EPA Region 5 Records Ctr.
350178

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

TRANSMITTAL FORM

Date: *February 10, 2010*

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

312.201.7491

Project Name: *Plainwell Mill*

SDG: *PM011810*

Work Order (s): *1001254, 1001286*

WE ARE SENDING YOU:

By: ☐ US Mail ☒ FedEx ☐ Courier ☐ Other

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

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

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

THESE ARE TRANSMITTED AS CHECKED BELOW:

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

REMARKS:

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

BY: *Lisa Harvey*
Project Chemist

TRIMATRIX LABORATORIES

DATA VALIDATION PACKAGE

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

Project:
Plainwell Mill

Sample Delivery Group (SDG):
PM011810

Date:
February 10, 2010

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

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

TRIMATRIX LABORATORIES

TABLE OF CONTENTS

SulTRAC
Plainwell Mill

Section	Description	Pages
	Cover Page	**0001**
	Table of Contents	**0002**
	SDG Case Narrative	**0003-0011**
A	**Field COC Records and Receiving Documentation**	**0012-0018**
B	**Internal COC Records**	**0019-0062**
C	**Inorganic - Metals** • USEPA-6010B • USEPA-6020A	**0063-1107** 0064-0364 0365-1107
D	**Inorganic - Metals** • USEPA-7471A	**1108-1165** 1109-1165
E	**Inorganic - Wet Chemistry** • USEPA-3550B • USEPA-9014	**1166-1277** 1167-1212 1213-1277

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

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

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

SulTRAC
Plainwell Mill

SDG Executive Summary

This case narrative applies to samples received on January 19, 2010 through January 21, 2010. All samples were scheduled for analysis in accordance with parameters outlined on the field chain of custody record, the TriMatrix bid form, and/or oral and written correspondence between SulTRAC and TriMatrix Laboratories, Inc..

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

Project Technical Issues/Problems

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

QA/QC Data Qualifications/Narrations

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

Data Review and Approval

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

Data Deliverables

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

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

Lisa M. Harvey, Project Chemist

2-10-2010
Date

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

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1001254

TriMatrix Laboratories received the cooler(s) for this work order on January 19, 2010, at 17:50pm. 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-VAS-56394-DR-011810-1018	1001254-01	Water	1/18/2010
S-VAS-56394-DR-011810-1018	1001254-02	Water	1/18/2010
S-SO-56394-CB-011810-062	1001254-03	Soil	1/18/2010
S-SO-56394-CB-011810-072	1001254-04	Soil	1/18/2010
S-SO-56394-CB-011810-057	1001254-05	Soil	1/18/2010
S-SO-56394-DR-011910-1024	1001254-06	Soil	1/19/2010
S-SO-56394-CB-011910-077	1001254-07	Soil	1/19/2010
SD-SO-56394-CB-011910-077	1001254-08	Soil	1/19/2010
S-SO-56394-CB-011910-081	1001254-09	Soil	1/19/2010
S-SO-56394-CB-011910-086	1001254-10	Soil	1/19/2010

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

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

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

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1001286

TriMatrix Laboratories received the cooler(s) for this work order on January 21, 2010, at 17:55pm. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and Client Drop-Off shipping document(s). The condition of the custody seals, the type and location of the coolant, and the temperatures recorded for each cooler are presented on the TriMatrix *Sample Receiving / Log-In Checklist* provided in section A of this package. The receipt temperature of the samples was determined by using an infrared thermometer to record the temperature of three random samples of varying container types and the accompanying temperature blank, if present.

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

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
S-SO-56394-CB-011910-090	1001286-01	Soil	1/19/2010
S-SO-56394-CB-012010-094	1001286-02	Soil	1/20/2010
S-SO-56394-CB-012010-099	1001286-03	Soil	1/20/2010
S-SO-56394-DR-012010-1031	1001286-04	Soil	1/20/2010
S-SO-56394-DR-012010-1035	1001286-05	Soil	1/20/2010
S-SO-56394-DR-012010-1038	1001286-06	Soil	1/20/2010
S-SO-56394-DR-012110-1045	1001286-07	Soil	1/21/2010
S-SO-56394-DR-012110-1049	1001286-08	Soil	1/21/2010
SD-SO-56394-DR-012110-1049	1001286-09	Soil	1/21/2010
S-SO-56394-DR-012110-1050	1001286-10	Soil	1/21/2010
S-SO-56394-CB-012010-105	1001286-11	Soil	1/20/2010
S-SO-56394-CB-012110-107	1001286-12	Soil	1/21/2010
S-SO-56394-CB-012110-109	1001286-13	Soil	1/21/2010
S-SO-56394-CB-012110-114	1001286-14	Soil	1/21/2010
S-SO-56394-CB-012110-116	1001286-15	Soil	1/21/2010
S-SO-56394-CB-012110-118	1001286-16	Soil	1/21/2010

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

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

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

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative

Sample Result Reporting Convention

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

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

Data Qualifier Designation

If applicable, sample results are qualified with:

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

QC Batch and Analytical Batch Designation

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

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

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

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

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Dissolved Metals by EPA 6000/7000 Series Methods

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

Analysis: USEPA-6020A

Sample/Analyte: 1001254-02 S-VAS-56394-DR-011810-1018 Zinc

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

Analysis: USEPA-6010B

Sample/Analyte: 1001254-02 S-VAS-56394-DR-011810-1018

Analysis: USEPA-6020A

Sample/Analyte: 1001254-02 S-VAS-56394-DR-011810-1018

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

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

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Total Metals by EPA 6000/7000 Series Methods

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

Analysis: USEPA-6020A

Sample/Analyte:		
	1001286-01 S-SO-56394-CB-011910-090	Copper
	1001286-02 S-SO-56394-CB-012010-094	Copper
	1001286-03 S-SO-56394-CB-012010-099	Copper
	1001286-04 S-SO-56394-DR-012010-1031	Copper
	1001286-05 S-SO-56394-DR-012010-1035	Copper
	1001286-06 S-SO-56394-DR-012010-1038	Copper
	1001286-07 S-SO-56394-DR-012110-1045	Copper
	1001286-08 S-SO-56394-DR-012110-1049	Copper
	1001286-09 SD-SO-56394-DR-012110-1049	Copper
	1001286-10 S-SO-56394-DR-012110-1050	Copper
	1001286-11 S-SO-56394-CB-012010-105	Copper
	1001286-12 S-SO-56394-CB-012110-107	Copper
	1001286-13 S-SO-56394-CB-012110-109	Copper
	1001286-14 S-SO-56394-CB-012110-114	Copper
	1001286-15 S-SO-56394-CB-012110-116	Copper
	1001286-16 S-SO-56394-CB-012110-118	Copper

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

Analysis: USEPA-6010B

Sample/Analyte:		
	1001254-03 S-SO-56394-CB-011810-062	Iron
	1001254-04 S-SO-56394-CB-011810-072	Iron
	1001254-05 S-SO-56394-CB-011810-057	Iron
	1001254-06 S-SO-56394-DR-011910-1024	Iron
	1001254-07 S-SO-56394-CB-011910-077	Iron
	1001254-08 SD-SO-56394-CB-011910-077	Iron
	1001254-09 S-SO-56394-CB-011910-081	Iron
	1001254-10 S-SO-56394-CB-011910-086	Iron
	1001286-01 S-SO-56394-CB-011910-090	Iron
	1001286-02 S-SO-56394-CB-012010-094	Iron

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

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Total Metals by EPA 6000/7000 Series Methods

Sample/Analyte:	1001286-03 S-SO-56394-CB-012010-099	Iron
	1001286-04 S-SO-56394-DR-012010-1031	Iron
	1001286-05 S-SO-56394-DR-012010-1035	Iron
	1001286-06 S-SO-56394-DR-012010-1038	Iron
	1001286-07 S-SO-56394-DR-012110-1045	Iron
	1001286-08 S-SO-56394-DR-012110-1049	Iron
	1001286-09 SD-SO-56394-DR-012110-1049	Iron
	1001286-10 S-SO-56394-DR-012110-1050	Iron
	1001286-11 S-SO-56394-CB-012010-105	Iron
	1001286-12 S-SO-56394-CB-012110-107	Iron
	1001286-13 S-SO-56394-CB-012110-109	Iron
	1001286-14 S-SO-56394-CB-012110-114	Iron
	1001286-15 S-SO-56394-CB-012110-116	Iron
	1001286-16 S-SO-56394-CB-012110-118	Iron
Analysis:	USEPA-6020A	
Sample/Analyte:	1001254-03 S-SO-56394-CB-011810-062	Chromium
	1001254-03 S-SO-56394-CB-011810-062	Vanadium
	1001254-04 S-SO-56394-CB-011810-072	Chromium
	1001254-04 S-SO-56394-CB-011810-072	Vanadium
	1001254-05 S-SO-56394-CB-011810-057	Chromium
	1001254-05 S-SO-56394-CB-011810-057	Vanadium
	1001254-06 S-SO-56394-DR-011910-1024	Chromium
	1001254-06 S-SO-56394-DR-011910-1024	Vanadium
	1001254-07 S-SO-56394-CB-011910-077	Chromium
	1001254-07 S-SO-56394-CB-011910-077	Vanadium
	1001254-08 SD-SO-56394-CB-011910-077	Chromium
	1001254-08 SD-SO-56394-CB-011910-077	Vanadium
	1001254-09 S-SO-56394-CB-011910-081	Chromium
	1001254-09 S-SO-56394-CB-011910-081	Vanadium
	1001254-10 S-SO-56394-CB-011910-086	Chromium
	1001254-10 S-SO-56394-CB-011910-086	Vanadium
	1001286-01 S-SO-56394-CB-011910-090	Chromium
	1001286-02 S-SO-56394-CB-012010-094	Chromium
	1001286-03 S-SO-56394-CB-012010-099	Chromium
	1001286-04 S-SO-56394-DR-012010-1031	Chromium

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

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Total Metals by EPA 6000/7000 Series Methods

Sample/Analyte:	1001286-05 S-SO-56394-DR-012010-1035	Chromium
	1001286-06 S-SO-56394-DR-012010-1038	Chromium
	1001286-07 S-SO-56394-DR-012110-1045	Chromium
	1001286-08 S-SO-56394-DR-012110-1049	Chromium
	1001286-09 SD-SO-56394-DR-012110-1049	Chromium
	1001286-10 S-SO-56394-DR-012110-1050	Chromium
	1001286-11 S-SO-56394-CB-012010-105	Chromium
	1001286-12 S-SO-56394-CB-012110-107	Chromium
	1001286-13 S-SO-56394-CB-012110-109	Chromium
	1001286-14 S-SO-56394-CB-012110-114	Chromium
	1001286-15 S-SO-56394-CB-012110-116	Chromium
	1001286-16 S-SO-56394-CB-012110-118	Chromium

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

Analysis: USEPA-6010B

Sample/Analyte: 1001254-09 S-SO-56394-CB-011910-081 Aluminum

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:	1001254-09 S-SO-56394-CB-011910-081	Thallium
	1001286-07 S-SO-56394-DR-012110-1045	Zinc

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

Analysis: USEPA-6010B

Sample/Analyte: 1001286-07 S-SO-56394-DR-012110-1045 Iron

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

Analysis: USEPA-6010B

Sample/Analyte: 1001254-09 S-SO-56394-CB-011910-081 Aluminum

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

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Total Metals by EPA 6000/7000 Series Methods

Sample/Analyte:	1001254-09 S-SO-56394-CB-011910-081	Iron
	1001286-07 S-SO-56394-DR-012110-1045	Iron
	1001286-07 S-SO-56394-DR-012110-1045	Manganese

Qualification: The MS or MSD recovery, but not both, was outside the control limit. The RPD is within the control limit. The unspiked sample result is not qualified.

Analysis: USEPA-6020A

Sample/Analyte:	1001286-07 S-SO-56394-DR-012110-1045	Zinc

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

Analysis: USEPA-6010B

Sample/Analyte:	1001286-07 S-SO-56394-DR-012110-1045	Aluminum
	1001286-07 S-SO-56394-DR-012110-1045	Magnesium

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

SECTION - A

FIELD COC RECORDS AND RECEIVING DOCUMENTATION

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

TriMatrix Laboratories, Inc.

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

Chain of Custody Record

COC No. 06255

For Lab Use Only
Cart: 6
VOA Rack/Tray: –
Receipt Log No.: 19-17
Project Chemist: Lisa Harvey
Work Order No.: 1001254

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*	
Container Type (corresponds to Container Packing List)										
Number of Containers Submitted	17	17	17	17		5	6	2	15	

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

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	Total	Sample Comments
I	WP	01	1	S-VAS-56394-DR-011810-1018	TR 1709	01-18-10	0955	GRAB	W	1	
N		02	2	S-VAS-56394-DR-011810-1018		01-18-10	0955	GRAB	W	1	FILTERED IN FIELD
~~Q~~ A		03	3	S-SO-56394-CB-011810-062		01-18-10	1345	Comp	S	1	
		04	4	S-SO-56394-CB-011810-072		01-18-10	1615	Comp	S	1	
		05	5	S-SO-56394-CB-011810-057		01-18-10	1125	Comp	S	1	
		06	6	S-SO-56394-DR-011910-1024		01-19-10	1130	Comp	S	1	
		07	7	S-SO-56394-CB-011910-077		01-19-10	0950	Comp	S	1	
		~~08~~	8	SD-SO-56394-CB-011910-077		01-19-10	0950	Comp	S	1	
		09 ~~08~~	9	S-SO-56394-CB-011910-081		01-19-10	1250	Comp	S	1	
		10 ~~09~~	10	S-SO-56394-CB-011910-086		01-19-10	1520	Comp	S	1	

Sampled By (print): ROBERT KONDRACK
Sampler's Signature:
Company: SULTRAC

How Shipped?
Tracking No.

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

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
	1-19-10	1750						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						Kim Ziegler	1-19-10	1750

DROP

TriMatrix Laboratories, Inc.

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

Chain of Custody Record

COC No. 06266

PMD11810

For Lab Use Only
Cart: 6
VOA Rack/Tray: –
Receipt Log No.: 23-8
Project Chemist: Lisa Harvey
Work Order No.: 1001286

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

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

Analyses Requested

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	A Total Metals* (soil)	A Total CN, %S (soil)	A SPLP-Metals* (soil)	A SPLP-Cyanide (Soil)		E Total CN (wtr)	B Total Metals* (wtr)	A LLHg (wtr)			Total	Sample Comments
				Container Type (corresponds to Container Packing List)						17	17	17	17		5	6	2				
				Number of Containers Submitted																	
A	SO	01	1	S-SO-56394-CB-011910-090	TTE 1265	1-19-10	1610	Comp	S	x	x									1	
|		02	2	S-SO-56394-CB-012010-094	|	1-20-10	1050	Comp	S	x	x									1	
|		03	3	S-SO-56394-CB-012010-099	|	1-20-10	1350	Comp	S	x	x									1	
|		04	4	S-SO-56394-DR-012010-1031	|	1-20-10	0845	Comp	S	x	x									1	
|		05	5	S-SO-56394-DR-012010-1035	|	1-20-10	1210	Comp	S	x	x									1	
|		06	6	S-SO-56394-DR-012010-1038	|	1-20-10	1400	Comp	S	x	x									1	
B		07	7	S-SO-56394-DR-012110-1045	|	1-21-10	0855	Comp	S	x	x									2	MS/MSD
A		08	8	S-SO-56394-DR-012110-1049	|	1-21-10	1120	Comp	S	x	x									1	
|		09	9	SD-SO-56394-DR-012110-1049	|	1-21-10	1125	Comp	S	x	x									1	
|		10	10	S-SO-56394-DR-012110-1050	↓	1-21-10	1340	Comp	S	x	x									1	

Sampled By (print): Rogers Koudsen
Sampler's Signature:
Company:

How Shipped? Hand Delivered
Tracking No.

1. Relinquished By: Date 1-21-10 Time 1755
1. Received By: Date Time

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

3. Relinquished By: Date Time
3. Received For Lab By: D. Nardin Date 1-21-10 Time 17:55

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.

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

20011

TriMatrix Laboratories, Inc.

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

Chain of Custody Record

COC No. 06267

For Lab Use Only
Cart: 6
VOA Rack/Tray:
Receipt Log No.: 23-8
Project Chemist: Lisa Harvey
Work Order No.: 1001286

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

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

Analyses Requested

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	A Total Metals* (soil)	A Total CN, %S (soil)	A SPLP-Metals* (soil)	A SPLP-Cyanide (Soil)		E Total CN (wtr)	B Total Metals* (wtr)	A LLHg (wtr)			Total	Sample Comments
				Container Type (corresponds to Container Packing List)						17	17	17	17		5	6	2				
				Number of Containers Submitted																	
A	SO ~~WP~~	11	1	S-SO-56394-CB-012010-105	TM 1265	1-20-10	1630	Comp	S	X	X									1	
		12	2	S-SO-56394-CB-012(21)10-107		1-21-10	0900	Comp	S	X	X									1	
		13	3	S-SO-56394-CB-012(21)10-109		1-21-10	1000	Comp	S	X	X									1	
		14	4	S-SO-56394-CB-012110-114		1-21-10	1120	Comp	S	X	X									1	
		15	5	S-SO-56394-CB-012110-116		1-21-10	1310	Comp	S	X	X									1	
		16	6	S-SO-56394-CB-012110-118		1-21-10	1410	Comp	S	X	X									1	
			7																		
			8																		
			9																		
			10																		

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

Sampled By (print): Robert Hondrek
Sampler's Signature:
Company:

How Shipped? Hand Delivered
Tracking No.:

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

	Relinquished By	Date	Time	Received By	Date	Time
1.		1-21-10	1755			
2.						
3.				D. Hardin	1-21-10	17:55

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: SUBTRAC | Project-Submittal No.: New / Add To 1001254
Receipt Record Page/Line No.: 19-17 | Project Chemist | Sample Nos.

Coolers Received

Recorded by (initials/date): DN 1-19-10

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

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

Cooler No. / Time	Cooler No. / Time	Cooler No. / Time	Cooler No. / Time
IR170918:00			
Custody Seals:	**Custody Seals:**	**Custody Seals:**	**Custody Seals:**
☑ None	☐ None	☐ None	☐ None
☐ Present / Intact	☐ Present / Intact	☐ Present / Intact	☐ Present / Intact
☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact
Coolant Location:	**Coolant Location:**	**Coolant Location:**	**Coolant Location:**
Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via:	**Coolant/Temperature Taken Via:**	**Coolant/Temperature Taken Via:**	**Coolant/Temperature Taken Via:**
☑ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers
☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers
☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers
☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers
Alternate Temperature Taken Via:	**Alternate Temperature Taken Via:**	**Alternate Temperature Taken Via:**	**Alternate Temperature Taken Via:**
☑ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)
☐ 1 Container	☐ 1 Container	☐ 1 Container	☐ 1 Container

Recorded °C	Correction Factor °C	Actual °C
Temp Blank: 0		3.2
TB location: Representative / Not Representative		
1 6.1	0	6.1
2 4.2	0	4.2
3 5.8	0	5.8
Average °C		5.4

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

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

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

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

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

Paperwork Received

☐ No COC Received

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

COC ID Nos. 06255

☑ TriMatrix

☐ Other (Name or ID#)____

Check COC for Accuracy

☐ No analysis requested

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

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

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

Check Sample Preservation

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

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

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

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

Notes

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

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 1-19-10	DN 1-19-10	Yes / No

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: SUBTRAC | Project-Submittal No. New / Add To: 1001286
Receipt Record Page/Line No.: 23-8 | Project Chemist: CMA | Sample Nos.: 01-16

Coolers Received

Recorded by (initials/date): DN 1-21-10

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

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#____)

☐ See Additional Cooler Information Form

Cooler No.	Time
IR 12.5	1830

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

Coolant Location: SWOW
Dispersed / Top / Middle / Bottom

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

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

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:	2	0	2.3

TB location: Representative / Not Representative

1	4.5	0	4.5
2	4.1	0	4.1
3	5.4	0	5.4
		Average °C	4.7

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

Cooler No.	Time

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

Coolant Location:
Dispersed / Top / Middle / Bottom

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

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

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			

TB location: Representative / Not Representative

1			
2			
3			
		Average °C	

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

Cooler No.	Time

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

Coolant Location:
Dispersed / Top / Middle / Bottom

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

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

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			

TB location: Representative / Not Representative

1			
2			
3			
		Average °C	

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

Cooler No.	Time

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

Coolant Location:
Dispersed / Top / Middle / Bottom

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

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

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			

TB location: Representative / Not Representative

1			
2			
3			
		Average °C	

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

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

Paperwork Received

☐ No COC Received

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

COC ID Nos.

☑ TriMatrix 06266, 06267

☐ Other (Name or ID#) ____

Check COC for Accuracy

☐ No analysis requested

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

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

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

Check Sample Preservation

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

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

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

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

Notes

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

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 1-21-10	DN 1-21-10	Yes / No

TriMatrix Laboratories, Inc.

SAMPLE PRESERVATION VERIFICATION FORM

page ___ of ___

Client		Project-Submittal No.
Sutter		1001254
Receipt Log No.	Completed By (initials/date)	Project Chemist
19-17	DN	LMH

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

Comments

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

Comments

pH strip lot No.

☐ **HC932216**

☐ _____

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

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

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-19-10 17:50**

Department: **Inorganic - Wet Chemistry**

Analysis: Solids, Total 3550B(%)

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-03 S-SO-56394-CB-011810-062	A	Melissa Blattner	1-27-10 8:30am	1-27-10 10am	No	
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086	A	Melissa Blattner	1-27-10 8:30am	1-27-10 10am	No	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

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*
1001254-03 S-SO-56394-CB-011810-062	A	Lucy M Harvey	01/21/10 7:00am	01/21/10 8:45am	NO	A01
1001254-04 S-SO-56394-CB-011810-072	A					A01
1001254-05 S-SO-56394-CB-011810-057	A					A01
1001254-06 S-SO-56394-DR-011910-1024	A	"	"	"	"	A01
1001254-07 S-SO-56394-CB-011910-077	A					A01
1001254-08 SD-SO-56394-CB-011910-077	A					A01
1001254-09 S-SO-56394-CB-011910-081	A					A01
1001254-10 S-SO-56394-CB-011910-086	A	Lucy M Harvey	01/21/10 7:00am	01/21/10 8:45am	NO	A01

6621

Internal Chain of Custody --- Work Order # **1001254**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

Department: **Inorganic - Wet Chemistry**

Analysis: Cyanide, Total 9014

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-03 S-SO-56394-CB-011810-062	A01	Lucy M Harvey	01/25/10 10:00am	01/25/10 1:50pm	NO	
1001254-04 S-SO-56394-CB-011810-072	A01					
1001254-05 S-SO-56394-CB-011810-057	A01					
1001254-06 S-SO-56394-DR-011910-1024	A01	"	"	"	"	
1001254-07 S-SO-56394-CB-011910-077	A01					
1001254-08 SD-SO-56394-CB-011910-077	A01					
1001254-09 S-SO-56394-CB-011910-081	A01					
1001254-10 S-SO-56394-CB-011910-086	A01	Lucy M Harvey	01/25/10 10:00am	01/25/10 1:50pm	NO	

00022

Internal Chain of Custody --- Work Order # **1001286**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Inorganic - Wet Chemistry**

Analysis: 9010B Cyanide Distillation

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-01 S-SO-56394-CB-011910-090	A	Lucy M Harvey	01/22/10 7:00am	01/22/10 9:00am	NO	A01
1001286-02 S-SO-56394-CB-012010-094	A					
1001286-03 S-SO-56394-CB-012010-099	A					
1001286-04 S-SO-56394-DR-012010-1031	A					
1001286-05 S-SO-56394-DR-012010-1035	A		"			"
1001286-06 S-SO-56394-DR-012010-1038	A			"	"	
1001286-07 S-SO-56394-DR-012110-1045	A	"				
1001286-08 S-SO-56394-DR-012110-1049	A					
1001286-09 SD-SO-56394-DR-012110-1049	A					
1001286-10 S-SO-56394-DR-012110-1050	A					
1001286-11 S-SO-56394-CB-012010-105	A					
1001286-12 S-SO-56394-CB-012110-107	A		01/22/10 7:00am	01/22/10 9:00am	NO	A01
1001286-13 S-SO-56394-CB-012110-109	A		01/25/10 7:00am	01/25/10 8:00am	NO	A03
1001286-14 S-SO-56394-CB-012110-114	A	Lucy M Harvey	01/25/10 7:00am	01/25/10 8:00am	NO	A03

00023

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-15 S-SO-56394-CB-012110-116	A	Lucy M Harvey	01/25/10 7:00am	01/25/10 8:00am	NO	A03
1001286-16 S-SO-56394-CB-012110-118	A	Lucy M Harvey	01/25/10 7:00am	01/25/10 8:00am	NO	A03

Internal Chain of Custody --- Work Order # **1001286**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Inorganic - Wet Chemistry**

Analysis: Cyanide, Total 9014

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-01 S-SO-56394-CB-011910-090	A01	Lucy M Harvey	01/25/10 10:00am	01/25/10 1:30pm	NO	
1001286-02 S-SO-56394-CB-012010-094	A01					
1001286-03 S-SO-56394-CB-012010-099	A01					
1001286-04 S-SO-56394-DR-012010-1031	A01					
1001286-05 S-SO-56394-DR-012010-1035	A01					
1001286-06 S-SO-56394-DR-012010-1038	A01	LMH				
1001286-07 S-SO-56394-DR-012110-1045	A01		LMH	LMH		
1001286-08 S-SO-56394-DR-012110-1049	A01				LMH	
1001286-09 SD-SO-56394-DR-012110-1049	A01					
1001286-10 S-SO-56394-DR-012110-1050	A01					
1001286-11 S-SO-56394-CB-012010-105	A01					
1001286-12 S-SO-56394-CB-012110-107	A01					
1001286-13 S-SO-56394-CB-012110-109	A03					
1001286-14 S-SO-56394-CB-012110-114	A03	Lucy M Harvey	01/25/10 10:00am	01/25/10 1:30pm	NO	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-15 S-SO-56394-CB-012110-116	A03	Lucy M Harvey	01/25/10 10:00am	01/25/10 1:30pm	NO	
1001286-16 S-SO-56394-CB-012110-118	A03	Lucy M Harvey	01/25/10 10:00am	01/25/10 1:30pm	NO	

S5525

Internal Chain of Custody --- Work Order # **1001286**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Inorganic - Wet Chemistry**

Analysis: Solids, Total 3550B %

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-01 S-SO-56394-CB-011910-090	A	Melissa Slattner	1-25-10 8:00am	1-25-10 9:30 am	NO	
1001286-02 S-SO-56394-CB-012010-094						
1001286-03 S-SO-56394-CB-012010-099						
1001286-04 S-SO-56394-DR-012010-1031						
1001286-05 S-SO-56394-DR-012010-1035						
1001286-06 S-SO-56394-DR-012010-1038						
1001286-07 S-SO-56394-DR-012110-1045						
1001286-08 S-SO-56394-DR-012110-1049						
1001286-09 SD-SO-56394-DR-012110-1049						
1001286-10 S-SO-56394-DR-012110-1050						
1001286-11 S-SO-56394-CB-012010-105						
1001286-12 S-SO-56394-CB-012110-107						
1001286-13 S-SO-56394-CB-012110-109						
1001286-14 S-SO-56394-CB-012110-114						

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-15 S-SO-56394-CB-012110-116	A	Melissa Flattery	1-25-10 8am	1-25-10 9:30am	NO	
1001286-16 S-SO-56394-CB-012110-118	A	Melissa Flattery	1-25-10 8am	1-25-10 9:30am	No	

00028

Internal Chain of Custody --- Work Order # **1001254**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

Department: **Metals**

Analysis: 3010A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018	A	Ina Acod	01-22-10 7^00 AM	01-22-10 4^00 PM	NO	A01
1001254-02 S-VAS-56394-DR-011810-1018						
1001254-03 S-SO-56394-CB-011810-062						
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086						

00029

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018	A01	Kari Visser	1-22-10 4:00pm	1-26-10 3:10pm	no	
1001254-02 S-VAS-56394-DR-011810-1018						
1001254-03 S-SO-56394-CB-011810-062						
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086						

000039

Internal Chain of Custody --- Work Order # **1001254**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

Department: **Metals**

Analysis: 3010 Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018						
1001254-02 S-VAS-56394-DR-011810-1018	A	Ma Scott	01-22-10 7°° AM	01-22-10 4°° PM	yes	A01
1001254-03 S-SO-56394-CB-011810-062						
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086						

00031

Internal Chain of Custody --- Work Order # **1001254**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

Department: **Metals**

Analysis: ICP 6010B Dissolved

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018						
1001254-02 S-VAS-56394-DR-011810-1018	A01	Ken Ussery	1-22-10 4:00pm	1-26-10 3:10pm	no	
1001254-03 S-SO-56394-CB-011810-062						
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086						

00032

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018						
1001254-02 S-VAS-56394-DR-011810-1018						
1001254-03 S-SO-56394-CB-011810-062	A	Ma Scott	01-22-10 7:00 AM	01-22-10 4:00 PM	No	A02
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086	A	Ma Scott	01-22-10 7:00 AM	01-22-10 4:00 PM	No	A02

00033

Internal Chain of Custody --- Work Order # **1001254**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

Department: **Metals**

Analysis: ICP 6010B

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018						
1001254-02 S-VAS-56394-DR-011810-1018						
1001254-03 S-SO-56394-CB-011810-062	A02	Joanne Jay	1/22/10 4:00pm	1/27/10 2:40pm	No	
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086	A02	Joanne Jay	1/22/10 4:00pm	1/27/10 2:40pm	No	

000034

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

Department: **Metals**

Analysis: 3020A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018	A	Ma Scott	01-22-10 7^00 AM	01-22-10 4^00 PM	NO	A02
1001254-02 S-VAS-56394-DR-011810-1018						
1001254-03 S-SO-56394-CB-011810-062						
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086						

00035

Internal Chain of Custody --- Work Order # **1001254**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

Department: **Metals**

Analysis: 3020A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018						
1001254-02 S-VAS-56394-DR-011810-1018	A	DNA Scott	01-22-10 7am	01-22-10 4pm	ND	A02
1001254-03 S-SO-56394-CB-011810-062						
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086						

Internal Chain of Custody --- Work Order # **1001254**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

Department: **Metals**

Analysis: ICPMS 6020A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018	A03	[signature]	1-28-10 4:00 pm	1-29-10 8:05 AM	NO	
1001254-02 S-VAS-56394-DR-011810-1018						
1001254-03 S-SO-56394-CB-011810-062						
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086						

00037

Internal Chain of Custody --- Work Order # **1001254**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

Department: **Metals**

Analysis: ICPMS 6020A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018						
1001254-02 S-VAS-56394-DR-011810-1018	A02	Denise Coffey	1-22-10 4:00 PM	1-27-10 1:10 PM	NO	
1001254-03 S-SO-56394-CB-011810-062						
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086						

00038

Internal Chain of Custody --- Work Order # **1001254**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

Department: **Metals**

Analysis: 3050B Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018						
1001254-02 S-VAS-56394-DR-011810-1018						
1001254-03 S-SO-56394-CB-011810-062	A	ma Scott	01-22-10 7⁰⁰ AM	01-22-10 4⁰⁰ PM	NO	A03
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086	A	ma Scott	01-22-10 7⁰⁰ AM	01-22-10 4⁰⁰ PM	NO	A03

00039

Internal Chain of Custody --- Work Order # **1001254**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

Department: **Metals**

Analysis: ICPMS 6020A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018						
1001254-02 S-VAS-56394-DR-011810-1018						
1001254-03 S-SO-56394-CB-011810-062	A03		1/22/10 4:00pm	1/26/10 11:00am	No	
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086	A03		1/22/10 4:00pm	1/26/10 11:00am	No	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018						
1001254-02 S-VAS-56394-DR-011810-1018						
1001254-03 S-SO-56394-CB-011810-062	A		1-22-10 9:30Am	1-22-10 11:30Am	no	A04
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077	RDB	RDB	RDB	RDB		
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086	A		1-22-10 9:30Am	1-22-10 11:30Am	no	A04

1001254

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

Department: **Metals**

Analysis: ICPMS 6020A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018						
1001254-02 S-VAS-56394-DR-011810-1018						
1001254-03 S-SO-56394-CB-011810-062	A04		1/22/10 11:30am	1/29/10 1:00pm	No	
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086	A04		1/22/10 11:30am	1/29/10 1:00pm	No	

2h999

Internal Chain of Custody --- Work Order # **1001254**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

Department: **Metals**

Analysis: 3020A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018	A	MA Scott	01-28-10 7am	01-28-10 4pm	NO	A03
1001254-02 S-VAS-56394-DR-011810-1018						
1001254-03 S-SO-56394-CB-011810-062						
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086						

Ch000

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

Department: **Metals** Analysis: ICP MS 6020A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018	A02	Denise Coffey	1-22-10 4:00 PM	1-27-10 DR ~~FELD~~ 1:10 PM	NO	
1001254-02 S-VAS-56394-DR-011810-1018						
1001254-03 S-SO-56394-CB-011810-062						
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086						

tr0009

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018						
1001254-02 S-VAS-56394-DR-011810-1018						
1001254-03 S-SO-56394-CB-011810-062	A	Ma Scott	01-25-10 2°°Pm	01-25-10 2³⁰Pm	No	AOS
1001254-04 S-SO-56394-CB-011810-072						
1001254-05 S-SO-56394-CB-011810-057						
1001254-06 S-SO-56394-DR-011910-1024						
1001254-07 S-SO-56394-CB-011910-077						
1001254-08 SD-SO-56394-CB-011910-077						
1001254-09 S-SO-56394-CB-011910-081						
1001254-10 S-SO-56394-CB-011910-086	A	Ma Scott	01-25-10 2°°Pm	01-25-10 2³⁰Pm	No	AOS

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-19-10 17:50**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001254-01 S-VAS-56394-DR-011810-1018						
1001254-02 S-VAS-56394-DR-011810-1018						
1001254-03 S-SO-56394-CB-011810-062	AOS	Joanne Jolf	1/25/10 2:30pm	1/26/10 3:45pm	YES	
1001254-04 S-SO-56394-CB-011810-072	"	"	"	"	"	
1001254-05 S-SO-56394-CB-011810-057	"	"	"	"	"	
1001254-06 S-SO-56394-DR-011910-1024	"	"	"	"	"	
1001254-07 S-SO-56394-CB-011910-077	"	"	"	"	"	
1001254-08 SD-SO-56394-CB-011910-077	"	"	"	"	"	
1001254-09 S-SO-56394-CB-011910-081	"	"	"	"	"	
1001254-10 S-SO-56394-CB-011910-086	AOS	Joanne Jolf	1/25/10 2:30pm	1/26/10 3:45pm	YES	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: 3050 B Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-01 S-SO-56394-CB-011910-090	A	Ina Scott	01-25-10 7:00 am	01-25-10 4:00 pm	NO	A02
1001286-02 S-SO-56394-CB-012010-094						
1001286-03 S-SO-56394-CB-012010-099						
1001286-04 S-SO-56394-DR-012010-1031						
1001286-05 S-SO-56394-DR-012010-1035						
1001286-06 S-SO-56394-DR-012010-1038						
1001286-07 S-SO-56394-DR-012110-1045	"	"	"	"	"	"
1001286-08 S-SO-56394-DR-012110-1049						
1001286-09 SD-SO-56394-DR-012110-1049						
1001286-10 S-SO-56394-DR-012110-1050						
1001286-11 S-SO-56394-CB-012010-105						
1001286-12 S-SO-56394-CB-012110-107						A02
1001286-13 S-SO-56394-CB-012110-109						A01
1001286-14 S-SO-56394-CB-012110-114	A	Ina Scott	01-25-10 7:00 Am	01-25-10 4:00 PM	NO	A01

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-15 S-SO-56394-CB-012110-116	A	Ma Scott	01-25-10 7:00 AM	01-25-10 4:00 PM	No	A01
1001286-16 S-SO-56394-CB-012110-118	A	Ma Scott	01-25-10 7:00 AM	01-25-10 4:00 PM	No	A01

00048

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-01 S-SO-56394-CB-011910-090	A02	Joanne Jay	1/25/10 4:00pm	1/29/10 12:25pm	NO	
1001286-02 S-SO-56394-CB-012010-094						
1001286-03 S-SO-56394-CB-012010-099						
1001286-04 S-SO-56394-DR-012010-1031						
1001286-05 S-SO-56394-DR-012010-1035						
1001286-06 S-SO-56394-DR-012010-1038						
1001286-07 S-SO-56394-DR-012110-1045						
1001286-08 S-SO-56394-DR-012110-1049						
1001286-09 SD-SO-56394-DR-012110-1049						
1001286-10 S-SO-56394-DR-012110-1050						
1001286-11 S-SO-56394-CB-012010-105						
1001286-12 S-SO-56394-CB-012110-107	A02					
1001286-13 S-SO-56394-CB-012110-109	A01					
1001286-14 S-SO-56394-CB-012110-114	A01	Joanne Jay	1/25/10 4:00pm	1/29/10 12:25pm	NO	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-15 S-SO-56394-CB-012110-116	A01	Joanne Joy	1/25/10 4:00pm	1/29/10 12:25pm	NO	
1001286-16 S-SO-56394-CB-012110-118	A01	Joanne Joy	1/25/10 4:00pm	1/29/10 12:25pm	NO	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: 3050B Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-01 S-SO-56394-CB-011910-090	A	Nia Scott	01-25-10 7°° AM	01-25-10 4°° Pm	No	A03
1001286-02 S-SO-56394-CB-012010-094						
1001286-03 S-SO-56394-CB-012010-099						
1001286-04 S-SO-56394-DR-012010-1031						
1001286-05 S-SO-56394-DR-012010-1035						
1001286-06 S-SO-56394-DR-012010-1038	S	S	S	C	C	S
1001286-07 S-SO-56394-DR-012110-1045						
1001286-08 S-SO-56394-DR-012110-1049						
1001286-09 SD-SO-56394-DR-012110-1049						
1001286-10 S-SO-56394-DR-012110-1050						
1001286-11 S-SO-56394-CB-012010-105						
1001286-12 S-SO-56394-CB-012110-107						A03
1001286-13 S-SO-56394-CB-012110-109						A02
1001286-14 S-SO-56394-CB-012110-114	A	Nia Scott	01-25-10 7°° pm	01-25-10 4°° pm	No	A02

0005

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-15 S-SO-56394-CB-012110-116	A	Mia Scott	01-25-10 7°° AM	01-25-10 4°° PM	No	A02
1001286-16 S-SO-56394-CB-012110-118	A	Mia Scott	01-25-10 7°° AM	01-25-10 4°° PM	No	A02

00052

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-01 S-SO-56394-CB-011910-090	A03	Denise Coffey	1-25-10 4:00 PM	1-28-10 12:05 PM	NO	
1001286-02 S-SO-56394-CB-012010-094						
1001286-03 S-SO-56394-CB-012010-099						
1001286-04 S-SO-56394-DR-012010-1031						
1001286-05 S-SO-56394-DR-012010-1035						
1001286-06 S-SO-56394-DR-012010-1038						
1001286-07 S-SO-56394-DR-012110-1045	"					
1001286-08 S-SO-56394-DR-012110-1049		"	"	"		
1001286-09 SD-SO-56394-DR-012110-1049					"	
1001286-10 S-SO-56394-DR-012110-1050						
1001286-11 S-SO-56394-CB-012010-105						
1001286-12 S-SO-56394-CB-012110-107	A03					
1001286-13 S-SO-56394-CB-012110-109	A03	"				
1001286-14 S-SO-56394-CB-012110-114	A03	Denise Coffey	1-25-10 4:00 PM	1-28-10 12:05 PM	NO	

CS0053

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-15 S-SO-56394-CB-012110-116	A03		1-25-10 4:00 PM	1-28-10 12:45 PM	NO	
1001286-16 S-SO-56394-CB-012110-118	A03		1-25-10 4:00 PM	1-28-10 12:45 PM	NO	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: 3050B Digestion Sb

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-01 S-SO-56394-CB-011910-090	A		1-25-10 11:30Am	1-25-10 1:00pm	no	AOS
1001286-02 S-SO-56394-CB-012010-094						
1001286-03 S-SO-56394-CB-012010-099						
1001286-04 S-SO-56394-DR-012010-1031						
1001286-05 S-SO-56394-DR-012010-1035						
1001286-06 S-SO-56394-DR-012010-1038						
1001286-07 S-SO-56394-DR-012110-1045						
1001286-08 S-SO-56394-DR-012110-1049	RDB	RDB	RDB	RDB	RDB	RDB
1001286-09 SD-SO-56394-DR-012110-1049						
1001286-10 S-SO-56394-DR-012110-1050						
1001286-11 S-SO-56394-CB-012010-105						
1001286-12 S-SO-56394-CB-012110-107						
1001286-13 S-SO-56394-CB-012110-109						
1001286-14 S-SO-56394-CB-012110-114	A		1-25-10 11:30Am	1-25-10 1:00pm	no	AOS

00055

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-15 S-SO-56394-CB-012110-116	A		1-25-10 11:30Am	1-25-10 1:00pm	no	AOS
1001286-16 S-SO-56394-CB-012110-118	A		1-25-10 11:30Am	1-25-10 1:00pm	no	AOS

Internal Chain of Custody --- Work Order # **1001286**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: ICPMS 6020A Sb

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-01 S-SO-56394-CB-011910-090	A05	Melanie S Lyn	1/25/10 1:00pm	1/29/10 1:04pm	No	
1001286-02 S-SO-56394-CB-012010-094						
1001286-03 S-SO-56394-CB-012010-099						
1001286-04 S-SO-56394-DR-012010-1031						
1001286-05 S-SO-56394-DR-012010-1035						
1001286-06 S-SO-56394-DR-012010-1038						
1001286-07 S-SO-56394-DR-012110-1045						
1001286-08 S-SO-56394-DR-012110-1049						
1001286-09 SD-SO-56394-DR-012110-1049						
1001286-10 S-SO-56394-DR-012110-1050						
1001286-11 S-SO-56394-CB-012010-105						
1001286-12 S-SO-56394-CB-012110-107						
1001286-13 S-SO-56394-CB-012110-109						
1001286-14 S-SO-56394-CB-012110-114	A05	Melanie S Lyn	1/25/10 1:00pm	1/29/10 1:00pm	No	

00057

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-15 S-SO-56394-CB-012110-116	A05		1/25/10 1:00pm	1/29/10 1:00pm	No	
1001286-16 S-SO-56394-CB-012110-118	A05		1/25/10 1:00pm	1/29/10 1:00pm	No	

00058

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: ~~Hg~~ 7471A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-01 S-SO-56394-CB-011910-090	A	Ma Scott	01-25-10 2:00 pm	01-25-10 2:30 pm	NO	A04
1001286-02 S-SO-56394-CB-012010-094						
1001286-03 S-SO-56394-CB-012010-099						
1001286-04 S-SO-56394-DR-012010-1031						
1001286-05 S-SO-56394-DR-012010-1035						
1001286-06 S-SO-56394-DR-012010-1038						
1001286-07 S-SO-56394-DR-012110-1045	"	"	"	"	"	"
1001286-08 S-SO-56394-DR-012110-1049						
1001286-09 SD-SO-56394-DR-012110-1049						
1001286-10 S-SO-56394-DR-012110-1050						
1001286-11 S-SO-56394-CB-012010-105						
1001286-12 S-SO-56394-CB-012110-107						
1001286-13 S-SO-56394-CB-012110-109						
1001286-14 S-SO-56394-CB-012110-114	A	Ma Scott	01-25-10 2:00 pm	01-25-10 2:30 pm	NO	A04

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-15 S-SO-56394-CB-012110-116	A	Tina Scott	01-25-10 2:00 pm	01-25-10 2:30 pm	No	A04
1001286-16 S-SO-56394-CB-012110-118	A	Tina Scott	01-25-10 2:00 pm	01-25-10 2:30 pm	No	A04

Internal Chain of Custody --- Work Order # **1001286**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: Hg 7471A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-01 S-SO-56394-CB-011910-090	A04	Joanne Jay	1/26/10 2:30pm	1/26/10 3:45pm	Yes	
1001286-02 S-SO-56394-CB-012010-094						
1001286-03 S-SO-56394-CB-012010-099						
1001286-04 S-SO-56394-DR-012010-1031						
1001286-05 S-SO-56394-DR-012010-1035						
1001286-06 S-SO-56394-DR-012010-1038						
1001286-07 S-SO-56394-DR-012110-1045						
1001286-08 S-SO-56394-DR-012110-1049						
1001286-09 SD-SO-56394-DR-012110-1049						
1001286-10 S-SO-56394-DR-012110-1050						
1001286-11 S-SO-56394-CB-012010-105						
1001286-12 S-SO-56394-CB-012110-107						
1001286-13 S-SO-56394-CB-012110-109						
1001286-14 S-SO-56394-CB-012110-114	A04	Joanne Jay	1/26/10 2:30pm	1/26/10 3:45pm	Yes	

00051

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001286-15 S-SO-56394-CB-012110-116	A04	Joanne Joly	1/26/10 2:30pm	1/26/10 3:45pm	Yes	
1001286-16 S-SO-56394-CB-012110-118	A04	Joanne Joly	1/26/10 2:30pm	1/26/10 3:45pm	Yes	

29006

SECTION - C

INORGANIC - METALS

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

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011810

USEPA-6010B

SAMPLE ID SUMMARY

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-VAS-56394-DR-011810-1018	1001254-01
S-VAS-56394-DR-011810-1018	1001254-02
S-SO-56394-CB-011810-062	1001254-03
S-SO-56394-CB-011810-072	1001254-04
S-SO-56394-CB-011810-057	1001254-05
S-SO-56394-DR-011910-1024	1001254-06
S-SO-56394-CB-011910-077	1001254-07
SD-SO-56394-CB-011910-077	1001254-08
S-SO-56394-CB-011910-081	1001254-09
S-SO-56394-CB-011910-086	1001254-10
S-SO-56394-CB-011910-090	1001286-01
S-SO-56394-CB-012010-094	1001286-02
S-SO-56394-CB-012010-099	1001286-03
S-SO-56394-DR-012010-1031	1001286-04
S-SO-56394-DR-012010-1035	1001286-05
S-SO-56394-DR-012010-1038	1001286-06
S-SO-56394-DR-012110-1045	1001286-07
S-SO-56394-DR-012110-1049	1001286-08
SD-SO-56394-DR-012110-1049	1001286-09
S-SO-56394-DR-012110-1050	1001286-10
S-SO-56394-CB-012010-105	1001286-11
S-SO-56394-CB-012110-107	1001286-12
S-SO-56394-CB-012110-109	1001286-13
S-SO-56394-CB-012110-114	1001286-14
S-SO-56394-CB-012110-116	1001286-15
S-SO-56394-CB-012110-118	1001286-16

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-VAS-56394-DR-011810-1018

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/18/10 09:55
Solids: 0.00
Laboratory ID: 1001254-01

SDG: PM011810
Project: Plainwell Mill
Preparation: 3010A Digestion
Prepared: 01/22/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000570

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	620	ug/L	1	50	24		01/25/10 14:51
7440-39-3	Barium, Total	91	ug/L	1	10	1.8		01/25/10 14:51
7439-89-6	Iron, Total	5200	ug/L	1	20	8.0		01/25/10 14:51
7439-95-4	Magnesium, Total	25	mg/L	1	0.50	0.044		01/25/10 14:51
7439-96-5	Manganese, Total	270	ug/L	1	20	2.4		01/25/10 14:51
7440-02-0	Nickel, Total	10	ug/L	1	10	4.2	U	01/25/10 14:51
7440-23-5	Sodium, Total	52	mg/L	1	0.50	0.082		01/25/10 14:51

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-VAS-56394-DR-011810-1018

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/18/10 09:55
Solids: 0.00
Laboratory ID: 1001254-02

SDG: PM011810
Project: Plainwell Mill
Preparation: General Metals Prep
Prepared: 01/22/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000572

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Dissolved	50	ug/L	1	50	24	U	01/25/10 15:01
7440-39-3	Barium, Dissolved	77	ug/L	1	10	1.8		01/25/10 15:01
7439-89-6	Iron, Dissolved	99	ug/L	1	20	8.0		01/25/10 15:01
7439-95-4	Magnesium, Dissolved	22	mg/L	1	0.50	0.044		01/25/10 15:01
7439-96-5	Manganese, Dissolved	81	ug/L	1	20	2.4		01/25/10 15:01
7440-02-0	Nickel, Dissolved	10	ug/L	1	10	4.2	U	01/25/10 15:01
7440-23-5	Sodium, Dissolved	51	mg/L	1	0.50	0.082		01/25/10 15:01

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011810-062

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 13:45
Solids: 89.19
Laboratory ID: 1001254-03

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 07:00
Initial/Final: 0.5048 g / 50 mL
QC Batch: 1000576

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	7200	mg/kg dry wt.	1	10	1.8		01/27/10 10:28
7440-39-3	Barium, Total	51	mg/kg dry wt.	1	1.0	0.28		01/27/10 10:28
7439-89-6	Iron, Total	22000	mg/kg dry wt.	1	5.0	0.47		01/27/10 10:28
7439-95-4	Magnesium, Total	3400	mg/kg dry wt.	1	50	4.4		01/27/10 10:28
7439-96-5	Manganese, Total	900	mg/kg dry wt.	1	1.0	0.21		01/27/10 10:28
7440-02-0	Nickel, Total	10	mg/kg dry wt.	1	1.0	0.81		01/27/10 10:28
7440-23-5	Sodium, Total	31	mg/kg dry wt.	1	50	5.4	J	01/27/10 10:28

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011810-072

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 16:15
Solids: 83.11
Laboratory ID: 1001254-04

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 07:00
Initial/Final: 0.505 g / 50 mL
QC Batch: 1000576

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	6700	mg/kg dry wt.	1	10	1.8		01/27/10 10:33
7440-39-3	Barium, Total	240	mg/kg dry wt.	1	1.0	0.28		01/27/10 10:33
7439-89-6	Iron, Total	9000	mg/kg dry wt.	1	5.0	0.47		01/27/10 10:33
7439-95-4	Magnesium, Total	10000	mg/kg dry wt.	1	50	4.4		01/27/10 10:33
7439-96-5	Manganese, Total	220	mg/kg dry wt.	1	1.0	0.21		01/27/10 10:33
7440-02-0	Nickel, Total	11	mg/kg dry wt.	1	1.0	0.81		01/27/10 10:33
7440-23-5	Sodium, Total	90	mg/kg dry wt.	1	50	5.4		01/27/10 10:33

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011810-057

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 11:25
Solids: 91.56
Laboratory ID: 1001254-05

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 07:00
Initial/Final: 0.5065 g / 50 mL
QC Batch: 1000576

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	7700	mg/kg dry wt.	1	10	1.8		01/27/10 10:38
7440-39-3	Barium, Total	68	mg/kg dry wt.	1	1.0	0.28		01/27/10 10:38
7439-89-6	Iron, Total	24000	mg/kg dry wt.	1	5.0	0.47		01/27/10 10:38
7439-95-4	Magnesium, Total	6100	mg/kg dry wt.	1	50	4.4		01/27/10 10:38
7439-96-5	Manganese, Total	430	mg/kg dry wt.	1	1.0	0.21		01/27/10 10:38
7440-02-0	Nickel, Total	15	mg/kg dry wt.	1	1.0	0.81		01/27/10 10:38
7440-23-5	Sodium, Total	200	mg/kg dry wt.	1	50	5.4		01/27/10 10:38

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-011910-1024

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 11:30
Solids: 92.07
Laboratory ID: 1001254-06

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 07:00
Initial/Final: 0.521 g / 50 mL
QC Batch: 1000576

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	5000	mg/kg dry wt.	1	10	1.8		01/27/10 10:43
7440-39-3	Barium, Total	49	mg/kg dry wt.	1	1.0	0.28		01/27/10 10:43
7439-89-6	Iron, Total	8600	mg/kg dry wt.	1	5.0	0.47		01/27/10 10:43
7439-95-4	Magnesium, Total	1000	mg/kg dry wt.	1	50	4.4		01/27/10 10:43
7439-96-5	Manganese, Total	530	mg/kg dry wt.	1	1.0	0.21		01/27/10 10:43
7440-02-0	Nickel, Total	7.4	mg/kg dry wt.	1	1.0	0.81		01/27/10 10:43
7440-23-5	Sodium, Total	32	mg/kg dry wt.	1	50	5.4	J	01/27/10 10:43

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 41.10
Laboratory ID: 1001254-07

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 07:00
Initial/Final: 0.5421 g / 50 mL
QC Batch: 1000576

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	10000	mg/kg dry wt.	1	9.2	1.7		01/27/10 10:48
7440-39-3	Barium, Total	64	mg/kg dry wt.	1	0.92	0.26		01/27/10 10:48
7439-89-6	Iron, Total	640	mg/kg dry wt.	1	4.6	0.43		01/27/10 10:48
7439-95-4	Magnesium, Total	430	mg/kg dry wt.	1	46	4.1		01/27/10 10:48
7439-96-5	Manganese, Total	6.8	mg/kg dry wt.	1	0.92	0.20		01/27/10 10:48
7440-02-0	Nickel, Total	3.8	mg/kg dry wt.	1	0.92	0.74		01/27/10 10:48
7440-23-5	Sodium, Total	57	mg/kg dry wt.	1	46	5.0		01/27/10 10:48

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

SD-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 40.12
Laboratory ID: 1001254-08

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 07:00
Initial/Final: 0.5287 g / 50 mL
QC Batch: 1000576

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	11000	mg/kg dry wt.	1	10	1.8		01/27/10 10:52
7440-39-3	Barium, Total	74	mg/kg dry wt.	1	1.0	0.28		01/27/10 10:52
7439-89-6	Iron, Total	780	mg/kg dry wt.	1	5.0	0.47		01/27/10 10:52
7439-95-4	Magnesium, Total	440	mg/kg dry wt.	1	50	4.4		01/27/10 10:52
7439-96-5	Manganese, Total	6.2	mg/kg dry wt.	1	1.0	0.21		01/27/10 10:52
7440-02-0	Nickel, Total	3.9	mg/kg dry wt.	1	1.0	0.81		01/27/10 10:52
7440-23-5	Sodium, Total	56	mg/kg dry wt.	1	50	5.4		01/27/10 10:52

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 12:50
Solids: 92.31
Laboratory ID: 1001254-09

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 07:00
Initial/Final: 0.5005 g / 50 mL
QC Batch: 1000576

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3700	mg/kg dry wt.	50	500	92		01/27/10 13:53
7440-39-3	Barium, Total	95	mg/kg dry wt.	1	1.0	0.28		01/27/10 10:56
7439-89-6	Iron, Total	4000	mg/kg dry wt.	50	250	23		01/27/10 13:53
7439-95-4	Magnesium, Total	710	mg/kg dry wt.	1	50	4.4		01/27/10 10:56
7439-96-5	Manganese, Total	30	mg/kg dry wt.	1	1.0	0.21		01/27/10 10:56
7440-02-0	Nickel, Total	3.6	mg/kg dry wt.	1	1.0	0.81		01/27/10 10:56
7440-23-5	Sodium, Total	32	mg/kg dry wt.	1	50	5.4	J	01/27/10 10:56

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011910-086

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 15:20
Solids: 78.78
Laboratory ID: 1001254-10

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 07:00
Initial/Final: 0.5036 g / 50 mL
QC Batch: 1000576

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	7700	mg/kg dry wt.	1	10	1.8		01/27/10 11:29
7440-39-3	Barium, Total	130	mg/kg dry wt.	1	1.0	0.28		01/27/10 11:29
7439-89-6	Iron, Total	6700	mg/kg dry wt.	1	5.0	0.47		01/27/10 11:29
7439-95-4	Magnesium, Total	6800	mg/kg dry wt.	1	50	4.4		01/27/10 11:29
7439-96-5	Manganese, Total	180	mg/kg dry wt.	1	1.0	0.21		01/27/10 11:29
7440-02-0	Nickel, Total	8.9	mg/kg dry wt.	1	1.0	0.81		01/27/10 11:29
7440-23-5	Sodium, Total	75	mg/kg dry wt.	1	50	5.4		01/27/10 11:29

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011910-090

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 16:10
Solids: 91.15
Laboratory ID: 1001286-01

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5016 g / 50 mL
QC Batch: 1000596

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	4600	mg/kg dry wt.	1	10	1.8		01/27/10 11:42
7440-39-3	Barium, Total	53	mg/kg dry wt.	1	1.0	0.28		01/27/10 11:42
7439-89-6	Iron, Total	15000	mg/kg dry wt.	1	5.0	0.47		01/27/10 11:42
7439-95-4	Magnesium, Total	28000	mg/kg dry wt.	1	50	4.4		01/27/10 11:42
7439-96-5	Manganese, Total	650	mg/kg dry wt.	1	1.0	0.21		01/27/10 11:42
7440-02-0	Nickel, Total	13	mg/kg dry wt.	1	1.0	0.81		01/27/10 11:42
7440-23-5	Sodium, Total	93	mg/kg dry wt.	1	50	5.4		01/27/10 11:42

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012010-094

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 10:50
Solids: 92.11
Laboratory ID: 1001286-02

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5025 g / 50 mL
QC Batch: 1000596

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3700	mg/kg dry wt.	1	10	1.8		01/27/10 11:47
7440-39-3	Barium, Total	39	mg/kg dry wt.	1	1.0	0.28		01/27/10 11:47
7439-89-6	Iron, Total	5400	mg/kg dry wt.	1	5.0	0.47		01/27/10 11:47
7439-95-4	Magnesium, Total	630	mg/kg dry wt.	1	50	4.4		01/27/10 11:47
7439-96-5	Manganese, Total	500	mg/kg dry wt.	1	1.0	0.21		01/27/10 11:47
7440-02-0	Nickel, Total	4.1	mg/kg dry wt.	1	1.0	0.81		01/27/10 11:47
7440-23-5	Sodium, Total	8.9	mg/kg dry wt.	1	50	5.4	J	01/27/10 11:47

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012010-099

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 13:50
Solids: 95.28
Laboratory ID: 1001286-03

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5024 g / 50 mL
QC Batch: 1000596

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	2600	mg/kg dry wt.	1	10	1.8		01/27/10 11:52
7440-39-3	Barium, Total	19	mg/kg dry wt.	1	1.0	0.28		01/27/10 11:52
7439-89-6	Iron, Total	11000	mg/kg dry wt.	1	5.0	0.47		01/27/10 11:52
7439-95-4	Magnesium, Total	24000	mg/kg dry wt.	1	50	4.4		01/27/10 11:52
7439-96-5	Manganese, Total	490	mg/kg dry wt.	1	1.0	0.21		01/27/10 11:52
7440-02-0	Nickel, Total	15	mg/kg dry wt.	1	1.0	0.81		01/27/10 11:52
7440-23-5	Sodium, Total	89	mg/kg dry wt.	1	50	5.4		01/27/10 11:52

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012010-1031

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 08:45
Solids: 83.21
Laboratory ID: 1001286-04

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5124 g / 50 mL
QC Batch: 1000596

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3600	mg/kg dry wt.	1	10	1.8		01/27/10 11:57
7440-39-3	Barium, Total	98	mg/kg dry wt.	1	1.0	0.28		01/27/10 11:57
7439-89-6	Iron, Total	34000	mg/kg dry wt.	1	5.0	0.47		01/27/10 11:57
7439-95-4	Magnesium, Total	12000	mg/kg dry wt.	1	50	4.4		01/27/10 11:57
7439-96-5	Manganese, Total	260	mg/kg dry wt.	1	1.0	0.21		01/27/10 11:57
7440-02-0	Nickel, Total	20	mg/kg dry wt.	1	1.0	0.81		01/27/10 11:57
7440-23-5	Sodium, Total	110	mg/kg dry wt.	1	50	5.4		01/27/10 11:57

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012010-1035

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 12:10
Solids: 94.63
Laboratory ID: 1001286-05

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5079 g / 50 mL
QC Batch: 1000596

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3100	mg/kg dry wt.	1	10	1.8		01/27/10 12:10
7440-39-3	Barium, Total	8.7	mg/kg dry wt.	1	1.0	0.28		01/27/10 12:10
7439-89-6	Iron, Total	9900	mg/kg dry wt.	1	5.0	0.47		01/27/10 12:10
7439-95-4	Magnesium, Total	34000	mg/kg dry wt.	1	50	4.4		01/27/10 12:10
7439-96-5	Manganese, Total	260	mg/kg dry wt.	1	1.0	0.21		01/27/10 12:10
7440-02-0	Nickel, Total	6.8	mg/kg dry wt.	1	1.0	0.81		01/27/10 12:10
7440-23-5	Sodium, Total	110	mg/kg dry wt.	1	50	5.4		01/27/10 12:10

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012010-1038

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 14:00
Solids: 78.15
Laboratory ID: 1001286-06

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.504 g / 50 mL
QC Batch: 1000596

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	5200	mg/kg dry wt.	1	10	1.8		01/27/10 12:15
7440-39-3	Barium, Total	180	mg/kg dry wt.	1	1.0	0.28		01/27/10 12:15
7439-89-6	Iron, Total	11000	mg/kg dry wt.	1	5.0	0.47		01/27/10 12:15
7439-95-4	Magnesium, Total	1800	mg/kg dry wt.	1	50	4.4		01/27/10 12:15
7439-96-5	Manganese, Total	1100	mg/kg dry wt.	1	1.0	0.21		01/27/10 12:15
7440-02-0	Nickel, Total	16	mg/kg dry wt.	1	1.0	0.81		01/27/10 12:15
7440-23-5	Sodium, Total	46	mg/kg dry wt.	1	50	5.4	J	01/27/10 12:15

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 08:55
Solids: 93.43
Laboratory ID: 1001286-07

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5116 g / 50 mL
QC Batch: 1000596

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	4600	mg/kg dry wt.	25	250	46		01/29/10 12:02
7440-39-3	Barium, Total	26	mg/kg dry wt.	1	1.0	0.28		01/27/10 12:20
7439-89-6	Iron, Total	13000	mg/kg dry wt.	200	1000	94		01/27/10 14:04
7439-95-4	Magnesium, Total	38000	mg/kg dry wt.	25	1200	110		01/29/10 12:02
7439-96-5	Manganese, Total	800	mg/kg dry wt.	1	1.0	0.21		01/27/10 12:20
7440-02-0	Nickel, Total	14	mg/kg dry wt.	1	1.0	0.81		01/27/10 12:20
7440-23-5	Sodium, Total	130	mg/kg dry wt.	1	50	5.4		01/27/10 12:20

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 77.71
Laboratory ID: 1001286-08

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5055 g / 50 mL
QC Batch: 1000596

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3800	mg/kg dry wt.	1	10	1.8		01/27/10 12:46
7440-39-3	Barium, Total	330	mg/kg dry wt.	1	1.0	0.28		01/27/10 12:46
7439-89-6	Iron, Total	9700	mg/kg dry wt.	1	5.0	0.47		01/27/10 12:46
7439-95-4	Magnesium, Total	2000	mg/kg dry wt.	1	50	4.4		01/27/10 12:46
7439-96-5	Manganese, Total	190	mg/kg dry wt.	1	1.0	0.21		01/27/10 12:46
7440-02-0	Nickel, Total	10	mg/kg dry wt.	1	1.0	0.81		01/27/10 12:46
7440-23-5	Sodium, Total	180	mg/kg dry wt.	1	50	5.4		01/27/10 12:46

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

SD-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:25
Solids: 77.73
Laboratory ID: 1001286-09

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5132 g / 50 mL
QC Batch: 1000596

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3800	mg/kg dry wt.	1	10	1.8		01/27/10 12:51
7440-39-3	Barium, Total	1100	mg/kg dry wt.	1	1.0	0.28		01/27/10 12:51
7439-89-6	Iron, Total	8700	mg/kg dry wt.	1	5.0	0.47		01/27/10 12:51
7439-95-4	Magnesium, Total	1600	mg/kg dry wt.	1	50	4.4		01/27/10 12:51
7439-96-5	Manganese, Total	160	mg/kg dry wt.	1	1.0	0.21		01/27/10 12:51
7440-02-0	Nickel, Total	9.9	mg/kg dry wt.	1	1.0	0.81		01/27/10 12:51
7440-23-5	Sodium, Total	160	mg/kg dry wt.	1	50	5.4		01/27/10 12:51

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012110-1050

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:40
Solids: 79.60
Laboratory ID: 1001286-10

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.504 g / 50 mL
QC Batch: 1000596

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3100	mg/kg dry wt.	1	10	1.8		01/27/10 12:56
7440-39-3	Barium, Total	110	mg/kg dry wt.	1	1.0	0.28		01/27/10 12:56
7439-89-6	Iron, Total	8500	mg/kg dry wt.	1	5.0	0.47		01/27/10 12:56
7439-95-4	Magnesium, Total	6500	mg/kg dry wt.	1	50	4.4		01/27/10 12:56
7439-96-5	Manganese, Total	290	mg/kg dry wt.	1	1.0	0.21		01/27/10 12:56
7440-02-0	Nickel, Total	6.9	mg/kg dry wt.	1	1.0	0.81		01/27/10 12:56
7440-23-5	Sodium, Total	150	mg/kg dry wt.	1	50	5.4		01/27/10 12:56

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012010-105

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 16:30
Solids: 89.13
Laboratory ID: 1001286-11

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5165 g / 50 mL
QC Batch: 1000596

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	5400	mg/kg dry wt.	1	10	1.8		01/27/10 13:09
7440-39-3	Barium, Total	95	mg/kg dry wt.	1	1.0	0.28		01/27/10 13:09
7439-89-6	Iron, Total	22000	mg/kg dry wt.	1	5.0	0.47		01/27/10 13:09
7439-95-4	Magnesium, Total	1300	mg/kg dry wt.	1	50	4.4		01/27/10 13:09
7439-96-5	Manganese, Total	1300	mg/kg dry wt.	1	1.0	0.21		01/27/10 13:09
7440-02-0	Nickel, Total	9.9	mg/kg dry wt.	1	1.0	0.81		01/27/10 13:09
7440-23-5	Sodium, Total	26	mg/kg dry wt.	1	50	5.4	J	01/27/10 13:09

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012110-107

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 09:00
Solids: 96.94
Laboratory ID: 1001286-12

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.507 g / 50 mL
QC Batch: 1000596

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	1800	mg/kg dry wt.	1	10	1.8		01/27/10 13:15
7440-39-3	Barium, Total	11	mg/kg dry wt.	1	1.0	0.28		01/27/10 13:15
7439-89-6	Iron, Total	6900	mg/kg dry wt.	1	5.0	0.47		01/27/10 13:15
7439-95-4	Magnesium, Total	16000	mg/kg dry wt.	1	50	4.4		01/27/10 13:15
7439-96-5	Manganese, Total	180	mg/kg dry wt.	1	1.0	0.21		01/27/10 13:15
7440-02-0	Nickel, Total	4.9	mg/kg dry wt.	1	1.0	0.81		01/27/10 13:15
7440-23-5	Sodium, Total	69	mg/kg dry wt.	1	50	5.4		01/27/10 13:15

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012110-109

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 10:00
Solids: 90.90
Laboratory ID: 1001286-13

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5127 g / 50 mL
QC Batch: 1000596

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	4600	mg/kg dry wt.	1	10	1.8		01/27/10 13:20
7440-39-3	Barium, Total	93	mg/kg dry wt.	1	1.0	0.28		01/27/10 13:20
7439-89-6	Iron, Total	21000	mg/kg dry wt.	1	5.0	0.47		01/27/10 13:20
7439-95-4	Magnesium, Total	13000	mg/kg dry wt.	1	50	4.4		01/27/10 13:20
7439-96-5	Manganese, Total	380	mg/kg dry wt.	1	1.0	0.21		01/27/10 13:20
7440-02-0	Nickel, Total	15	mg/kg dry wt.	1	1.0	0.81		01/27/10 13:20
7440-23-5	Sodium, Total	150	mg/kg dry wt.	1	50	5.4		01/27/10 13:20

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012110-114

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 91.45
Laboratory ID: 1001286-14

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5086 g / 50 mL
QC Batch: 1000596

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	4400	mg/kg dry wt.	1	10	1.8		01/27/10 13:25
7440-39-3	Barium, Total	54	mg/kg dry wt.	1	1.0	0.28		01/27/10 13:25
7439-89-6	Iron, Total	10000	mg/kg dry wt.	1	5.0	0.47		01/27/10 13:25
7439-95-4	Magnesium, Total	1500	mg/kg dry wt.	1	50	4.4		01/27/10 13:25
7439-96-5	Manganese, Total	96	mg/kg dry wt.	1	1.0	0.21		01/27/10 13:25
7440-02-0	Nickel, Total	6.5	mg/kg dry wt.	1	1.0	0.81		01/27/10 13:25
7440-23-5	Sodium, Total	26	mg/kg dry wt.	1	50	5.4	J	01/27/10 13:25

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012110-116

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:10
Solids: 86.48
Laboratory ID: 1001286-15

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.525 g / 50 mL
QC Batch: 1000596

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	7100	mg/kg dry wt.	1	10	1.8		01/27/10 13:30
7440-39-3	Barium, Total	110	mg/kg dry wt.	1	1.0	0.28		01/27/10 13:30
7439-89-6	Iron, Total	18000	mg/kg dry wt.	1	5.0	0.47		01/27/10 13:30
7439-95-4	Magnesium, Total	3700	mg/kg dry wt.	1	50	4.4		01/27/10 13:30
7439-96-5	Manganese, Total	670	mg/kg dry wt.	1	1.0	0.21		01/27/10 13:30
7440-02-0	Nickel, Total	11	mg/kg dry wt.	1	1.0	0.81		01/27/10 13:30
7440-23-5	Sodium, Total	70	mg/kg dry wt.	1	50	5.4		01/27/10 13:30

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012110-118

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 14:10
Solids: 82.72
Laboratory ID: 1001286-16

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5031 g / 50 mL
QC Batch: 1000596

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	5000	mg/kg dry wt.	1	10	1.8		01/27/10 13:35
7440-39-3	Barium, Total	160	mg/kg dry wt.	1	1.0	0.28		01/27/10 13:35
7439-89-6	Iron, Total	11000	mg/kg dry wt.	1	5.0	0.47		01/27/10 13:35
7439-95-4	Magnesium, Total	2800	mg/kg dry wt.	1	50	4.4		01/27/10 13:35
7439-96-5	Manganese, Total	450	mg/kg dry wt.	1	1.0	0.21		01/27/10 13:35
7440-02-0	Nickel, Total	7.7	mg/kg dry wt.	1	1.0	0.81		01/27/10 13:35
7440-23-5	Sodium, Total	74	mg/kg dry wt.	1	50	5.4		01/27/10 13:35

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25054
Instrument: 101
Calibration: 0A25015

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A25054-CAL1	0A25054-002	01/25/10 13:56
Cal Standard	0A25054-CAL2	0A25054-003	01/25/10 13:59
Cal Standard	0A25054-CAL3	0A25054-004	01/25/10 14:03
Cal Standard	0A25054-CAL4	0A25054-005	01/25/10 14:06
Cal Standard	0A25054-CAL5	0A25054-006	01/25/10 14:10
Secondary Cal Check	0A25054-SCV1	0A25054-007	01/25/10 14:13
Calibration Check	0A25054-CCV1	0A25054-007	01/25/10 14:13
Calibration Blank	0A25054-CCB1	0A25054-008	01/25/10 14:16
MRL Check	0A25054-CRL1	0A25054-009	01/25/10 14:20
Interference Check A	0A25054-IFA1	0A25054-010	01/25/10 14:23
Interference Check A	0A25054-IFA2	0A25054-011	01/25/10 14:27
Interference Check B	0A25054-IFB1	0A25054-012	01/25/10 14:30
Interference Check B	0A25054-IFB2	0A25054-013	01/25/10 14:34
Calibration Check	0A25054-CCV2	0A25054-014	01/25/10 14:37
Calibration Blank	0A25054-CCB2	0A25054-015	01/25/10 14:41
Blank	1000570-BLK1	0A25054-016	01/25/10 14:44
LCS	1000570-BS1	0A25054-017	01/25/10 14:47
S-VAS-56394-DR-011810-1018	1001254-01	0A25054-018	01/25/10 14:51
S-VAS-56394-DR-011810-1018	1001254-01	0A25054-018	01/25/10 14:51
S-VAS-56394-DR-011810-1018	1001254-01	0A25054-018	01/25/10 14:51
S-VAS-56394-DR-011810-1018	1001254-01	0A25054-018	01/25/10 14:51
S-VAS-56394-DR-011810-1018	1001254-01	0A25054-018	01/25/10 14:51
S-VAS-56394-DR-011810-1018	1001254-01	0A25054-018	01/25/10 14:51
S-VAS-56394-DR-011810-1018	1001254-01	0A25054-018	01/25/10 14:51
Blank	1000572-BLK1	0A25054-019	01/25/10 14:54
LCS	1000572-BS1	0A25054-020	01/25/10 14:57
S-VAS-56394-DR-011810-1018	1001254-02	0A25054-021	01/25/10 15:01
S-VAS-56394-DR-011810-1018	1001254-02	0A25054-021	01/25/10 15:01
S-VAS-56394-DR-011810-1018	1001254-02	0A25054-021	01/25/10 15:01
S-VAS-56394-DR-011810-1018	1001254-02	0A25054-021	01/25/10 15:01
S-VAS-56394-DR-011810-1018	1001254-02	0A25054-021	01/25/10 15:01
S-VAS-56394-DR-011810-1018	1001254-02	0A25054-021	01/25/10 15:01

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25054

SDG: PM011810
Project: Plainwell Mill
Instrument: 101
Calibration: 0A25015

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-VAS-56394-DR-011810-1018	1001254-02	0A25054-021	01/25/10 15:01
Calibration Check	0A25054-CCV3	0A25054-022	01/25/10 15:04
Calibration Blank	0A25054-CCB3	0A25054-023	01/25/10 15:08

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27004

SDG: PM011810
Project: Plainwell Mill
Instrument: 311
Calibration: 0A28006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A27004-CAL1	0A27004-001	01/27/10 09:17
Cal Standard	0A27004-CAL2	0A27004-002	01/27/10 09:21
Cal Standard	0A27004-CAL3	0A27004-003	01/27/10 09:25
Cal Standard	0A27004-CAL4	0A27004-004	01/27/10 09:29
Cal Standard	0A27004-CAL5	0A27004-005	01/27/10 09:33
Secondary Cal Check	0A27004-SCV1	0A27004-006	01/27/10 09:37
Calibration Check	0A27004-CCV1	0A27004-006	01/27/10 09:37
Calibration Blank	0A27004-CCB1	0A27004-007	01/27/10 09:41
MRL Check	0A27004-CRL1	0A27004-008	01/27/10 09:45
Interference Check A	0A27004-IFA1	0A27004-009	01/27/10 09:49
Interference Check A	0A27004-IFA2	0A27004-010	01/27/10 09:54
Interference Check B	0A27004-IFB1	0A27004-011	01/27/10 10:00
Interference Check B	0A27004-IFB2	0A27004-012	01/27/10 10:06
Calibration Check	0A27004-CCV2	0A27004-013	01/27/10 10:12
Calibration Blank	0A27004-CCB2	0A27004-014	01/27/10 10:16
Blank	1000576-BLK1	0A27004-015	01/27/10 10:20
LCS	1000576-BS1	0A27004-016	01/27/10 10:24
S-SO-56394-CB-011810-062	1001254-03	0A27004-017	01/27/10 10:28
S-SO-56394-CB-011810-062	1001254-03	0A27004-017	01/27/10 10:28
S-SO-56394-CB-011810-062	1001254-03	0A27004-017	01/27/10 10:28
S-SO-56394-CB-011810-062	1001254-03	0A27004-017	01/27/10 10:28
S-SO-56394-CB-011810-062	1001254-03	0A27004-017	01/27/10 10:28
S-SO-56394-CB-011810-062	1001254-03	0A27004-017	01/27/10 10:28
S-SO-56394-CB-011810-062	1001254-03	0A27004-017	01/27/10 10:28
S-SO-56394-CB-011810-072	1001254-04	0A27004-018	01/27/10 10:33
S-SO-56394-CB-011810-072	1001254-04	0A27004-018	01/27/10 10:33
S-SO-56394-CB-011810-072	1001254-04	0A27004-018	01/27/10 10:33
S-SO-56394-CB-011810-072	1001254-04	0A27004-018	01/27/10 10:33
S-SO-56394-CB-011810-072	1001254-04	0A27004-018	01/27/10 10:33
S-SO-56394-CB-011810-072	1001254-04	0A27004-018	01/27/10 10:33
S-SO-56394-CB-011810-072	1001254-04	0A27004-018	01/27/10 10:33
S-SO-56394-CB-011810-057	1001254-05	0A27004-019	01/27/10 10:38

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27004

SDG: PM011810
Project: Plainwell Mill
Instrument: 311
Calibration: 0A28006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011810-057	1001254-05	0A27004-019	01/27/10 10:38
S-SO-56394-CB-011810-057	1001254-05	0A27004-019	01/27/10 10:38
S-SO-56394-CB-011810-057	1001254-05	0A27004-019	01/27/10 10:38
S-SO-56394-CB-011810-057	1001254-05	0A27004-019	01/27/10 10:38
S-SO-56394-CB-011810-057	1001254-05	0A27004-019	01/27/10 10:38
S-SO-56394-CB-011810-057	1001254-05	0A27004-019	01/27/10 10:38
S-SO-56394-DR-011910-1024	1001254-06	0A27004-020	01/27/10 10:43
S-SO-56394-DR-011910-1024	1001254-06	0A27004-020	01/27/10 10:43
S-SO-56394-DR-011910-1024	1001254-06	0A27004-020	01/27/10 10:43
S-SO-56394-DR-011910-1024	1001254-06	0A27004-020	01/27/10 10:43
S-SO-56394-DR-011910-1024	1001254-06	0A27004-020	01/27/10 10:43
S-SO-56394-DR-011910-1024	1001254-06	0A27004-020	01/27/10 10:43
S-SO-56394-DR-011910-1024	1001254-06	0A27004-020	01/27/10 10:43
S-SO-56394-CB-011910-077	1001254-07	0A27004-021	01/27/10 10:48
S-SO-56394-CB-011910-077	1001254-07	0A27004-021	01/27/10 10:48
S-SO-56394-CB-011910-077	1001254-07	0A27004-021	01/27/10 10:48
S-SO-56394-CB-011910-077	1001254-07	0A27004-021	01/27/10 10:48
S-SO-56394-CB-011910-077	1001254-07	0A27004-021	01/27/10 10:48
S-SO-56394-CB-011910-077	1001254-07	0A27004-021	01/27/10 10:48
S-SO-56394-CB-011910-077	1001254-07	0A27004-021	01/27/10 10:48
SD-SO-56394-CB-011910-077	1001254-08	0A27004-022	01/27/10 10:52
SD-SO-56394-CB-011910-077	1001254-08	0A27004-022	01/27/10 10:52
SD-SO-56394-CB-011910-077	1001254-08	0A27004-022	01/27/10 10:52
SD-SO-56394-CB-011910-077	1001254-08	0A27004-022	01/27/10 10:52
SD-SO-56394-CB-011910-077	1001254-08	0A27004-022	01/27/10 10:52
SD-SO-56394-CB-011910-077	1001254-08	0A27004-022	01/27/10 10:52
SD-SO-56394-CB-011910-077	1001254-08	0A27004-022	01/27/10 10:52
S-SO-56394-CB-011910-081	1001254-09	0A27004-023	01/27/10 10:56
S-SO-56394-CB-011910-081	1001254-09	0A27004-023	01/27/10 10:56
S-SO-56394-CB-011910-081	1001254-09	0A27004-023	01/27/10 10:56
S-SO-56394-CB-011910-081	1001254-09	0A27004-023	01/27/10 10:56
S-SO-56394-CB-011910-081	1001254-09	0A27004-023	01/27/10 10:56

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27004

SDG: PM011810
Project: Plainwell Mill
Instrument: 311
Calibration: 0A28006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011910-081	1000576-MS1	0A27004-024	01/27/10 11:01
Calibration Check	0A27004-CCV3	0A27004-025	01/27/10 11:06
Calibration Blank	0A27004-CCB3	0A27004-026	01/27/10 11:10
S-SO-56394-CB-011910-081	1000576-MSD1	0A27004-027	01/27/10 11:14
S-SO-56394-CB-011910-081	0A27004-SRD1	0A27004-028	01/27/10 11:19
S-SO-56394-CB-011910-081	1000576-PS1	0A27004-029	01/27/10 11:23
S-SO-56394-CB-011910-086	1001254-10	0A27004-030	01/27/10 11:29
S-SO-56394-CB-011910-086	1001254-10	0A27004-030	01/27/10 11:29
S-SO-56394-CB-011910-086	1001254-10	0A27004-030	01/27/10 11:29
S-SO-56394-CB-011910-086	1001254-10	0A27004-030	01/27/10 11:29
S-SO-56394-CB-011910-086	1001254-10	0A27004-030	01/27/10 11:29
S-SO-56394-CB-011910-086	1001254-10	0A27004-030	01/27/10 11:29
S-SO-56394-CB-011910-086	1001254-10	0A27004-030	01/27/10 11:29
Blank	1000596-BLK1	0A27004-031	01/27/10 11:34
LCS	1000596-BS1	0A27004-032	01/27/10 11:38
S-SO-56394-CB-011910-090	1001286-01	0A27004-033	01/27/10 11:42
S-SO-56394-CB-011910-090	1001286-01	0A27004-033	01/27/10 11:42
S-SO-56394-CB-011910-090	1001286-01	0A27004-033	01/27/10 11:42
S-SO-56394-CB-011910-090	1001286-01	0A27004-033	01/27/10 11:42
S-SO-56394-CB-011910-090	1001286-01	0A27004-033	01/27/10 11:42
S-SO-56394-CB-011910-090	1001286-01	0A27004-033	01/27/10 11:42
S-SO-56394-CB-011910-090	1001286-01	0A27004-033	01/27/10 11:42
S-SO-56394-CB-012010-094	1001286-02	0A27004-034	01/27/10 11:47
S-SO-56394-CB-012010-094	1001286-02	0A27004-034	01/27/10 11:47
S-SO-56394-CB-012010-094	1001286-02	0A27004-034	01/27/10 11:47
S-SO-56394-CB-012010-094	1001286-02	0A27004-034	01/27/10 11:47
S-SO-56394-CB-012010-094	1001286-02	0A27004-034	01/27/10 11:47
S-SO-56394-CB-012010-094	1001286-02	0A27004-034	01/27/10 11:47
S-SO-56394-CB-012010-094	1001286-02	0A27004-034	01/27/10 11:47
S-SO-56394-CB-012010-099	1001286-03	0A27004-035	01/27/10 11:52
S-SO-56394-CB-012010-099	1001286-03	0A27004-035	01/27/10 11:52
S-SO-56394-CB-012010-099	1001286-03	0A27004-035	01/27/10 11:52

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27004

SDG: PM011810
Project: Plainwell Mill
Instrument: 311
Calibration: 0A28006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012010-099	1001286-03	0A27004-035	01/27/10 11:52
S-SO-56394-CB-012010-099	1001286-03	0A27004-035	01/27/10 11:52
S-SO-56394-CB-012010-099	1001286-03	0A27004-035	01/27/10 11:52
S-SO-56394-CB-012010-099	1001286-03	0A27004-035	01/27/10 11:52
S-SO-56394-DR-012010-1031	1001286-04	0A27004-036	01/27/10 11:57
S-SO-56394-DR-012010-1031	1001286-04	0A27004-036	01/27/10 11:57
S-SO-56394-DR-012010-1031	1001286-04	0A27004-036	01/27/10 11:57
S-SO-56394-DR-012010-1031	1001286-04	0A27004-036	01/27/10 11:57
S-SO-56394-DR-012010-1031	1001286-04	0A27004-036	01/27/10 11:57
S-SO-56394-DR-012010-1031	1001286-04	0A27004-036	01/27/10 11:57
S-SO-56394-DR-012010-1031	1001286-04	0A27004-036	01/27/10 11:57
Calibration Check	0A27004-CCV4	0A27004-037	01/27/10 12:02
Calibration Blank	0A27004-CCB4	0A27004-038	01/27/10 12:06
S-SO-56394-DR-012010-1035	1001286-05	0A27004-039	01/27/10 12:10
S-SO-56394-DR-012010-1035	1001286-05	0A27004-039	01/27/10 12:10
S-SO-56394-DR-012010-1035	1001286-05	0A27004-039	01/27/10 12:10
S-SO-56394-DR-012010-1035	1001286-05	0A27004-039	01/27/10 12:10
S-SO-56394-DR-012010-1035	1001286-05	0A27004-039	01/27/10 12:10
S-SO-56394-DR-012010-1035	1001286-05	0A27004-039	01/27/10 12:10
S-SO-56394-DR-012010-1035	1001286-05	0A27004-039	01/27/10 12:10
S-SO-56394-DR-012010-1038	1001286-06	0A27004-040	01/27/10 12:15
S-SO-56394-DR-012010-1038	1001286-06	0A27004-040	01/27/10 12:15
S-SO-56394-DR-012010-1038	1001286-06	0A27004-040	01/27/10 12:15
S-SO-56394-DR-012010-1038	1001286-06	0A27004-040	01/27/10 12:15
S-SO-56394-DR-012010-1038	1001286-06	0A27004-040	01/27/10 12:15
S-SO-56394-DR-012010-1038	1001286-06	0A27004-040	01/27/10 12:15
S-SO-56394-DR-012010-1038	1001286-06	0A27004-040	01/27/10 12:15
S-SO-56394-DR-012110-1045	1001286-07	0A27004-041	01/27/10 12:20
S-SO-56394-DR-012110-1045	1001286-07	0A27004-041	01/27/10 12:20
S-SO-56394-DR-012110-1045	1001286-07	0A27004-041	01/27/10 12:20
S-SO-56394-DR-012110-1045	1001286-07	0A27004-041	01/27/10 12:20
S-SO-56394-DR-012110-1045	1000596-MS1	0A27004-042	01/27/10 12:26

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27004

SDG: PM011810
Project: Plainwell Mill
Instrument: 311
Calibration: 0A28006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-012110-1045	1000596-MSD1	0A27004-043	01/27/10 12:31
S-SO-56394-DR-012110-1045	0A27004-SRD2	0A27004-044	01/27/10 12:36
S-SO-56394-DR-012110-1045	1000596-PS1	0A27004-045	01/27/10 12:41
S-SO-56394-DR-012110-1049	1001286-08	0A27004-046	01/27/10 12:46
S-SO-56394-DR-012110-1049	1001286-08	0A27004-046	01/27/10 12:46
S-SO-56394-DR-012110-1049	1001286-08	0A27004-046	01/27/10 12:46
S-SO-56394-DR-012110-1049	1001286-08	0A27004-046	01/27/10 12:46
S-SO-56394-DR-012110-1049	1001286-08	0A27004-046	01/27/10 12:46
S-SO-56394-DR-012110-1049	1001286-08	0A27004-046	01/27/10 12:46
S-SO-56394-DR-012110-1049	1001286-08	0A27004-046	01/27/10 12:46
SD-SO-56394-DR-012110-1049	1001286-09	0A27004-047	01/27/10 12:51
SD-SO-56394-DR-012110-1049	1001286-09	0A27004-047	01/27/10 12:51
SD-SO-56394-DR-012110-1049	1001286-09	0A27004-047	01/27/10 12:51
SD-SO-56394-DR-012110-1049	1001286-09	0A27004-047	01/27/10 12:51
SD-SO-56394-DR-012110-1049	1001286-09	0A27004-047	01/27/10 12:51
SD-SO-56394-DR-012110-1049	1001286-09	0A27004-047	01/27/10 12:51
SD-SO-56394-DR-012110-1049	1001286-09	0A27004-047	01/27/10 12:51
S-SO-56394-DR-012110-1050	1001286-10	0A27004-048	01/27/10 12:56
S-SO-56394-DR-012110-1050	1001286-10	0A27004-048	01/27/10 12:56
S-SO-56394-DR-012110-1050	1001286-10	0A27004-048	01/27/10 12:56
S-SO-56394-DR-012110-1050	1001286-10	0A27004-048	01/27/10 12:56
S-SO-56394-DR-012110-1050	1001286-10	0A27004-048	01/27/10 12:56
S-SO-56394-DR-012110-1050	1001286-10	0A27004-048	01/27/10 12:56
S-SO-56394-DR-012110-1050	1001286-10	0A27004-048	01/27/10 12:56
Calibration Check	0A27004-CCV5	0A27004-049	01/27/10 13:01
Calibration Blank	0A27004-CCB5	0A27004-050	01/27/10 13:05
S-SO-56394-CB-012010-105	1001286-11	0A27004-051	01/27/10 13:09
S-SO-56394-CB-012010-105	1001286-11	0A27004-051	01/27/10 13:09
S-SO-56394-CB-012010-105	1001286-11	0A27004-051	01/27/10 13:09
S-SO-56394-CB-012010-105	1001286-11	0A27004-051	01/27/10 13:09
S-SO-56394-CB-012010-105	1001286-11	0A27004-051	01/27/10 13:09
S-SO-56394-CB-012010-105	1001286-11	0A27004-051	01/27/10 13:09

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27004

SDG: PM011810
Project: Plainwell Mill
Instrument: 311
Calibration: 0A28006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012010-105	1001286-11	0A27004-051	01/27/10 13:09
S-SO-56394-CB-012110-107	1001286-12	0A27004-052	01/27/10 13:15
S-SO-56394-CB-012110-107	1001286-12	0A27004-052	01/27/10 13:15
S-SO-56394-CB-012110-107	1001286-12	0A27004-052	01/27/10 13:15
S-SO-56394-CB-012110-107	1001286-12	0A27004-052	01/27/10 13:15
S-SO-56394-CB-012110-107	1001286-12	0A27004-052	01/27/10 13:15
S-SO-56394-CB-012110-107	1001286-12	0A27004-052	01/27/10 13:15
S-SO-56394-CB-012110-107	1001286-12	0A27004-052	01/27/10 13:15
S-SO-56394-CB-012110-109	1001286-13	0A27004-053	01/27/10 13:20
S-SO-56394-CB-012110-109	1001286-13	0A27004-053	01/27/10 13:20
S-SO-56394-CB-012110-109	1001286-13	0A27004-053	01/27/10 13:20
S-SO-56394-CB-012110-109	1001286-13	0A27004-053	01/27/10 13:20
S-SO-56394-CB-012110-109	1001286-13	0A27004-053	01/27/10 13:20
S-SO-56394-CB-012110-109	1001286-13	0A27004-053	01/27/10 13:20
S-SO-56394-CB-012110-109	1001286-13	0A27004-053	01/27/10 13:20
S-SO-56394-CB-012110-114	1001286-14	0A27004-054	01/27/10 13:25
S-SO-56394-CB-012110-114	1001286-14	0A27004-054	01/27/10 13:25
S-SO-56394-CB-012110-114	1001286-14	0A27004-054	01/27/10 13:25
S-SO-56394-CB-012110-114	1001286-14	0A27004-054	01/27/10 13:25
S-SO-56394-CB-012110-114	1001286-14	0A27004-054	01/27/10 13:25
S-SO-56394-CB-012110-114	1001286-14	0A27004-054	01/27/10 13:25
S-SO-56394-CB-012110-114	1001286-14	0A27004-054	01/27/10 13:25
S-SO-56394-CB-012110-116	1001286-15	0A27004-055	01/27/10 13:30
S-SO-56394-CB-012110-116	1001286-15	0A27004-055	01/27/10 13:30
S-SO-56394-CB-012110-116	1001286-15	0A27004-055	01/27/10 13:30
S-SO-56394-CB-012110-116	1001286-15	0A27004-055	01/27/10 13:30
S-SO-56394-CB-012110-116	1001286-15	0A27004-055	01/27/10 13:30
S-SO-56394-CB-012110-116	1001286-15	0A27004-055	01/27/10 13:30
S-SO-56394-CB-012110-116	1001286-15	0A27004-055	01/27/10 13:30
S-SO-56394-CB-012110-118	1001286-16	0A27004-056	01/27/10 13:35
S-SO-56394-CB-012110-118	1001286-16	0A27004-056	01/27/10 13:35
S-SO-56394-CB-012110-118	1001286-16	0A27004-056	01/27/10 13:35

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27004

SDG: PM011810
Project: Plainwell Mill
Instrument: 311
Calibration: 0A28006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012110-118	1001286-16	0A27004-056	01/27/10 13:35
S-SO-56394-CB-012110-118	1001286-16	0A27004-056	01/27/10 13:35
S-SO-56394-CB-012110-118	1001286-16	0A27004-056	01/27/10 13:35
S-SO-56394-CB-012110-118	1001286-16	0A27004-056	01/27/10 13:35
Calibration Check	0A27004-CCV6	0A27004-057	01/27/10 13:40
Calibration Blank	0A27004-CCB6	0A27004-058	01/27/10 13:44
S-SO-56394-CB-011910-081	1001254-09	0A27004-059	01/27/10 13:53
S-SO-56394-CB-011910-081	1001254-09	0A27004-059	01/27/10 13:53
S-SO-56394-CB-011910-081	0A27004-SRD3	0A27004-060	01/27/10 13:57
S-SO-56394-CB-011910-081	1000576-PS2	0A27004-061	01/27/10 14:00
S-SO-56394-DR-012110-1045	1001286-07	0A27004-062	01/27/10 14:04
S-SO-56394-DR-012110-1045	0A27004-SRD4	0A27004-063	01/27/10 14:08
S-SO-56394-DR-012110-1045	1000596-PS2	0A27004-064	01/27/10 14:12
Calibration Check	0A27004-CCV7	0A27004-068	01/27/10 14:28
Calibration Blank	0A27004-CCB7	0A27004-069	01/27/10 14:32

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A29026

SDG: PM011810
Project: Plainwell Mill
Instrument: 311
Calibration: 0A29016

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A29026-CAL1	0A29026-001	01/29/10 11:00
Cal Standard	0A29026-CAL2	0A29026-002	01/29/10 11:04
Cal Standard	0A29026-CAL3	0A29026-003	01/29/10 11:08
Cal Standard	0A29026-CAL4	0A29026-004	01/29/10 11:12
Cal Standard	0A29026-CAL5	0A29026-005	01/29/10 11:16
Secondary Cal Check	0A29026-SCV1	0A29026-006	01/29/10 11:19
Calibration Check	0A29026-CCV1	0A29026-006	01/29/10 11:19
Calibration Blank	0A29026-CCB1	0A29026-007	01/29/10 11:23
MRL Check	0A29026-CRL1	0A29026-008	01/29/10 11:27
Interference Check A	0A29026-IFA1	0A29026-009	01/29/10 11:31
Interference Check A	0A29026-IFA2	0A29026-010	01/29/10 11:37
Interference Check B	0A29026-IFB1	0A29026-011	01/29/10 11:43
Interference Check B	0A29026-IFB2	0A29026-012	01/29/10 11:49
Calibration Check	0A29026-CCV2	0A29026-013	01/29/10 11:54
Calibration Blank	0A29026-CCB2	0A29026-014	01/29/10 11:58
S-SO-56394-DR-012110-1045	1001286-07	0A29026-015	01/29/10 12:02
S-SO-56394-DR-012110-1045	1001286-07	0A29026-015	01/29/10 12:02
S-SO-56394-DR-012110-1045	0A29026-SRD1	0A29026-016	01/29/10 12:06
S-SO-56394-DR-012110-1045	1000596-PS3	0A29026-017	01/29/10 12:10
Calibration Check	0A29026-CCV3	0A29026-018	01/29/10 12:14
Calibration Blank	0A29026-CCB3	0A29026-019	01/29/10 12:17

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25054
Instrument ID: 101
Control Limt: +/- 10.00%
Calibration: 0A25015

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A25054-CCV1	Aluminum	2500	2440	98	ug/L	01/25/10 14:13
	Aluminum	2500	2440	98	ug/L	01/25/10 14:13
	Barium	500	491	98	ug/L	01/25/10 14:13
	Barium	500	491	98	ug/L	01/25/10 14:13
	Iron	500	498	100	ug/L	01/25/10 14:13
	Iron	500	498	100	ug/L	01/25/10 14:13
	Magnesium	5.00	5.06	101	mg/L	01/25/10 14:13
	Magnesium	5.00	5.06	101	mg/L	01/25/10 14:13
	Manganese	500	499	100	ug/L	01/25/10 14:13
	Manganese	500	499	100	ug/L	01/25/10 14:13
	Nickel	500	506	101	ug/L	01/25/10 14:13
	Nickel	500	506	101	ug/L	01/25/10 14:13
	Sodium	5.00	4.95	99	mg/L	01/25/10 14:13
	Sodium	5.00	4.95	99	mg/L	01/25/10 14:13
0A25054-CCV2	Aluminum	2500	2500	100	ug/L	01/25/10 14:37
	Aluminum	2500	2500	100	ug/L	01/25/10 14:37
	Barium	500	500	100	ug/L	01/25/10 14:37
	Barium	500	500	100	ug/L	01/25/10 14:37
	Iron	500	496	99	ug/L	01/25/10 14:37
	Iron	500	496	99	ug/L	01/25/10 14:37
	Magnesium	5.00	4.98	100	mg/L	01/25/10 14:37
	Magnesium	5.00	4.98	100	mg/L	01/25/10 14:37
	Manganese	500	502	100	ug/L	01/25/10 14:37
	Manganese	500	502	100	ug/L	01/25/10 14:37
	Nickel	500	499	100	ug/L	01/25/10 14:37
	Nickel	500	499	100	ug/L	01/25/10 14:37
	Sodium	5.00	4.94	99	mg/L	01/25/10 14:37
	Sodium	5.00	4.94	99	mg/L	01/25/10 14:37
0A25054-CCV3	Aluminum	2500	2550	102	ug/L	01/25/10 15:04
	Aluminum	2500	2550	102	ug/L	01/25/10 15:04
	Barium	500	508	102	ug/L	01/25/10 15:04
	Barium	500	508	102	ug/L	01/25/10 15:04
	Iron	500	505	101	ug/L	01/25/10 15:04
	Iron	500	505	101	ug/L	01/25/10 15:04
	Magnesium	5.00	5.08	102	mg/L	01/25/10 15:04
	Magnesium	5.00	5.08	102	mg/L	01/25/10 15:04
	Manganese	500	510	102	ug/L	01/25/10 15:04
	Manganese	500	510	102	ug/L	01/25/10 15:04

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25054
Instrument ID: 101
Control Limt: +/- 10.00%
Calibration: 0A25015

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A25054-CCV3	Nickel	500	505	101	ug/L	01/25/10 15:04
	Nickel	500	505	101	ug/L	01/25/10 15:04
	Sodium	5.00	5.04	101	mg/L	01/25/10 15:04
	Sodium	5.00	5.04	101	mg/L	01/25/10 15:04

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A27004
Instrument ID: 311
Control Limt: +/- 10.00%
Calibration: 0A28006

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A27004-CCV1	Aluminum	2.50	2.46	98	mg/L	01/27/10 09:37
	Barium	0.500	0.496	99	mg/L	01/27/10 09:37
	Iron	0.500	0.505	101	mg/L	01/27/10 09:37
	Magnesium	5.00	5.12	102	mg/L	01/27/10 09:37
	Manganese	0.500	0.500	100	mg/L	01/27/10 09:37
	Nickel	0.500	0.505	101	mg/L	01/27/10 09:37
	Sodium	5.00	4.97	99	mg/L	01/27/10 09:37
0A27004-CCV2	Aluminum	2.50	2.51	100	mg/L	01/27/10 10:12
	Barium	0.500	0.499	100	mg/L	01/27/10 10:12
	Iron	0.500	0.503	101	mg/L	01/27/10 10:12
	Magnesium	5.00	5.02	100	mg/L	01/27/10 10:12
	Manganese	0.500	0.507	101	mg/L	01/27/10 10:12
	Nickel	0.500	0.508	102	mg/L	01/27/10 10:12
	Sodium	5.00	5.00	100	mg/L	01/27/10 10:12
0A27004-CCV3	Aluminum	2.50	2.51	100	mg/L	01/27/10 11:06
	Barium	0.500	0.494	99	mg/L	01/27/10 11:06
	Iron	0.500	0.503	101	mg/L	01/27/10 11:06
	Magnesium	5.00	4.99	100	mg/L	01/27/10 11:06
	Manganese	0.500	0.504	101	mg/L	01/27/10 11:06
	Nickel	0.500	0.502	100	mg/L	01/27/10 11:06
	Sodium	5.00	4.96	99	mg/L	01/27/10 11:06
0A27004-CCV4	Aluminum	2.50	2.52	101	mg/L	01/27/10 12:02
	Barium	0.500	0.499	100	mg/L	01/27/10 12:02
	Iron	0.500	0.514	103	mg/L	01/27/10 12:02
	Magnesium	5.00	5.05	101	mg/L	01/27/10 12:02
	Manganese	0.500	0.500	100	mg/L	01/27/10 12:02
	Nickel	0.500	0.500	100	mg/L	01/27/10 12:02
	Sodium	5.00	4.99	100	mg/L	01/27/10 12:02
0A27004-CCV5	Aluminum	2.50	2.51	101	mg/L	01/27/10 13:01
	Barium	0.500	0.498	100	mg/L	01/27/10 13:01
	Iron	0.500	0.513	103	mg/L	01/27/10 13:01
	Magnesium	5.00	5.05	101	mg/L	01/27/10 13:01
	Manganese	0.500	0.506	101	mg/L	01/27/10 13:01
	Nickel	0.500	0.508	102	mg/L	01/27/10 13:01
	Sodium	5.00	4.97	99	mg/L	01/27/10 13:01
0A27004-CCV6	Aluminum	2.50	2.53	101	mg/L	01/27/10 13:40
	Barium	0.500	0.502	100	mg/L	01/27/10 13:40
	Iron	0.500	0.517	103	mg/L	01/27/10 13:40

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A27004
Instrument ID: 311
Control Limt: +/- 10.00%
Calibration: 0A28006

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A27004-CCV6	Magnesium	5.00	5.07	101	mg/L	01/27/10 13:40
	Manganese	0.500	0.505	101	mg/L	01/27/10 13:40
	Nickel	0.500	0.504	101	mg/L	01/27/10 13:40
	Sodium	5.00	5.02	100	mg/L	01/27/10 13:40
0A27004-CCV7	Aluminum	2.50	2.49	100	mg/L	01/27/10 14:28
	Barium	0.500	0.497	99	mg/L	01/27/10 14:28
	Iron	0.500	0.503	101	mg/L	01/27/10 14:28
	Magnesium	5.00	4.98	100	mg/L	01/27/10 14:28
	Manganese	0.500	0.494	99	mg/L	01/27/10 14:28
	Nickel	0.500	0.495	99	mg/L	01/27/10 14:28
	Sodium	5.00	4.98	100	mg/L	01/27/10 14:28

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A29026
Instrument ID: 311
Control Limt: +/- 10.00%
Calibration: 0A29016

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A29026-CCV1	Aluminum	2.50	2.48	99	mg/L	01/29/10 11:19
	Magnesium	5.00	5.19	104	mg/L	01/29/10 11:19
0A29026-CCV2	Aluminum	2.50	2.50	100	mg/L	01/29/10 11:54
	Magnesium	5.00	4.99	100	mg/L	01/29/10 11:54
0A29026-CCV3	Aluminum	2.50	2.54	101	mg/L	01/29/10 12:14
	Magnesium	5.00	5.08	102	mg/L	01/29/10 12:14

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM011810

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0A25054 **Instrument:** 101

Laboratory ID: 0A25054-SCV1 **Calibration:** 0A25015

Analyte	Expected	Found	% R	QC Limit	Units
Aluminum	2500	2440	98	90-110	ug/L
Aluminum	2500	2440	98	90-110	ug/L
Barium	500	491	98	90-110	ug/L
Barium	500	491	98	90-110	ug/L
Iron	500	498	100	90-110	ug/L
Iron	500	498	100	90-110	ug/L
Magnesium	5.00	5.06	101	90-110	mg/L
Magnesium	5.00	5.06	101	90-110	mg/L
Manganese	500	499	100	90-110	ug/L
Manganese	500	499	100	90-110	ug/L
Nickel	500	506	101	90-110	ug/L
Nickel	500	506	101	90-110	ug/L
Sodium	5.00	4.95	99	90-110	mg/L
Sodium	5.00	4.95	99	90-110	mg/L

* Values outside of QC limits

: 00107

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM011810

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0A27004 **Instrument:** 311

Laboratory ID: 0A27004-SCV1 **Calibration:** 0A28006

Analyte	Expected	Found	% R	QC Limit	Units
Aluminum	2.50	2.46	98	90-110	mg/L
Barium	0.500	0.496	99	90-110	mg/L
Iron	0.500	0.505	101	90-110	mg/L
Magnesium	5.00	5.12	102	90-110	mg/L
Manganese	0.500	0.500	100	90-110	mg/L
Nickel	0.500	0.505	101	90-110	mg/L
Sodium	5.00	4.97	99	90-110	mg/L

* Values outside of QC limits

: 20108

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A29026
Instrument: 311
Laboratory ID: 0A29026-SCV1
Calibration: 0A29016

Analyte	Expected	Found	% R	QC Limit	Units
Aluminum	2.50	2.48	99	90-110	mg/L
Magnesium	5.00	5.19	104	90-110	mg/L

* Values outside of QC limits

: 00109

CRDL STANDARD

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A25054

SDG: PM011810

Project: Plainwell Mill

Instrument ID: 101

Calibration: 0A25015

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A25054-CRL1	Aluminum	100	108	108	ug/L	50 - 150
	Aluminum	100	108	108	ug/L	50 - 150
	Barium	20.0	19.6	98	ug/L	50 - 150
	Barium	20.0	19.6	98	ug/L	50 - 150
	Iron	20.0	21.3	106	ug/L	50 - 150
	Iron	20.0	21.3	106	ug/L	50 - 150
	Magnesium	1.00	1.06	106	mg/L	50 - 150
	Magnesium	1.00	1.06	106	mg/L	50 - 150
	Manganese	20.0	18.9	94	ug/L	50 - 150
	Manganese	20.0	18.9	94	ug/L	50 - 150
	Nickel	20.0	13.3	66	ug/L	50 - 150
	Nickel	20.0	13.3	66	ug/L	50 - 150
	Sodium	1.00	1.02	102	mg/L	50 - 150
	Sodium	1.00	1.02	102	mg/L	50 - 150

* Values outside of QC limits

: 00110

CRDL STANDARD

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A27004

SDG: PM011810

Project: Plainwell Mill

Instrument ID: 311

Calibration: 0A28006

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A27004-CRL1	Aluminum	0.100	0.130	130	mg/L	50 - 150
	Barium	0.0200	0.0225	113	mg/L	50 - 150
	Iron	0.0200	0.0243	122	mg/L	50 - 150
	Magnesium	1.00	1.08	108	mg/L	50 - 150
	Manganese	0.0200	0.0215	108	mg/L	50 - 150
	Nickel	0.0200	0.0208	104	mg/L	50 - 150
	Sodium	1.00	1.09	109	mg/L	50 - 150

* Values outside of QC limits

: 00111

CRDL STANDARD

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A29026

SDG: PM011810

Project: Plainwell Mill

Instrument ID: 311

Calibration: 0A29016

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A29026-CRL1	Aluminum	0.100	0.118	118	mg/L	50 - 150
	Magnesium	1.00	1.04	104	mg/L	50 - 150

* Values outside of QC limits

00112

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25054
Instrument ID: 101
Calibration: 0A25015

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A25054-CCB1	Aluminum	-22	50	23	ug/L	U	01/25/10 14:16
	Aluminum	-22	50	23	ug/L	U	01/25/10 14:16
	Barium	-1.1	10	3.6	ug/L	U	01/25/10 14:16
	Barium	-1.1	10	3.6	ug/L	U	01/25/10 14:16
	Iron	0.25	20	4.2	ug/L	U	01/25/10 14:16
	Iron	0.25	20	4.2	ug/L	U	01/25/10 14:16
	Magnesium	-0.018	0.50	0.048	mg/L	U	01/25/10 14:16
	Magnesium	-0.018	0.50	0.048	mg/L	U	01/25/10 14:16
	Manganese	-2.6	20	3.1	ug/L	U	01/25/10 14:16
	Manganese	-2.6	20	3.1	ug/L	U	01/25/10 14:16
	Nickel	-7.0	10	6.4	ug/L	J	01/25/10 14:16
	Nickel	-7.0	10	6.4	ug/L	J	01/25/10 14:16
	Sodium	-0.022	0.50	0.14	mg/L	U	01/25/10 14:16
	Sodium	-0.022	0.50	0.14	mg/L	U	01/25/10 14:16
0A25054-CCB2	Aluminum	-25	50	23	ug/L	J	01/25/10 14:41
	Aluminum	-25	50	23	ug/L	J	01/25/10 14:41
	Barium	-1.3	10	3.6	ug/L	U	01/25/10 14:41
	Barium	-1.3	10	3.6	ug/L	U	01/25/10 14:41
	Iron	0.44	20	4.2	ug/L	U	01/25/10 14:41
	Iron	0.44	20	4.2	ug/L	U	01/25/10 14:41
	Magnesium	-0.020	0.50	0.048	mg/L	U	01/25/10 14:41
	Magnesium	-0.020	0.50	0.048	mg/L	U	01/25/10 14:41
	Manganese	-2.2	20	3.1	ug/L	U	01/25/10 14:41
	Manganese	-2.2	20	3.1	ug/L	U	01/25/10 14:41
	Nickel	-9.8	10	6.4	ug/L	J	01/25/10 14:41
	Nickel	-9.8	10	6.4	ug/L	J	01/25/10 14:41
	Sodium	-0.070	0.50	0.14	mg/L	U	01/25/10 14:41
	Sodium	-0.070	0.50	0.14	mg/L	U	01/25/10 14:41
0A25054-CCB3	Aluminum	-27	50	23	ug/L	J	01/25/10 15:08
	Aluminum	-27	50	23	ug/L	J	01/25/10 15:08
	Barium	-0.98	10	3.6	ug/L	U	01/25/10 15:08
	Barium	-0.98	10	3.6	ug/L	U	01/25/10 15:08
	Iron	-0.13	20	4.2	ug/L	U	01/25/10 15:08

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25054

SDG: PM011810
Project: Plainwell Mill
Instrument ID: 101
Calibration: 0A25015

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A25054-CCB3	Iron	-0.13	20	4.2	ug/L	U	01/25/10 15:08
	Magnesium	-0.022	0.50	0.048	mg/L	U	01/25/10 15:08
	Magnesium	-0.022	0.50	0.048	mg/L	U	01/25/10 15:08
	Manganese	-2.5	20	3.1	ug/L	U	01/25/10 15:08
	Manganese	-2.5	20	3.1	ug/L	U	01/25/10 15:08
	Nickel	-5.2	10	6.4	ug/L	U	01/25/10 15:08
	Nickel	-5.2	10	6.4	ug/L	U	01/25/10 15:08
	Sodium	-0.055	0.50	0.14	mg/L	U	01/25/10 15:08
	Sodium	-0.055	0.50	0.14	mg/L	U	01/25/10 15:08

* Values outside of QC limits

00114

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27004

SDG: PM011810
Project: Plainwell Mill
Instrument ID: 311
Calibration: 0A28006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A27004-CCB1	Aluminum	-0.013	0.10	0.018	mg/L	U	01/27/10 09:41
	Barium	0.0012	0.010	0.0028	mg/L	U	01/27/10 09:41
	Iron	0.0011	0.050	0.0047	mg/L	U	01/27/10 09:41
	Magnesium	0.0080	0.50	0.044	mg/L	U	01/27/10 09:41
	Manganese	-0.00022	0.010	0.0021	mg/L	U	01/27/10 09:41
	Nickel	-0.00052	0.010	0.0081	mg/L	U	01/27/10 09:41
	Sodium	0.0054	0.50	0.054	mg/L	U	01/27/10 09:41
0A27004-CCB2	Aluminum	-0.0090	0.10	0.018	mg/L	U	01/27/10 10:16
	Barium	0.0011	0.010	0.0028	mg/L	U	01/27/10 10:16
	Iron	0.0044	0.050	0.0047	mg/L	U	01/27/10 10:16
	Magnesium	0.014	0.50	0.044	mg/L	U	01/27/10 10:16
	Manganese	-0.000094	0.010	0.0021	mg/L	U	01/27/10 10:16
	Nickel	-0.00045	0.010	0.0081	mg/L	U	01/27/10 10:16
	Sodium	0.0027	0.50	0.054	mg/L	U	01/27/10 10:16
0A27004-CCB3	Aluminum	-0.0089	0.10	0.018	mg/L	U	01/27/10 11:10
	Barium	0.0011	0.010	0.0028	mg/L	U	01/27/10 11:10
	Iron	0.0072	0.050	0.0047	mg/L	J	01/27/10 11:10
	Magnesium	0.0043	0.50	0.044	mg/L	U	01/27/10 11:10
	Manganese	0.00046	0.010	0.0021	mg/L	U	01/27/10 11:10
	Nickel	0.000048	0.010	0.0081	mg/L	U	01/27/10 11:10
	Sodium	-0.0021	0.50	0.054	mg/L	U	01/27/10 11:10
0A27004-CCB4	Aluminum	-0.011	0.10	0.018	mg/L	U	01/27/10 12:06
	Barium	0.0012	0.010	0.0028	mg/L	U	01/27/10 12:06
	Iron	0.0077	0.050	0.0047	mg/L	J	01/27/10 12:06
	Magnesium	0.015	0.50	0.044	mg/L	U	01/27/10 12:06
	Manganese	0.00065	0.010	0.0021	mg/L	U	01/27/10 12:06
	Nickel	-0.0014	0.010	0.0081	mg/L	U	01/27/10 12:06
	Sodium	0.00037	0.50	0.054	mg/L	U	01/27/10 12:06
0A27004-CCB5	Aluminum	-0.010	0.10	0.018	mg/L	U	01/27/10 13:05
	Barium	0.0012	0.010	0.0028	mg/L	U	01/27/10 13:05
	Iron	0.0059	0.050	0.0047	mg/L	J	01/27/10 13:05
	Magnesium	0.0059	0.50	0.044	mg/L	U	01/27/10 13:05
	Manganese	0.000035	0.010	0.0021	mg/L	U	01/27/10 13:05

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A27004
Instrument ID: 311
Calibration: 0A28006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A27004-CCB5	Nickel	-0.00038	0.010	0.0081	mg/L	U	01/27/10 13:05
	Sodium	0.0067	0.50	0.054	mg/L	U	01/27/10 13:05
0A27004-CCB6	Aluminum	-0.011	0.10	0.018	mg/L	U	01/27/10 13:44
	Barium	0.0011	0.010	0.0028	mg/L	U	01/27/10 13:44
	Iron	0.0058	0.050	0.0047	mg/L	J	01/27/10 13:44
	Magnesium	0.0031	0.50	0.044	mg/L	U	01/27/10 13:44
	Manganese	0.00022	0.010	0.0021	mg/L	U	01/27/10 13:44
	Nickel	-0.0012	0.010	0.0081	mg/L	U	01/27/10 13:44
	Sodium	0.00055	0.50	0.054	mg/L	U	01/27/10 13:44
0A27004-CCB7	Aluminum	-0.013	0.10	0.018	mg/L	U	01/27/10 14:32
	Barium	0.0011	0.010	0.0028	mg/L	U	01/27/10 14:32
	Iron	0.0044	0.050	0.0047	mg/L	U	01/27/10 14:32
	Magnesium	0.014	0.50	0.044	mg/L	U	01/27/10 14:32
	Manganese	0.0000050	0.010	0.0021	mg/L	U	01/27/10 14:32
	Nickel	-0.0014	0.010	0.0081	mg/L	U	01/27/10 14:32
	Sodium	-0.0063	0.50	0.054	mg/L	U	01/27/10 14:32

* Values outside of QC limits

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A29026

SDG: PM011810
Project: Plainwell Mill
Instrument ID: 311
Calibration: 0A29016

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A29026-CCB1	Aluminum	-0.023	0.10	0.018	mg/L	J	01/29/10 11:23
	Magnesium	-0.016	0.50	0.044	mg/L	U	01/29/10 11:23
0A29026-CCB2	Aluminum	-0.020	0.10	0.018	mg/L	J	01/29/10 11:58
	Magnesium	-0.011	0.50	0.044	mg/L	U	01/29/10 11:58
0A29026-CCB3	Aluminum	-0.020	0.10	0.018	mg/L	J	01/29/10 12:17
	Magnesium	-0.012	0.50	0.044	mg/L	U	01/29/10 12:17

* Values outside of QC limits

00117

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25054
Instrument ID: 101
Calibration: 0A25015

Lab Sample ID	Analyte	True	Found	%R	Units
0A25054-IFA1	Aluminum	100000	98800	99	ug/L
	Aluminum	100000	98800	99	ug/L
	Barium	0.00	-1.23		ug/L
	Barium	0.00	-1.23		ug/L
	Iron	40000	39000	97	ug/L
	Iron	40000	39000	97	ug/L
	Magnesium	100	98.7	99	mg/L
	Magnesium	100	98.7	99	mg/L
	Manganese	0.00	-0.254		ug/L
	Manganese	0.00	-0.254		ug/L
	Nickel	0.00	5.94		ug/L
	Nickel	0.00	5.94		ug/L
	Sodium	0.00	-0.0159		mg/L
	Sodium	0.00	-0.0159		mg/L
0A25054-IFA2	Aluminum	0.00	90.4		ug/L
	Aluminum	0.00	90.4		ug/L
	Barium	0.00	-1.24		ug/L
	Barium	0.00	-1.24		ug/L
	Iron	0.00	9.26		ug/L
	Iron	0.00	9.26		ug/L
	Magnesium	0.00	0.0118		mg/L
	Magnesium	0.00	0.0118		mg/L
	Manganese	20000	20000	100	ug/L
	Manganese	20000	20000	100	ug/L
	Nickel	20000	20500	102	ug/L
	Nickel	20000	20500	102	ug/L
	Sodium	0.00	0.0107		mg/L
	Sodium	0.00	0.0107		mg/L
0A25054-IFB1	Aluminum	100000	99700	100	ug/L

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0A25054

Instrument ID: 101

Calibration: 0A25015

Lab Sample ID	Analyte	True	Found	%R	Units
0A25054-IFB1	Aluminum	100000	99700	100	ug/L
	Barium	500	443	89	ug/L
	Barium	500	443	89	ug/L
	Iron	40000	39300	98	ug/L
	Iron	40000	39300	98	ug/L
	Magnesium	100	99.7	100	mg/L
	Magnesium	100	99.7	100	mg/L
	Manganese	500	499	100	ug/L
	Manganese	500	499	100	ug/L
	Nickel	1000	977	98	ug/L
	Nickel	1000	977	98	ug/L
0A25054-IFB2	Aluminum	1000	1100	110	ug/L
	Aluminum	1000	1100	110	ug/L
	Magnesium	5.00	5.08	102	mg/L
	Magnesium	5.00	5.08	102	mg/L
	Manganese	20000	20000	100	ug/L
	Manganese	20000	20000	100	ug/L
	Nickel	20000	20400	102	ug/L
	Nickel	20000	20400	102	ug/L
	Sodium	5.00	5.00	100	mg/L
	Sodium	5.00	5.00	100	mg/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A27004
Instrument ID: 311
Calibration: 0A28006

Lab Sample ID	Analyte	True	Found	%R	Units
0A27004-IFA1	Aluminum	100	101	101	mg/L
	Barium	0.00	0.00149		mg/L
	Iron	40.0	39.7	99	mg/L
	Magnesium	100	98.4	98	mg/L
	Manganese	0.00	0.00202		mg/L
	Nickel	0.00	0.0000225		mg/L
	Sodium	0.00	0.0129		mg/L
0A27004-IFA2	Aluminum	0.00	0.0678		mg/L
	Barium	0.00	0.00131		mg/L
	Iron	0.00	-0.00729		mg/L
	Magnesium	0.00	-0.159		mg/L
	Manganese	20.0	20.2	101	mg/L
	Nickel	20.0	20.9	105	mg/L
	Sodium	0.00	0.0568		mg/L
0A27004-IFB1	Aluminum	100	101	101	mg/L
	Barium	0.500	0.459	92	mg/L
	Iron	40.0	40.0	100	mg/L
	Magnesium	100	99.2	99	mg/L
	Manganese	0.500	0.501	100	mg/L
	Nickel	1.00	0.978	98	mg/L
0A27004-IFB2	Aluminum	1.00	1.06	106	mg/L
	Magnesium	5.00	4.99	100	mg/L
	Manganese	20.0	19.6	98	mg/L
	Nickel	20.0	20.3	102	mg/L
	Sodium	5.00	5.12	102	mg/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0A29026

Instrument ID: 311

Calibration: 0A29016

Lab Sample ID	Analyte	True	Found	%R	Units
0A29026-IFA1	Aluminum	100	98.6	99	mg/L
	Magnesium	100	97.0	97	mg/L
0A29026-IFA2	Aluminum	0.00	0.0564		mg/L
	Magnesium	0.00	-0.191		mg/L
0A29026-IFB1	Aluminum	100	99.5	99	mg/L
	Magnesium	100	97.9	98	mg/L
0A29026-IFB2	Aluminum	1.00	1.05	105	mg/L
	Magnesium	5.00	4.96	99	mg/L

* Values outside of QC limits

: 00121

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000570
QC Batch Matrix: Water
Preparation: 3010A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000570-BLK1	01/22/10 07:00	
LCS	1000570-BS1	01/22/10 07:00	
S-VAS-56394-DR-011810-1018	1001254-01	01/22/10 07:00	

: 00122

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000572
QC Batch Matrix: Water
Preparation: General Metals Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000572-BLK1	01/22/10 07:00	
LCS	1000572-BS1	01/22/10 07:00	
S-VAS-56394-DR-011810-1018	1001254-02	01/22/10 07:00	

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000576
QC Batch Matrix: Soil
Preparation: 3050B Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000576-BLK1	01/22/10 07:00	
LCS	1000576-BS1	01/22/10 07:00	
S-SO-56394-CB-011910-081	1000576-MS1	01/22/10 07:00	
S-SO-56394-CB-011910-081	1000576-MSD1	01/22/10 07:00	
S-SO-56394-CB-011910-081	1000576-PS1	01/27/10 09:00	[Spk] 0.5005g->50mL; 4mL->4mL; Spiked 4mL
S-SO-56394-CB-011910-081	1000576-PS2	01/27/10 09:00	[Spk] 0.5005g->50mL; 0.2mL->0.2mL; Spiked 0.2mL
S-SO-56394-CB-011810-062	1001254-03	01/22/10 07:00	
S-SO-56394-CB-011810-072	1001254-04	01/22/10 07:00	
S-SO-56394-CB-011810-057	1001254-05	01/22/10 07:00	
S-SO-56394-DR-011910-1024	1001254-06	01/22/10 07:00	
S-SO-56394-CB-011910-077	1001254-07	01/22/10 07:00	
SD-SO-56394-CB-011910-077	1001254-08	01/22/10 07:00	
S-SO-56394-CB-011910-081	1001254-09	01/22/10 07:00	
S-SO-56394-CB-011910-086	1001254-10	01/22/10 07:00	

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000596 QC Batch Matrix: Soil Preparation: 3050B Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000596-BLK1	01/25/10 07:00	
LCS	1000596-BS1	01/25/10 07:00	
S-SO-56394-DR-012110-1045	1000596-MS1	01/25/10 07:00	
S-SO-56394-DR-012110-1045	1000596-MSD1	01/25/10 07:00	
S-SO-56394-DR-012110-1045	1000596-PS1	01/27/10 09:00	[Spk] 0.5116g->50mL; 4mL->4mL; Spiked 4mL
S-SO-56394-DR-012110-1045	1000596-PS2	01/27/10 09:00	[Spk] 0.5116g->50mL; 0.05mL->0.05mL; Spiked 0.05mL
S-SO-56394-DR-012110-1045	1000596-PS3	01/27/10 09:00	[Spk] 0.5116g->50mL; 0.4mL->0.4mL; Spiked 0.4mL
S-SO-56394-CB-011910-090	1001286-01	01/25/10 07:00	
S-SO-56394-CB-012010-094	1001286-02	01/25/10 07:00	
S-SO-56394-CB-012010-099	1001286-03	01/25/10 07:00	
S-SO-56394-DR-012010-1031	1001286-04	01/25/10 07:00	
S-SO-56394-DR-012010-1035	1001286-05	01/25/10 07:00	
S-SO-56394-DR-012010-1038	1001286-06	01/25/10 07:00	
S-SO-56394-DR-012110-1045	1001286-07	01/25/10 07:00	
S-SO-56394-DR-012110-1049	1001286-08	01/25/10 07:00	
SD-SO-56394-DR-012110-1049	1001286-09	01/25/10 07:00	
S-SO-56394-DR-012110-1050	1001286-10	01/25/10 07:00	
S-SO-56394-CB-012010-105	1001286-11	01/25/10 07:00	
S-SO-56394-CB-012110-107	1001286-12	01/25/10 07:00	
S-SO-56394-CB-012110-109	1001286-13	01/25/10 07:00	
S-SO-56394-CB-012110-114	1001286-14	01/25/10 07:00	
S-SO-56394-CB-012110-116	1001286-15	01/25/10 07:00	
S-SO-56394-CB-012110-118	1001286-16	01/25/10 07:00	

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000570-BLK1
File ID: 0A25054-016
Prepared: 01/22/10 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
Analyzed: 01/25/10 14:44
Instrument: 101
QC Batch: 1000570
Sequence: 0A25054
Calibration: 0A25015

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

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000572-BLK1
File ID: 0A25054-019
Prepared: 01/22/10 07:00
Preparation: General Metals Prep
Initial/Final: 25 mL / 25 mL
Analyzed: 01/25/10 14:54
Instrument: 101
QC Batch: 1000572
Sequence: 0A25054
Calibration: 0A25015

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

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000576-BLK1
File ID: 0A27004-015
Prepared: 01/22/10 07:00
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 50 mL
Analyzed: 01/27/10 10:20
Instrument: 311
QC Batch: 1000576
Sequence: 0A27004
Calibration: 0A28006

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

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000596-BLK1
File ID: 0A27004-031
Prepared: 01/25/10 07:00
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 50 mL
Analyzed: 01/27/10 11:34
Instrument: 311
QC Batch: 1000596
Sequence: 0A27004
Calibration: 0A28006

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7429-90-5	Aluminum, Total	1.8	10	10	mg/kg dry wt.	U
7440-39-3	Barium, Total	0.28	1.0	1.0	mg/kg dry wt.	U
7439-89-6	Iron, Total	0.47	5.0	0.70	mg/kg dry wt.	J
7439-95-4	Magnesium, Total	4.4	50	50	mg/kg dry wt.	U
7439-96-5	Manganese, Total	0.21	1.0	1.0	mg/kg dry wt.	U
7440-02-0	Nickel, Total	0.81	1.0	1.0	mg/kg dry wt.	U
7440-23-5	Sodium, Total	5.4	50	50	mg/kg dry wt.	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6010B

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5031 g / 50 mL

Laboratory ID: 1000576-MS1

QC Batch: 1000576

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Aluminum, Total	124	3690	4520	666 *	75 - 125	mg/kg dry wt.
Barium, Total	24.8	95.5	118	90	75 - 125	mg/kg dry wt.
Iron, Total	24.8	4040	3860	-725 *	75 - 125	mg/kg dry wt.
Magnesium, Total	1240	707	2060	109	75 - 125	mg/kg dry wt.
Manganese, Total	24.8	30.2	56.7	107	75 - 125	mg/kg dry wt.
Nickel, Total	24.8	3.59	30.3	108	75 - 125	mg/kg dry wt.
Sodium, Total	1240	31.8	1340	105	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

: 00130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011910-081

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.501 g / 50 mL

Laboratory ID: 1000576-MSD1

QC Batch: 1000576

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Aluminum, Total	125	4830	915 *	7	20	75 - 125	mg/kg dry wt.
Barium, Total	25.0	124	114	5	20	75 - 125	mg/kg dry wt.
Iron, Total	25.0	4340	1200 *	12	20	75 - 125	mg/kg dry wt.
Magnesium, Total	1250	2150	116	5	20	75 - 125	mg/kg dry wt.
Manganese, Total	25.0	61.3	125	8	20	75 - 125	mg/kg dry wt.
Nickel, Total	25.0	30.1	106	0.8	20	75 - 125	mg/kg dry wt.
Sodium, Total	1250	1310	103	2	20	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012110-1045

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5229 g / 50 mL

Laboratory ID: 1000596-MS1

QC Batch: 1000596

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Barium, Total	23.9	26.0	44.8	78	75 - 125	mg/kg dry wt.
Iron, Total	23.9	13300	11000	-9310 *	75 - 125	mg/kg dry wt.
Manganese, Total	23.9	800	698	-425 *	75 - 125	mg/kg dry wt.
Nickel, Total	23.9	13.6	34.8	89	75 - 125	mg/kg dry wt.
Sodium, Total	1200	129	1290	97	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

: 00132

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012110-1045

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5035 g / 50 mL

Laboratory ID: 1000596-MSD1

QC Batch: 1000596

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Barium, Total	24.8	44.8	76	0.1	20	75 - 125	mg/kg dry wt.
Iron, Total	24.8	14300	4120 *	26 *	20	75 - 125	mg/kg dry wt.
Manganese, Total	24.8	691	-441 *	1	20	75 - 125	mg/kg dry wt.
Nickel, Total	24.8	36.7	93	5	20	75 - 125	mg/kg dry wt.
Sodium, Total	1240	1360	99	5	20	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 92.31
Laboratory ID: 1000576-PS1
Lab Source ID: 1001254-09

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.04004 g / 4 mL
QC Batch: 1000576
Sequence: 0A27004

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Barium, Total	80 - 120	1.18	0.956	0.250	89	mg/L
Magnesium, Total	80 - 120	19.2	7.08	12.5	97	mg/L
Manganese, Total	80 - 120	0.536	0.302	0.250	93	mg/L
Nickel, Total	80 - 120	0.275	0.0359	0.250	96	mg/L
Sodium, Total	80 - 120	12.5	0.318	12.5	97	mg/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Preparation: 3050B Digestion
% Solids: 92.31
Initial/Final: 0.002002 g / 0.2 mL
Laboratory ID: 1000576-PS2
QC Batch: 1000576
Lab Source ID: 1001254-09
Sequence: 0A27004

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Aluminum, Total	80 - 120	96.1	37.0	62.5	95	mg/L
Iron, Total	80 - 120	52.6	40.4	12.5	98	mg/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 93.43
Laboratory ID: 1000596-PS1
Lab Source ID: 1001286-07

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.040928 g / 4 mL
QC Batch: 1000596
Sequence: 0A27004

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Barium, Total	80 - 120	0.503	0.266	0.250	95	mg/L
Manganese, Total	80 - 120	8.40	8.19	0.250	83	mg/L
Nickel, Total	80 - 120	0.362	0.139	0.250	89	mg/L
Sodium, Total	80 - 120	13.7	1.32	12.5	99	mg/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 93.43
Laboratory ID: 1000596-PS2
Lab Source ID: 1001286-07

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.0005116 g / 0.05 mL
QC Batch: 1000596
Sequence: 0A27004

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Iron, Total	80 - 120	184	136	50.0	96	mg/L

* Values outside of QC limits

: 00137

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 93.43
Laboratory ID: 1000596-PS3
Lab Source ID: 1001286-07

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.0040928 g / 0.4 mL
QC Batch: 1000596
Sequence: 0A29026

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Aluminum, Total	80 - 120	76.4	46.6	31.2	95	mg/L
Magnesium, Total	80 - 120	690	392	312	95	mg/L

* Values outside of QC limits

: 00138

LCS / LCS DUPLICATE RECOVERY

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

Laboratory ID: 1000570-BS1

SDG: PM011810

Project: Plainwell Mill

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

QC Batch: 1000570

Sequence: 0A25054

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, Total	2000	1760	88	80 - 120	ug/L
Barium, Total	400	356	89	80 - 120	ug/L
Iron, Total	400	355	89	80 - 120	ug/L
Magnesium, Total	20.0	17.8	89	80 - 120	mg/L
Manganese, Total	400	357	89	80 - 120	ug/L
Nickel, Total	400	360	90	80 - 120	ug/L
Sodium, Total	20.0	17.9	90	80 - 120	mg/L

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

* Values outside of QC limits

: 00139

LCS / LCS DUPLICATE RECOVERY

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

Laboratory ID: 1000572-BS1

SDG: PM011810

Project: Plainwell Mill

Preparation: General Metals Prep

Initial/Final: 25 mL / 25 mL

QC Batch: 1000572

Sequence: 0A25054

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, Dissolved	2000	1860	93	80 - 120	ug/L
Barium, Dissolved	400	377	94	80 - 120	ug/L
Iron, Dissolved	400	373	93	80 - 120	ug/L
Magnesium, Dissolved	20.0	19.0	95	80 - 120	mg/L
Manganese, Dissolved	400	378	94	80 - 120	ug/L
Nickel, Dissolved	400	379	95	80 - 120	ug/L
Sodium, Dissolved	20.0	18.9	94	80 - 120	mg/L

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

* Values outside of QC limits

: 00140

LCS / LCS DUPLICATE RECOVERY
USEPA-6010B

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

Laboratory ID: 1000576-BS1

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 50 mL
QC Batch: 1000576
Sequence: 0A27004

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, Total	125	123	98	80 - 120	mg/kg dry wt.
Barium, Total	25.0	24.8	99	80 - 120	mg/kg dry wt.
Iron, Total	25.0	25.3	101	80 - 120	mg/kg dry wt.
Magnesium, Total	1250	1260	101	80 - 120	mg/kg dry wt.
Manganese, Total	25.0	25.0	100	80 - 120	mg/kg dry wt.
Nickel, Total	25.0	25.2	101	80 - 120	mg/kg dry wt.
Sodium, Total	1250	1230	99	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-6010B

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

Laboratory ID: 1000596-BS1

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 50 mL
QC Batch: 1000596
Sequence: 0A27004

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, Total	125	125	100	80 - 120	mg/kg dry wt.
Barium, Total	25.0	25.4	101	80 - 120	mg/kg dry wt.
Iron, Total	25.0	26.3	105	80 - 120	mg/kg dry wt.
Magnesium, Total	1250	1280	102	80 - 120	mg/kg dry wt.
Manganese, Total	25.0	25.1	101	80 - 120	mg/kg dry wt.
Nickel, Total	25.0	25.1	100	80 - 120	mg/kg dry wt.
Sodium, Total	1250	1250	100	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

SERIAL DILUTION
USEPA-6010B

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 92.31
Laboratory ID: 0A27004-SRD1
QC Batch: 0A27004
Lab Source ID: 1001254-09
Sequence: 0A27004

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Barium, Total	0.956		0.960		0.0		mg/L	10
Magnesium, Total	7.08		7.18		1.0		mg/L	10
Manganese, Total	0.302		0.309		2.0		mg/L	10
Nickel, Total	0.0359		0.0352	U	2.0 #		mg/L	10
Sodium, Total	0.318	J	0.322	J	1.0 #		mg/L	10

* Values outside of QC limits

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

: 00143

SERIAL DILUTION
USEPA-6010B

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 93.43
Laboratory ID: 0A27004-SRD2
QC Batch: 0A27004
Lab Source ID: 1001286-07
Sequence: 0A27004

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Barium, Total	0.266		0.275		3.0		mg/L	10
Manganese, Total	8.19		8.80		7.0		mg/L	10
Nickel, Total	0.139		0.147		6.0 #		mg/L	10
Sodium, Total	1.32		1.33	J	1.0 #		mg/L	10

* Values outside of QC limits

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

SERIAL DILUTION
USEPA-6010B

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 92.31
Laboratory ID: 0A27004-SRD3
QC Batch: 0A27004
Lab Source ID: 1001254-09
Sequence: 0A27004

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Aluminum, Total	0.739		0.652		12.0 #		mg/L	10
Iron, Total	0.809		0.802		1.0		mg/L	10

* Values outside of QC limits

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

SERIAL DILUTION
USEPA-6010B

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 93.43
Laboratory ID: 0A27004-SRD4
QC Batch: 0A27004
Lab Source ID: 1001286-07
Sequence: 0A27004

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Iron, Total	0.679		0.706		4.0		mg/L	10

* Values outside of QC limits

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

00146

SERIAL DILUTION

USEPA-6010B

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

% Solids: 93.43

Laboratory ID: 0A29026-SRD1

QC Batch: 0A29026

Lab Source ID: 1001286-07

Sequence: 0A29026

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Aluminum, Total	1.86		1.77		5.0		mg/L	10
Magnesium, Total	15.7		15.6		1.0		mg/L	10

* Values outside of QC limits

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

: 00147

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Dissolved Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	

: 00148

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	

00149

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/27/10	8	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/27/10	8	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/27/10	8	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/27/10	8	180	

00151

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/27/10	8	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/27/10	8	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/27/10	8	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/27/10	8	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	

00152

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	

: 00153

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/29/10	8	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/29/10	8	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	

00154

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/27/10	7	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/27/10	6	180	

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

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

ICP-AES Instrument ID: 101

Date: 10-06-09

Time: 13:24

69157

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

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

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

ICP-AES Instrument ID: 101

Date: 10-6-09

Time: 13:24

99159

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

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

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

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	

00159

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

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

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												

S0160

ICP-AES LINEAR RANGES
USEPA-6010B/200.7

Laboratory: TriMatrix SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

ICP-AES Instrument ID: 101

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

Comments:

ICP-AES LINEAR RANGES
USEPA-6010B/200.7

Laboratory: TriMatrix SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

ICP-AES Instrument ID: 311

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

Comments:

Metals, Water, 3010A Digestion

00153

Batch comments:

MAS 01/22/10 7:00AM-4;00PM
INST#217@93.9C#223
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	*Container*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*Client* Source ID	*Client* Spike ID	*Client* uL Spike	*Comments*
1000570-BLK1		Jan-22-10 07:00	MAS	25	25				
1000570-BS1		Jan-22-10 07:00	MAS	25	25		9100970	200	
1001254-01	A	Jan-22-10 07:00	MAS	25	25	SulTRAC			

Al Total 6010B *Ba Total 6010B* *Fe Total 6010B* *Mg Total 6010B* *Mn Total 6010B* *Na Total 6010B* *Ni Total 6010B*

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1000572** Page 1 of 1

Printed: 2/5/2010 8:51:44AM

Metals, Water, General Metals Prep

Batch comments:

MAS 01/22/10 7:00AM-4;00PM
INST#217@93.9C#223
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	*Container*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*Client* Source ID	*Client* Spike ID	*Client* uL Spike	*Comments*
1000572-BLK1		Jan-22-10 07:00	MAS	25	25				
1000572-BS1		Jan-22-10 07:00	MAS	25	25		9100970	200	
1001254-02	A	Jan-22-10 07:00	MAS	25	25	SulTRAC			

Al Diss 6010B *Ba Diss 6010B* *Fe Diss 6010B* *Mg Diss 6010B* *Mn Diss 6010B* *Na Diss 6010B* *Ni Diss 6010B*

Comments:	Analyst Initials:

bch_TM_byAnalysis.rpt

Metals, Soil, 3050B Digestion

50165

Batch comments:

MAS 01/22/10 7:00AM-4;00PM
INST#218@92.4C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	*Container*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*Client* Source ID	*Client* Spike ID	*Client* uL Spike	*Comments*
1000576-BLK1		Jan-22-10 07:00	MAS	0.5	50				
1000576-BS1		Jan-22-10 07:00	MAS	0.5	50		9100970	250	
1000576-MS1		Jan-22-10 07:00	MAS	0.5031	50	1001254-09	9100970	250	
1000576-MSD1		Jan-22-10 07:00	MAS	0.501	50	1001254-09	9100970	250	
1000576-PS1		Jan-27-10 09:00	JMF	0.04004	4	1001254-09	9050565	20	[Spk] 0.5005g->50mL; 4mL->4mL; Spikec
1000576-PS2		Jan-27-10 09:00	JMF	).00200:	0.2	1001254-09	9050565	50	[Spk] 0.5005g->50mL; 0.2mL->0.2mL; Sp
1001254-03	A	Jan-22-10 07:00	MAS	0.5048	50	SulTRAC			
Al Total 6010B		*Ba Total 6010B*		*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*
1001254-04	A	Jan-22-10 07:00	MAS	0.505	50	SulTRAC			
Al Total 6010B		*Ba Total 6010B*		*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*
1001254-05	A	Jan-22-10 07:00	MAS	0.5065	50	SulTRAC			
Al Total 6010B		*Ba Total 6010B*		*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*
1001254-06	A	Jan-22-10 07:00	MAS	0.521	50	SulTRAC			
Al Total 6010B		*Ba Total 6010B*		*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*
1001254-07	A	Jan-22-10 07:00	MAS	0.5421	50	SulTRAC			
Al Total 6010B		*Ba Total 6010B*		*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*
1001254-08	A	Jan-22-10 07:00	MAS	0.5287	50	SulTRAC			
Al Total 6010B		*Ba Total 6010B*		*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*
1001254-09	A	Jan-22-10 07:00	MAS	0.5005	50	SulTRAC			
Al Total 6010B		*Ba Total 6010B*		*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*
1001254-10	A	Jan-22-10 07:00	MAS	0.5036	50	SulTRAC			
Al Total 6010B		*Ba Total 6010B*		*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*

Comments:	Analyst Initials:

Metals, Soil, 3050B Digestion

Batch comments:

MAS 01/25/10 7:00AM-4:00PM
INST#218@92.9C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1000596-BLK1		Jan-25-10 07:00	MAS	0.5	50				
1000596-BS1		Jan-25-10 07:00	MAS	0.5	50		9100970	250	
1000596-MS1		Jan-25-10 07:00	MAS	0.5229	50	1001286-07	9100970	250	
1000596-MSD1		Jan-25-10 07:00	MAS	0.5035	50	1001286-07	9100970	250	
1000596-PS1		Jan-27-10 09:00	JMF	).04092(	4	1001286-07	9050565	20	[Spk] 0.5116g->50mL; 4mL->4mL; Spikec
1000596-PS2		Jan-27-10 09:00	JMF	.000511	0.05	1001286-07	9050565	50	[Spk] 0.5116g->50mL; 0.05mL->0.05mL; :
1000596-PS3		Jan-27-10 09:00	JMF	.004092	0.4	1001286-07	9050565	50	[Spk] 0.5116g->50mL; 0.4mL->0.4mL; Sp
1001286-01	A	Jan-25-10 07:00	MAS	0.5016	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001286-02	A	Jan-25-10 07:00	MAS	0.5025	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001286-03	A	Jan-25-10 07:00	MAS	0.5024	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001286-04	A	Jan-25-10 07:00	MAS	0.5124	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001286-05	A	Jan-25-10 07:00	MAS	0.5079	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001286-06	A	Jan-25-10 07:00	MAS	0.504	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001286-07	A	Jan-25-10 07:00	MAS	0.5116	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001286-07RE1	A	Jan-25-10 07:00		0.5116	50	SulTRAC			Added for SequenceQC in: 0A27004 Added for SequenceQC in: 0A27004
Al Total 6010B	*Mg Total 6010B*								

Comments:

Analyst Initials:

Metals, Soil, 3050B Digestion

00167

Batch comments:
MAS 01/25/10 7:00AM-4:00PM
INST#218@92.9C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1001286-08	A	Jan-25-10 07:00	MAS	0.5055	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001286-09	A	Jan-25-10 07:00	MAS	0.5132	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001286-10	A	Jan-25-10 07:00	MAS	0.504	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001286-11	A	Jan-25-10 07:00	MAS	0.5165	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001286-12	A	Jan-25-10 07:00	MAS	0.507	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001286-13	A	Jan-25-10 07:00	MAS	0.5127	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001286-14	A	Jan-25-10 07:00	MAS	0.5086	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001286-15	A	Jan-25-10 07:00	MAS	0.525	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001286-16	A	Jan-25-10 07:00	MAS	0.5031	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			

Comments:	Analyst Initials:

[illegible] 1/28

Due 2-2

Calib: OA25015

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 101

Date: 1-26-10

Analyst: KW

Data File: OA25054

Calibration BLK/ICB/CCB: 5%HNO3/1109060/5%HCL/4109050

Internal Standard #: 9090788

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/~~9120005~~ 0010740
12. IFA2/9120708
13. IFB1/~~9120667~~ 0010437
14. IFB2/0010316

Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
1/17	1000570-BLK1				35/51				
2/18	BS1				36/52				
3/19	1001254-01				37/53				
4/20	1000572-BLK1				38/54				
5/21	BS1				39/55				
6/22	1001254-02				40/56				
7/23					41/57				
8/24					42/58				
9/25					43/59				
10/26					44/60				
11/27					45/61				
12/28					46/62				
13/29					47/63				
14/30					48/64				
15/31					49/65				
16/32					50/66				
17/33					51/67				
18/34					52/68				
19/35					53/69				
20/36					54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Method - AQU_6010C_101
SIF File - 0a25054

Seq #	A/S Loc	ID	Category
1	1	IS Init	IS Init.
2	1	0A25054-CAL1	Calib Blank
3	2	0A25054-CAL2	Calib Std.
4	3	0A25054-CAL3	Calib Std.
5	4	0A25054-CAL4	Calib Std.
6	5	0A25054-CAL5	Calib Std.
7	9	0A25054-SCV1	QC
8	1	0A25054-CCB	QC
9	10	0A25054-CRL1	QC
10	11	0A25054-IFA1	QC
11	12	0A25054-IFA2	QC
12	13	0A25054-IFB1	QC
13	14	0A25054-IFB2	QC
14	4	0A25054-CCV	QC
15	1	0A25054-CCB	QC
16	17	1000570-BLK1	Sample
17	18	1000570-BS1	Sample
18	19	1001254-01	Sample
19	20	1000572-BLK1	Sample
20	21	1000572-BS1	Sample
21	22	1001254-02	Sample
22	4	0A25054-CCV	QC
23	1	0A25054-CCB	QC

Calibration Summary
Method: AQU_6010C_101 Date: 1/25/10 1:53:51 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.

Method: AQU_6010C_101 IEC: IEC-35.IEC MSF:
Results: 0A25054 Spectra Stored: Yes Method Stored: Yes
Sample Info: 0a25054 User: User1 Date: 1/25/10 1:53:51 PM
Method Description: Aqueous 6010C

Replicate Data
ID: IS Init Date: 1/25/10 1:55:01 PM

Repl#	Element	Net Intensity	Corrected Intensity
1	Sc 357.253	480735.1	480735.1
1	Y 360.064	291992.1	291992.1
2	Sc 357.253	475801.7	475801.7
2	Y 360.064	288834.6	288834.6

Mean Data
ID: IS Init Seq. No.: 1 A/S Pos: 1
Data: Original Date: 1/25/10 1:55:01 PM

Element	Mean Corr. Intensity	Std.Dev.	RSD
Sc 357.253	478268.4	3488.43	0.73%
Y 360.064	290413.3	2232.70	0.77%

Replicate Data
ID: 0A25054-CAL1 Date: 1/25/10 1:55:59 PM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Sc 357.253	485668.4	485668.4	101.5	µg/L
1	Y 360.064	296424.8	296424.8	102.1	µg/L
1	Ag 328.068	-134.0	-132.0	0	µg/L
1	Al 396.140	236.4	232.8	0	µg/L
1	As 188.979	0.8	0.8	0	µg/L
1	B 249.773	169.7	167.1	0	µg/L
1	Ba 455.403	8216.4	8091.2	0	µg/L
1	Be 234.861	80.7	79.4	0	µg/L
1	Ca 315.887	-421.3	-414.9	0	mg/L
1	Cd 214.438	38.7	38.1	0	µg/L
1	Ce 413.765	-28.2	-27.7	0	µg/L
1	Co 228.616	-10.9	-10.7	0	µg/L
1	Cr 205.560	37.5	37.0	0	µg/L
1	Cu 327.394	8.0	7.9	0	µg/L
1	Fe 238.204	90.4	89.0	0	µg/L
1	K 766.514	2020.5	1989.7	0	mg/L
1	Li 670.781	262.5	258.5	0	µg/L
1	Mg 279.074	6.1	6.0	0	mg/L
1	Mn 257.610	-202.7	-199.6	0	µg/L
1	Mo 202.031	9.8	9.7	0	µg/L
1	Na 589.594	4091.3	4029.0	0	mg/L
1	Ni 231.603	65.5	64.5	0	µg/L
1	Pb 220.353	-10.9	-10.7	0	µg/L
1	Sb 206.831	-10.1	-9.9	0	µg/L
1	Se 196.026	80.2	78.9	0	µg/L
1	Si 251.611	1813.5	1785.8	0	µg/L
1	Sn 189.933	0.3	0.3	0	µg/L
1	Sr 407.771	1081.3	1064.8	0	µg/L
1	Ti 334.941	1715.7	1689.5	0	µg/L
1	Tl 190.800	25.2	24.8	0	µg/L
1	V 292.402	-336.9	-331.7	0	µg/L

1	Zn 206.200	-15.7	-15.5	0	µg/L
2	Sc 357.253	472244.4	472244.4	98.7	µg/L
2	Y 360.064	286718.2	286718.2	98.7	µg/L
2	Ag 328.068	-147.2	-149.1	0	µg/L
2	Al 396.140	217.7	220.5	0	µg/L
2	As 188.979	8.3	8.4	0	µg/L
2	B 249.773	163.1	165.2	0	µg/L
2	Ba 455.403	8178.1	8282.5	0	µg/L
2	Be 234.861	83.7	84.8	0	µg/L
2	Ca 315.887	-528.9	-535.6	0	mg/L
2	Cd 214.438	51.2	51.9	0	µg/L
2	Ce 413.765	64.9	65.7	0	µg/L
2	Co 228.616	6.2	6.2	0	µg/L
2	Cr 205.560	45.9	46.5	0	µg/L
2	Cu 327.394	-3.1	-3.2	0	µg/L
2	Fe 238.204	122.3	123.9	0	µg/L
2	K 766.514	1965.0	1990.0	0	mg/L
2	Li 670.781	358.1	362.7	0	µg/L
2	Mg 279.074	-6.2	-6.2	0	mg/L
2	Mn 257.610	-168.5	-170.7	0	µg/L
2	Mo 202.031	12.1	12.2	0	µg/L
2	Na 589.594	3985.1	4036.0	0	mg/L
2	Ni 231.603	79.2	80.2	0	µg/L
2	Pb 220.353	-1.3	-1.3	0	µg/L
2	Sb 206.831	-1.7	-1.7	0	µg/L
2	Se 196.026	73.6	74.6	0	µg/L
2	Si 251.611	1661.1	1682.3	0	µg/L
2	Sn 189.933	-2.8	-2.9	0	µg/L
2	Sr 407.771	1033.4	1046.5	0	µg/L
2	Ti 334.941	1697.2	1718.9	0	µg/L
2	Tl 190.800	15.1	15.3	0	µg/L
2	V 292.402	-308.4	-312.4	0	µg/L
2	Zn 206.200	-1.4	-1.4	0	µg/L

Mean Data

ID: 0A25054-CAL1 Seq. No.: 2 A/S Pos: 1
Data: Original Date: 1/25/10 1:55:59 PM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	478956.4	9492.25	1.98%	100.1	µg/L
Y 360.064	291571.5	6863.62	2.35%	100.4	µg/L
Ag 328.068	-140.5	12.07	8.59%	0	µg/L
Al 396.140	226.6	8.70	3.84%	0	µg/L
As 188.979	4.6	5.38	115.97%	0	µg/L
B 249.773	166.1	1.37	0.82%	0	µg/L
Ba 455.403	8186.8	135.25	1.65%	0	µg/L
Be 234.861	82.1	3.76	4.58%	0	µg/L
Ca 315.887	-475.2	85.38	17.97%	0	mg/L
Cd 214.438	45.0	9.72	21.59%	0	µg/L
Ce 413.765	19.0	66.09	347.99%	0	µg/L
Co 228.616	-2.2	11.97	539.15%	0	µg/L
Cr 205.560	41.7	6.72	16.11%	0	µg/L
Cu 327.394	2.3	7.80	334.75%	0	µg/L
Fe 238.204	106.4	24.62	23.13%	0	µg/L
K 766.514	1989.9	0.23	0.01%	0	mg/L
Li 670.781	310.6	73.71	23.73%	0	µg/L
Mg 279.074	-0.1	8.66	>999.9%	0	mg/L
Mn 257.610	-185.1	20.44	11.04%	0	µg/L
Mo 202.031	10.9	1.79	16.37%	0	µg/L
Na 589.594	4032.5	4.95	0.12%	0	mg/L
Ni 231.603	72.3	11.05	15.27%	0	µg/L
Pb 220.353	-6.0	6.66	110.98%	0	µg/L
Sb 206.831	-5.8	5.79	99.38%	0	µg/L
Se 196.026	76.8	3.09	4.03%	0	µg/L
Si 251.611	1734.1	73.24	4.22%	0	µg/L
Sn 189.933	-1.3	2.23	171.92%	0	µg/L
Sr 407.771	1055.7	12.91	1.22%	0	µg/L
Ti 334.941	1704.2	20.75	1.22%	0	µg/L
Tl 190.800	20.0	6.74	33.67%	0	µg/L
V 292.402	-322.1	13.68	4.25%	0	µg/L

Zn 206.200 -8.4 9.94 118.02% 0 µg/L

Replicate Data

ID: 0A25054-CAL2 Date: 1/25/10 1:59:19 PM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Sc 357.253	476662.1	476662.1	99.7	µg/L
1	Y 360.064	289932.0	289932.0	99.8	µg/L
1	Ag 328.068	124.3	124.7	5.00	µg/L
1	Al 396.140	668.9	671.1	50.00	µg/L
1	As 188.979	25.4	25.5	100.00	µg/L
1	B 249.773	742.7	745.2	50.00	µg/L
1	Ba 455.403	15181.7	15232.8	10.00	µg/L
1	Be 234.861	192.3	193.0	1.00	µg/L
1	Ca 315.887	4853.8	4870.2	0.500	mg/L
1	Cd 214.438	68.7	68.9	5.00	µg/L
1	Co 228.616	22.3	22.4	10.00	µg/L
1	Cr 205.560	62.4	62.6	10.00	µg/L
1	Cu 327.394	107.9	108.3	10.00	µg/L
1	Fe 238.204	187.1	187.7	10.00	µg/L
1	K 766.514	2412.3	2420.4	0.100	mg/L
1	Li 670.781	1914.9	1921.3	8.00	µg/L
1	Mg 279.074	654.6	656.8	0.500	mg/L
1	Mn 257.610	629.0	631.1	10.00	µg/L
1	Na 589.594	12597.1	12639.6	0.500	mg/L
1	Ni 231.603	86.6	86.9	10.00	µg/L
1	Pb 220.353	11.4	11.4	50.00	µg/L
1	Sb 206.831	11.9	11.9	100.00	µg/L
1	Se 196.026	73.5	73.7	100.00	µg/L
1	Si 251.611	2524.6	2533.1	100.00	µg/L
1	Sn 189.933	10.4	10.4	100.00	µg/L
1	Sr 407.771	80009.9	80279.6	50.00	µg/L
1	Tl 190.800	32.2	32.3	100.00	µg/L
1	V 292.402	-87.8	-88.1	10.00	µg/L
1	Zn 206.200	19.2	19.2	10.00	µg/L
2	Sc 357.253	475681.3	475681.3	99.5	µg/L
2	Y 360.064	289650.3	289650.3	99.7	µg/L
2	Ag 328.068	10.2	10.3	5.00	µg/L
2	Al 396.140	713.6	717.5	50.00	µg/L
2	As 188.979	18.1	18.2	100.00	µg/L
2	B 249.773	743.1	747.1	50.00	µg/L
2	Ba 455.403	15312.3	15395.6	10.00	µg/L
2	Be 234.861	171.2	172.2	1.00	µg/L
2	Ca 315.887	4821.7	4847.9	0.500	mg/L
2	Cd 214.438	82.4	82.8	5.00	µg/L
2	Co 228.616	19.9	20.0	10.00	µg/L
2	Cr 205.560	53.9	54.2	10.00	µg/L
2	Cu 327.394	132.6	133.3	10.00	µg/L
2	Fe 238.204	205.4	206.6	10.00	µg/L
2	K 766.514	2352.7	2365.5	0.100	mg/L
2	Li 670.781	1908.8	1919.2	8.00	µg/L
2	Mg 279.074	675.7	679.4	0.500	mg/L
2	Mn 257.610	636.9	640.3	10.00	µg/L
2	Na 589.594	12765.3	12834.8	0.500	mg/L
2	Ni 231.603	105.9	106.5	10.00	µg/L
2	Pb 220.353	12.5	12.5	50.00	µg/L
2	Sb 206.831	29.0	29.1	100.00	µg/L
2	Se 196.026	84.2	84.6	100.00	µg/L
2	Si 251.611	2582.5	2596.5	100.00	µg/L
2	Sn 189.933	6.9	7.0	100.00	µg/L
2	Sr 407.771	80882.4	81322.3	50.00	µg/L
2	Tl 190.800	30.8	30.9	100.00	µg/L
2	V 292.402	-168.9	-169.8	10.00	µg/L
2	Zn 206.200	17.3	17.4	10.00	µg/L

Mean Data

ID: 0A25054-CAL2 Seq. No.: 3 A/S Pos: 2

Data: Original Date: 1/25/10 1:59:19 PM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	476171.7	693.57	0.15%	99.6	µg/L
Y 360.064	289791.2	199.17	0.07%	99.8	µg/L
Ag 328.068	67.5	80.92	119.84%	5.00	µg/L
Al 396.140	694.3	32.77	4.72%	50.00	µg/L
As 188.979	21.8	5.22	23.90%	100.00	µg/L
B 249.773	746.2	1.39	0.19%	50.00	µg/L
Ba 455.403	15314.2	115.10	0.75%	10.00	µg/L
Be 234.861	182.6	14.70	8.05%	1.00	µg/L
Ca 315.887	4859.1	15.75	0.32%	0.500	mg/L
Cd 214.438	75.9	9.82	12.94%	5.00	µg/L
Co 228.616	21.2	1.70	8.02%	10.00	µg/L
Cr 205.560	58.4	5.96	10.20%	10.00	µg/L
Cu 327.394	120.8	17.68	14.64%	10.00	µg/L
Fe 238.204	197.1	13.34	6.77%	10.00	µg/L
K 766.514	2392.9	38.82	1.62%	0.100	mg/L
Li 670.781	1920.3	1.52	0.08%	8.00	µg/L
Mg 279.074	668.1	15.99	2.39%	0.500	mg/L
Mn 257.610	635.7	6.52	1.03%	10.00	µg/L
Na 589.594	12737.2	138.03	1.08%	0.500	mg/L
Ni 231.603	96.7	13.86	14.34%	10.00	µg/L
Pb 220.353	12.0	0.79	6.57%	50.00	µg/L
Sb 206.831	20.5	12.18	59.32%	100.00	µg/L
Se 196.026	79.2	7.71	9.73%	100.00	µg/L
Si 251.611	2564.8	44.84	1.75%	100.00	µg/L
Sn 189.933	8.7	2.45	28.21%	100.00	µg/L
Sr 407.771	80800.9	737.31	0.91%	50.00	µg/L
Tl 190.800	31.6	0.96	3.05%	100.00	µg/L
V 292.402	-128.9	57.73	44.77%	10.00	µg/L
Zn 206.200	18.3	1.32	7.22%	10.00	µg/L

Replicate Data

ID: 0A25054-CAL3 Date: 1/25/10 2:02:40 PM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Sc 357.253	489925.0	489925.0	102.4	µg/L
1	Y 360.064	298703.6	298703.6	102.9	µg/L
1	Ag 328.068	2777.3	2711.2	100.00	µg/L
1	Al 396.140	5091.5	4970.3	500.00	µg/L
1	As 188.979	106.4	103.8	500.00	µg/L
1	B 249.773	1451.2	1416.7	100.00	µg/L
1	Ba 455.403	80669.4	78750.1	100.00	µg/L
1	Be 234.861	1109.0	1082.6	10.00	µg/L
1	Ca 315.887	11023.7	10761.4	1.00	mg/L
1	Cd 214.438	786.1	767.4	100.00	µg/L
1	Co 228.616	361.3	352.7	100.00	µg/L
1	Cr 205.560	176.7	172.5	100.00	µg/L
1	Cu 327.394	1632.6	1593.7	100.00	µg/L
1	Fe 238.204	1128.7	1101.8	100.0	µg/L
1	K 766.514	6178.4	6031.4	1.00	mg/L
1	Li 670.781	20940.5	20442.3	100.00	µg/L
1	Mg 279.074	1453.6	1419.1	1.00	mg/L
1	Mn 257.610	8540.0	8336.8	100.00	µg/L
1	Mo 202.031	87.2	85.1	100.0	µg/L
1	Na 589.594	22350.8	21819.0	1.00	mg/L
1	Ni 231.603	272.9	266.4	100.00	µg/L
1	Pb 220.353	31.3	30.6	100.00	µg/L
1	Sb 206.831	116.8	114.0	500.00	µg/L
1	Se 196.026	152.9	149.2	500.00	µg/L
1	Si 251.611	4830.9	4715.9	500.00	µg/L
1	Sn 189.933	49.6	48.5	500.00	µg/L
1	Sr 407.771	167964.0	163967.7	100.00	µg/L
1	Ti 334.941	12082.8	11795.3	100.00	µg/L
1	Tl 190.800	115.2	112.5	500.00	µg/L
1	V 292.402	1408.8	1375.3	100.00	µg/L
1	Zn 206.200	249.3	243.3	100.00	µg/L
2	Sc 357.253	488782.7	488782.7	102.2	µg/L
2	Y 360.064	297869.1	297869.1	102.6	µg/L

2	Ag 328.068	2743.3	2684.3	100.00 µg/L
2	Al 396.140	5007.7	4900.0	500.00 µg/L
2	As 188.979	99.7	97.5	500.00 µg/L
2	B 249.773	1488.6	1456.6	100.00 µg/L
2	Ba 455.403	81130.1	79385.0	100.00 µg/L
2	Be 234.861	1093.4	1069.9	10.00 µg/L
2	Ca 315.887	11063.2	10825.2	1.00 mg/L
2	Cd 214.438	787.7	770.7	100.00 µg/L
2	Co 228.616	358.4	350.7	100.00 µg/L
2	Cr 205.560	171.3	167.7	100.00 µg/L
2	Cu 327.394	1675.1	1639.0	100.00 µg/L
2	Fe 238.204	1103.9	1080.2	100.0 µg/L
2	K 766.514	6151.1	6018.8	1.00 mg/L
2	Li 670.781	21013.8	20561.7	100.00 µg/L
2	Mg 279.074	1401.1	1371.0	1.00 mg/L
2	Mn 257.610	8593.1	8408.2	100.00 µg/L
2	Mo 202.031	80.9	79.2	100.0 µg/L
2	Na 589.594	22303.1	21823.3	1.00 mg/L
2	Ni 231.603	282.7	276.6	100.00 µg/L
2	Pb 220.353	24.0	23.5	100.00 µg/L
2	Sb 206.831	109.7	107.4	500.00 µg/L
2	Se 196.026	152.4	149.1	500.00 µg/L
2	Si 251.611	4926.3	4820.4	500.00 µg/L
2	Sn 189.933	51.2	50.1	500.00 µg/L
2	Sr 407.771	169522.6	165876.0	100.00 µg/L
2	Ti 334.941	12115.1	11854.5	100.00 µg/L
2	Tl 190.800	115.3	112.8	500.00 µg/L
2	V 292.402	1442.8	1411.7	100.00 µg/L
2	Zn 206.200	252.2	246.8	100.00 µg/L

Mean Data

ID: 0A25054-CAL3 Seq. No.: 4 A/S Pos: 3
Data: Original Date: 1/25/10 2:02:40 PM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	489353.8	807.79	0.17%	102.3	µg/L
Y 360.064	298286.4	590.08	0.20%	102.7	µg/L
Ag 328.068	2697.8	19.04	0.71%	100.00	µg/L
Al 396.140	4935.1	49.75	1.01%	500.00	µg/L
As 188.979	100.7	4.46	4.43%	500.00	µg/L
B 249.773	1436.7	28.21	1.96%	100.00	µg/L
Ba 455.403	79067.5	448.91	0.57%	100.00	µg/L
Be 234.861	1076.3	9.00	0.84%	10.00	µg/L
Ca 315.887	10793.3	45.11	0.42%	1.00	mg/L
Cd 214.438	769.0	2.35	0.31%	100.00	µg/L
Co 228.616	351.7	1.43	0.41%	100.00	µg/L
Cr 205.560	170.1	3.40	2.00%	100.00	µg/L
Cu 327.394	1616.4	32.04	1.98%	100.00	µg/L
Fe 238.204	1091.0	15.31	1.40%	100.0	µg/L
K 766.514	6025.1	8.94	0.15%	1.00	mg/L
Li 670.781	20502.0	84.47	0.41%	100.00	µg/L
Mg 279.074	1395.0	33.99	2.44%	1.00	mg/L
Mn 257.610	8372.5	50.54	0.60%	100.00	µg/L
Mo 202.031	82.1	4.20	5.11%	100.0	µg/L
Na 589.594	21821.2	3.04	0.01%	1.00	mg/L
Ni 231.603	271.5	7.20	2.65%	100.00	µg/L
Pb 220.353	27.0	4.98	18.41%	100.00	µg/L
Sb 206.831	110.7	4.70	4.24%	500.00	µg/L
Se 196.026	149.2	0.06	0.04%	500.00	µg/L
Si 251.611	4768.1	73.86	1.55%	500.00	µg/L
Sn 189.933	49.3	1.18	2.39%	500.00	µg/L
Sr 407.771	164921.8	1349.40	0.82%	100.00	µg/L
Ti 334.941	11824.9	41.87	0.35%	100.00	µg/L
Tl 190.800	112.7	0.26	0.23%	500.00	µg/L
V 292.402	1393.5	25.76	1.85%	100.00	µg/L
Zn 206.200	245.0	2.43	0.99%	100.00	µg/L

Replicate Data

ID: 0A25054-CAL4 Date: 1/25/10 2:06:05 PM

	Net	Corrected	Calib

Repl#	Element	Intensity	Intensity	Conc.	Units
1	Sc 357.253	493829.4	493829.4	103.3	µg/L
1	Y 360.064	300435.4	300435.4	103.5	µg/L
1	Ag 328.068	14258.9	13809.6	500.00	µg/L
1	Al 396.140	22130.3	21432.9	2500.00	µg/L
1	As 188.979	498.2	482.5	2500.00	µg/L
1	B 249.773	5980.0	5791.6	500.00	µg/L
1	Ba 455.403	371821.4	360105.0	500.00	µg/L
1	Be 234.861	5078.4	4918.4	50.00	µg/L
1	Ca 315.887	55896.7	54135.4	5.00	mg/L
1	Cd 214.438	3656.1	3540.9	500.00	µg/L
1	Co 228.616	1826.2	1768.7	500.00	µg/L
1	Cr 205.560	687.0	665.4	500.00	µg/L
1	Cu 327.394	8443.8	8177.7	500.00	µg/L
1	Fe 238.204	5182.2	5018.9	500.00	µg/L
1	K 766.514	22292.5	21590.0	5.00	mg/L
1	Li 670.781	98783.9	95671.2	500.00	µg/L
1	Mg 279.074	7058.7	6836.3	5.00	mg/L
1	Mn 257.610	42246.0	40914.8	500.00	µg/L
1	Mo 202.031	379.8	367.9	500.00	µg/L
1	Na 589.594	92486.5	89572.2	5.00	mg/L
1	Ni 231.603	1042.0	1009.1	500.00	µg/L
1	Pb 220.353	152.3	147.5	500.00	µg/L
1	Sb 206.831	547.4	530.1	2500.00	µg/L
1	Se 196.026	445.5	431.5	2500.00	µg/L
1	Si 251.611	16215.3	15704.3	2500.00	µg/L
1	Sn 189.933	266.9	258.5	2500.00	µg/L
1	Sr 407.771	826254.0	800218.1	500.00	µg/L
1	Ti 334.941	54037.3	52334.5	500.00	µg/L
1	Tl 190.800	468.3	453.6	2500.00	µg/L
1	V 292.402	8548.8	8279.4	500.00	µg/L
1	Zn 206.200	1208.5	1170.4	500.00	µg/L
2	Sc 357.253	492772.5	492772.5	103.0	µg/L
2	Y 360.064	300034.0	300034.0	103.3	µg/L
2	Ag 328.068	14184.4	13766.9	500.00	µg/L
2	Al 396.140	22295.5	21639.2	2500.00	µg/L
2	As 188.979	491.3	476.8	2500.00	µg/L
2	B 249.773	6018.8	5841.6	500.00	µg/L
2	Ba 455.403	375944.3	364878.9	500.00	µg/L
2	Be 234.861	5118.5	4967.8	50.00	µg/L
2	Ca 315.887	55940.5	54293.9	5.00	mg/L
2	Cd 214.438	3679.2	3570.9	500.00	µg/L
2	Co 228.616	1840.4	1786.2	500.00	µg/L
2	Cr 205.560	682.8	662.7	500.00	µg/L
2	Cu 327.394	8401.7	8154.4	500.00	µg/L
2	Fe 238.204	5257.5	5102.7	500.00	µg/L
2	K 766.514	22197.5	21544.1	5.00	mg/L
2	Li 670.781	99725.5	96790.2	500.00	µg/L
2	Mg 279.074	7069.5	6861.4	5.00	mg/L
2	Mn 257.610	42338.4	41092.2	500.00	µg/L
2	Mo 202.031	380.2	369.0	500.00	µg/L
2	Na 589.594	93690.0	90932.4	5.00	mg/L
2	Ni 231.603	1053.9	1022.9	500.00	µg/L
2	Pb 220.353	150.9	146.5	500.00	µg/L
2	Sb 206.831	548.9	532.7	2500.00	µg/L
2	Se 196.026	455.8	442.3	2500.00	µg/L
2	Si 251.611	16461.7	15977.2	2500.00	µg/L
2	Sn 189.933	269.2	261.3	2500.00	µg/L
2	Sr 407.771	835700.4	811102.8	500.00	µg/L
2	Ti 334.941	54108.2	52515.6	500.00	µg/L
2	Tl 190.800	481.8	467.6	2500.00	µg/L
2	V 292.402	8615.4	8361.8	500.00	µg/L
2	Zn 206.200	1209.9	1174.3	500.00	µg/L

Mean Data

ID: 0A25054-CAL4 Seq. No.: 5 A/S Pos: 4
Data: Original Date: 1/25/10 2:06:05 PM

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

Sc 357.253	493300.9	747.35	0.15%	103.1 µg/L
Y 360.064	300234.7	283.83	0.09%	103.4 µg/L
Ag 328.068	13788.3	30.18	0.22%	500.00 µg/L
Al 396.140	21536.1	145.89	0.68%	2500.00 µg/L
As 188.979	479.6	4.00	0.83%	2500.00 µg/L
B 249.773	5816.6	35.37	0.61%	500.00 µg/L
Ba 455.403	362492.0	3375.66	0.93%	500.00 µg/L
Be 234.861	4943.1	34.94	0.71%	50.00 µg/L
Ca 315.887	54214.7	112.12	0.21%	5.00 mg/L
Cd 214.438	3555.9	21.24	0.60%	500.00 µg/L
Co 228.616	1777.5	12.41	0.70%	500.00 µg/L
Cr 205.560	664.0	1.88	0.28%	500.00 µg/L
Cu 327.394	8166.1	16.47	0.20%	500.00 µg/L
Fe 238.204	5060.8	59.28	1.17%	500.00 µg/L
K 766.514	21567.1	32.43	0.15%	5.00 mg/L
Li 670.781	96230.7	791.29	0.82%	500.00 µg/L
Mg 279.074	6848.8	17.75	0.26%	5.00 mg/L
Mn 257.610	41003.5	125.46	0.31%	500.00 µg/L
Mo 202.031	368.4	0.79	0.22%	500.00 µg/L
Na 589.594	90252.3	961.77	1.07%	5.00 mg/L
Ni 231.603	1016.0	9.73	0.96%	500.00 µg/L
Pb 220.353	147.0	0.75	0.51%	500.00 µg/L
Sb 206.831	531.4	1.86	0.35%	2500.00 µg/L
Se 196.026	436.9	7.69	1.76%	2500.00 µg/L
Si 251.611	15840.8	192.95	1.22%	2500.00 µg/L
Sn 189.933	259.9	2.00	0.77%	2500.00 µg/L
Sr 407.771	805660.4	7696.69	0.96%	500.00 µg/L
Ti 334.941	52425.1	128.05	0.24%	500.00 µg/L
Tl 190.800	460.6	9.93	2.16%	2500.00 µg/L
V 292.402	8320.6	58.28	0.70%	500.00 µg/L
Zn 206.200	1172.3	2.78	0.24%	500.00 µg/L

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

ID: 0A25054-CAL5 Date: 1/25/10 2:09:35 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Sc 357.253	494334.2	494334.2	103.4	µg/L
1	Y 360.064	300525.9	300525.9	103.5	µg/L
1	Ag 328.068	28282.2	27363.0	1000.00	µg/L
1	Al 396.140	43661.5	42242.5	5000.00	µg/L
1	As 188.979	960.4	929.1	5000.00	µg/L
1	B 249.773	11879.1	11493.1	1000.00	µg/L
1	Ba 455.403	730140.3	706410.9	1000.00	µg/L
1	Be 234.861	9967.3	9643.3	100.00	µg/L
1	Ca 315.887	111033.2	107424.6	10.00	mg/L
1	Cd 214.438	7270.8	7034.5	1000.00	µg/L
1	Ce 413.765	7468.4	7225.7	1000.00	µg/L
1	Co 228.616	3658.2	3539.3	1000.00	µg/L
1	Cr 205.560	1297.8	1255.6	1000.00	µg/L
1	Cu 327.394	16523.4	15986.4	1000.00	µg/L
1	Fe 238.204	10244.2	9911.3	1000.00	µg/L
1	K 766.514	41904.3	40542.4	10.00	mg/L
1	Li 670.781	196088.3	189715.4	1000.00	µg/L
1	Mg 279.074	14080.2	13622.6	10.00	mg/L
1	Mn 257.610	83638.6	80920.4	1000.00	µg/L
1	Mo 202.031	748.7	724.3	1000.00	µg/L
1	Na 589.594	180947.9	175067.1	10.00	mg/L
1	Ni 231.603	2008.3	1943.0	1000.00	µg/L
1	Pb 220.353	301.9	292.1	1000.00	µg/L
1	Sb 206.831	1107.6	1071.6	5000.00	µg/L
1	Se 196.026	817.3	790.8	5000.00	µg/L
1	Si 251.611	30146.9	29167.2	5000.00	µg/L
1	Sn 189.933	536.4	519.0	5000.00	µg/L
1	Sr 407.771	1634683.3	1581556.3	1000.00	µg/L
1	Ti 334.941	106309.3	102854.2	1000.00	µg/L
1	Tl 190.800	928.0	897.9	5000.00	µg/L
1	V 292.402	17354.2	16790.2	1000.00	µg/L
1	Zn 206.200	2385.8	2308.3	1000.00	µg/L
2	Sc 357.253	490053.8	490053.8	102.5	µg/L

2	Y 360.064	298171.1	298171.1	102.7 µg/L
2	Ag 328.068	28095.7	27420.1	1000.00 µg/L
2	Al 396.140	43391.5	42348.0	5000.00 µg/L
2	As 188.979	951.1	928.2	5000.00 µg/L
2	B 249.773	11930.9	11643.9	1000.00 µg/L
2	Ba 455.403	730823.4	713247.7	1000.00 µg/L
2	Be 234.861	9931.1	9692.3	100.00 µg/L
2	Ca 315.887	110282.6	107630.3	10.00 mg/L
2	Cd 214.438	7153.5	6981.4	1000.00 µg/L
2	Ce 413.765	7426.7	7248.1	1000.00 µg/L
2	Co 228.616	3660.2	3572.1	1000.00 µg/L
2	Cr 205.560	1278.6	1247.9	1000.00 µg/L
2	Cu 327.394	16315.7	15923.4	1000.00 µg/L
2	Fe 238.204	10182.8	9937.9	1000.00 µg/L
2	K 766.514	41921.6	40913.4	10.00 mg/L
2	Li 670.781	196616.7	191888.3	1000.00 µg/L
2	Mg 279.074	13869.5	13535.9	10.00 mg/L
2	Mn 257.610	83196.3	81195.5	1000.00 µg/L
2	Mo 202.031	740.4	722.6	1000.00 µg/L
2	Na 589.594	180900.7	176550.1	10.00 mg/L
2	Ni 231.603	1954.5	1907.5	1000.00 µg/L
2	Pb 220.353	296.8	289.6	1000.00 µg/L
2	Sb 206.831	1089.4	1063.2	5000.00 µg/L
2	Se 196.026	804.6	785.3	5000.00 µg/L
2	Si 251.611	30392.1	29661.2	5000.00 µg/L
2	Sn 189.933	525.8	513.1	5000.00 µg/L
2	Sr 407.771	1636997.7	1597629.3	1000.00 µg/L
2	Ti 334.941	105537.0	102998.9	1000.00 µg/L
2	Tl 190.800	908.7	886.8	5000.00 µg/L
2	V 292.402	17227.1	16812.8	1000.00 µg/L
2	Zn 206.200	2351.7	2295.1	1000.00 µg/L

Mean Data

ID: 0A25054-CAL5 Seq. No.: 6 A/S Pos: 5
Data: Original Date: 1/25/10 2:09:35 PM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	492194.0	3026.71	0.61%	102.9	µg/L
Y 360.064	299348.5	1665.08	0.56%	103.1	µg/L
Ag 328.068	27391.5	40.34	0.15%	1000.00	µg/L
Al 396.140	42295.2	74.59	0.18%	5000.00	µg/L
As 188.979	928.7	0.66	0.07%	5000.00	µg/L
B 249.773	11568.5	106.67	0.92%	1000.00	µg/L
Ba 455.403	709829.3	4834.41	0.68%	1000.00	µg/L
Be 234.861	9667.8	34.63	0.36%	100.00	µg/L
Ca 315.887	107527.5	145.49	0.14%	10.00	mg/L
Cd 214.438	7007.9	37.50	0.54%	1000.00	µg/L
Ce 413.765	7236.9	15.87	0.22%	1000.00	µg/L
Co 228.616	3555.7	23.22	0.65%	1000.00	µg/L
Cr 205.560	1251.8	5.47	0.44%	1000.00	µg/L
Cu 327.394	15954.9	44.58	0.28%	1000.00	µg/L
Fe 238.204	9924.6	18.84	0.19%	1000.00	µg/L
K 766.514	40727.9	262.31	0.64%	10.00	mg/L
Li 670.781	190801.8	1536.44	0.81%	1000.00	µg/L
Mg 279.074	13579.3	61.27	0.45%	10.00	mg/L
Mn 257.610	81057.9	194.54	0.24%	1000.00	µg/L
Mo 202.031	723.5	1.21	0.17%	1000.00	µg/L
Na 589.594	175808.6	1048.69	0.60%	10.00	mg/L
Ni 231.603	1925.3	25.10	1.30%	1000.00	µg/L
Pb 220.353	290.8	1.73	0.59%	1000.00	µg/L
Sb 206.831	1067.4	5.94	0.56%	5000.00	µg/L
Se 196.026	788.0	3.87	0.49%	5000.00	µg/L
Si 251.611	29414.2	349.31	1.19%	5000.00	µg/L
Sn 189.933	516.0	4.14	0.80%	5000.00	µg/L
Sr 407.771	1589592.8	11365.36	0.71%	1000.00	µg/L
Ti 334.941	102926.5	102.29	0.10%	1000.00	µg/L
Tl 190.800	892.4	7.80	0.87%	5000.00	µg/L
V 292.402	16801.5	16.04	0.10%	1000.00	µg/L
Zn 206.200	2301.7	9.31	0.40%	1000.00	µg/L

Calibration Summary

Method: AQU_6010C_101 Date: 1/25/10 2:10:22 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	4	Linear	-71.8	27.5	0.00000	0.999984
Al 396.140	4	Linear	424.8	8.4	0.00000	0.999929
As 188.979	4	Linear	6.9	0.2	0.00000	0.999896
B 249.773	4	Linear	203.0	11.3	0.00000	0.999915
Ba 455.403	4	Linear	8863.9	702.2	0.00000	0.999988
Be 234.861	4	Linear	102.6	95.9	0.00000	0.999974
Ca 315.887	4	Linear	-269.8	10804.1	0.00000	0.999973
Cd 214.438	4	Linear	55.5	7.0	0.00000	0.999985
Ce 413.765	1	Linear	19.0	7.2	0.00000	1.000000
Co 228.616	4	Linear	-6.8	3.6	0.00000	0.999995
Cr 205.560	4	Linear	47.6	1.2	0.00000	0.999907
Cu 327.394	4	Linear	17.1	16.0	0.00000	0.999923
Fe 238.204	4	Linear	110.3	9.8	0.00000	0.999988
K 766.514	4	Linear	2068.5	3873.3	0.00000	0.999982
Li 670.781	4	Linear	760.2	190.3	0.00000	0.999981
Mg 279.074	4	Linear	14.9	1358.6	0.00000	0.999987
Mn 257.610	4	Linear	15.7	81.2	0.00000	0.999969
Mo 202.031	3	Linear	11.1	0.7	0.00000	0.999998
Na 589.594	4	Linear	4297.8	17161.4	0.00000	0.999994
Ni 231.603	4	Linear	80.5	1.9	0.00000	0.999952
Pb 220.353	4	Linear	-3.4	0.3	0.00000	0.999869
Sb 206.831	4	Linear	-1.4	0.2	0.00000	0.999971
Se 196.026	4	Linear	73.8	0.1	0.00000	0.999826
Si 251.611	4	Linear	1938.7	5.5	0.00000	0.999933
Sn 189.933	4	Linear	-1.4	0.1	0.00000	0.999983
Sr 407.771	4	Linear	3952.3	1589.3	0.00000	0.999977
Ti 334.941	3	Linear	1723.9	101.2	0.00000	0.999999
Tl 190.800	4	Linear	20.2	0.2	0.00000	0.999931
V 292.402	4	Linear	-303.8	17.1	0.00000	0.999989
Zn 206.200	4	Linear	2.6	2.3	0.00000	0.999919

Replicate Data

ID: 0A25054-SCV1 Date: 1/25/10 2:13:02 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	490758.7	490758.7	102.6	µg/L		
1	Y 360.064	298421.7	298421.7	102.8	µg/L		
1	Ag 328.068	14071.6	13713.4	500.986	µg/L		
1	Al 396.140	21435.2	20889.6	2438.33	µg/L		
1	As 188.979	480.7	468.5	2490.77	µg/L		
1	B 249.773	5999.3	5846.6	497.458	µg/L		
1	Ba 455.403	361013.8	351825.6	488.398	µg/L		
1	Be 234.861	5030.2	4902.2	50.0512	µg/L		
1	Ca 315.887	55811.7	54391.3	5.05712	mg/L		
1	Cd 214.438	3606.1	3514.3	496.711	µg/L		
1	Ce 413.765	85.0	82.9	8.84963	µg/L		
1	Co 228.616	1787.1	1741.6	490.587	µg/L		
1	Cr 205.560	671.1	654.0	501.167	µg/L		
1	Cu 327.394	8267.7	8057.3	502.220	µg/L		
1	Fe 238.204	5161.4	5030.0	500.412	µg/L		
1	K 766.514	21669.6	21118.0	4.91904	mg/L		
1	Li 670.781	97886.0	95394.7	497.353	µg/L		
1	Mg 279.074	7063.4	6883.6	5.05552	mg/L		
1	Mn 257.610	41738.3	40676.0	500.460	µg/L		
1	Mo 202.031	379.0	369.4	502.614	µg/L		
1	Na 589.594	91252.6	88930.2	4.93043	mg/L		
1	Ni 231.603	1043.8	1017.3	506.236	µg/L		
1	Pb 220.353	140.5	136.9	474.549	µg/L		
1	Sb 206.831	496.9	484.2	2272.19	µg/L		
1	Se 196.026	443.3	432.0	2499.10	µg/L		
1	Si 251.611	17657.6	17208.2	2771.40	µg/L		
1	Sn 189.933	267.7	260.9	2530.09	µg/L		
1	Sr 407.771	819270.7	798419.5	499.899	µg/L		
1	Ti 334.941	54604.1	53214.4	508.595	µg/L		
1	Tl 190.800	467.9	456.0	2492.62	µg/L		

1	V 292.402	8359.2	8146.5	493.229 µg/L
1	Zn 206.200	1179.2	1149.2	496.799 µg/L
2	Sc 357.253	492320.4	492320.4	102.9 µg/L
2	Y 360.064	299526.2	299526.2	103.1 µg/L
2	Ag 328.068	14071.4	13669.8	499.401 µg/L
2	Al 396.140	21537.4	20922.6	2442.27 µg/L
2	As 188.979	477.0	463.4	2463.23 µg/L
2	B 249.773	6050.3	5877.6	500.189 µg/L
2	Ba 455.403	365640.2	355204.0	493.209 µg/L
2	Be 234.861	4978.2	4836.1	49.3620 µg/L
2	Ca 315.887	55632.8	54044.9	5.02505 mg/L
2	Cd 214.438	3615.1	3511.9	496.363 µg/L
2	Ce 413.765	126.3	122.7	14.3642 µg/L
2	Co 228.616	1792.0	1740.9	490.392 µg/L
2	Cr 205.560	680.0	660.6	506.623 µg/L
2	Cu 327.394	8281.8	8045.5	501.482 µg/L
2	Fe 238.204	5130.0	4983.6	495.686 µg/L
2	K 766.514	21594.7	20978.3	4.88297 mg/L
2	Li 670.781	98949.0	96124.8	501.190 µg/L
2	Mg 279.074	7097.1	6894.5	5.06352 mg/L
2	Mn 257.610	41618.2	40430.4	497.436 µg/L
2	Mo 202.031	384.9	373.9	508.948 µg/L
2	Na 589.594	92210.5	89578.6	4.96820 mg/L
2	Ni 231.603	1045.5	1015.7	505.374 µg/L
2	Pb 220.353	153.1	148.7	514.525 µg/L
2	Sb 206.831	498.5	484.3	2272.38 µg/L
2	Se 196.026	446.7	433.9	2512.05 µg/L
2	Si 251.611	18030.0	17515.4	2827.16 µg/L
2	Sn 189.933	265.3	257.7	2499.71 µg/L
2	Sr 407.771	829703.8	806022.1	504.683 µg/L
2	Ti 334.941	54726.5	53164.5	508.102 µg/L
2	Tl 190.800	471.2	457.7	2502.46 µg/L
2	V 292.402	8400.2	8160.4	494.042 µg/L
2	Zn 206.200	1180.9	1147.2	495.910 µg/L

Mean Data

ID: 0A25054-SCV1 Seq. No.: 7 Sample No.: 1 A/S Pos: 9
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 1/25/10 2:13:02 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	491539.5	102.8	0.23	µg/L				0.22%
Y 360.064	298973.9	102.9	0.27	µg/L				0.26%
Ag 328.068	13691.6	500.193	1.1210	µg/L				0.22%
Al 396.140	20906.1	2440.30	2.781	µg/L				0.11%
As 188.979	465.9	2477.00	19.467	µg/L				0.79%
B 249.773	5862.1	498.824	1.9313	µg/L				0.39%
Ba 455.403	353514.8	490.804	3.4019	µg/L				0.69%
Be 234.861	4869.2	49.7066	0.48733	µg/L				0.98%
Ca 315.887	54218.1	5.04109	0.022682	mg/L				0.45%
Cd 214.438	3513.1	496.537	0.2462	µg/L				0.05%
Ce 413.765	102.8	11.6069	3.89936	µg/L				33.60%
Co 228.616	1741.2	490.490	0.1383	µg/L				0.03%
Cr 205.560	657.3	503.895	3.8580	µg/L				0.77%
Cu 327.394	8051.4	501.851	0.5221	µg/L				0.10%
Fe 238.204	5006.8	498.049	3.3419	µg/L				0.67%
K 766.514	21048.2	4.90100	0.025510	mg/L				0.52%
Li 670.781	95759.7	499.271	2.7133	µg/L				0.54%
Mg 279.074	6889.1	5.05952	0.005656	mg/L				0.11%
Mn 257.610	40553.2	498.948	2.1381	µg/L				0.43%
Mo 202.031	371.6	505.781	4.4784	µg/L				0.89%
Na 589.594	89254.4	4.94932	0.026708	mg/L				0.54%
Ni 231.603	1016.5	505.805	0.6093	µg/L				0.12%
Pb 220.353	142.8	494.537	28.2672	µg/L				5.72%
Sb 206.831	484.2	2272.29	0.136	µg/L				0.01%
Se 196.026	433.0	2505.58	9.161	µg/L				0.37%
Si 251.611	17361.8	2799.28	39.427	µg/L				1.41%
*QC exceeds upper limit for Si 251.611 Recovery = 111.97% Action = Continue								
Sn 189.933	259.3	2514.90	21.489	µg/L				0.85%
Sr 407.771	802220.8	502.291	3.3826	µg/L				0.67%

Ti 334.941	53189.4	508.348	0.3484 µg/L	0.07%
Tl 190.800	456.9	2497.54	6.959 µg/L	0.28%
V 292.402	8153.5	493.635	0.5754 µg/L	0.12%
Zn 206.200	1148.2	496.355	0.6288 µg/L	0.13%

Replicate Data

ID: 0A25054-CCB Date: 1/25/10 2:16:25 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	484962.4	484962.4	101.4	µg/L		
1	Y 360.064	295048.0	295048.0	101.6	µg/L		
1	Ag 328.068	-116.6	-115.0	-1.57276	µg/L		
1	Al 396.140	183.9	181.3	-29.0119	µg/L		
1	As 188.979	5.9	5.8	-5.61928	µg/L		
1	B 249.773	194.6	191.9	-0.978424	µg/L		
1	Ba 455.403	8119.5	8007.5	-1.21968	µg/L		
1	Be 234.861	86.0	84.8	-0.185539	µg/L		
1	Ca 315.887	-614.4	-605.9	-0.0311071	mg/L		
1	Cd 214.438	47.8	47.1	-1.20184	µg/L		
1	Ce 413.765	103.9	102.5	11.5668	µg/L		
1	Co 228.616	2.3	2.3	2.54407	µg/L		
1	Cr 205.560	45.6	45.0	-2.10003	µg/L		
1	Cu 327.394	6.1	6.0	-0.696529	µg/L		
1	Fe 238.204	117.4	115.8	0.559806	µg/L		
1	K 766.514	1975.3	1948.1	-0.0310988	mg/L		
1	Li 670.781	347.7	342.9	-2.19307	µg/L		
1	Mg 279.074	-7.6	-7.5	-0.0164826	mg/L		
1	Mn 257.610	-191.1	-188.5	-2.51339	µg/L		
1	Mo 202.031	2.2	2.2	-12.5814	µg/L		
1	Na 589.594	3962.3	3907.6	-0.0227400	mg/L		
1	Ni 231.603	73.9	72.9	-4.14098	µg/L		
1	Pb 220.353	4.2	4.1	25.4054	µg/L		
1	Sb 206.831	0.7	0.7	9.50634	µg/L		
1	Se 196.026	69.3	68.4	-37.5589	µg/L		
1	Si 251.611	2003.8	1976.1	6.78517	µg/L		
1	Sn 189.933	-0.6	-0.6	8.08893	µg/L		
1	Sr 407.771	1059.1	1044.5	-1.82969	µg/L		
1	Ti 334.941	1650.6	1627.8	-0.948992	µg/L		
1	Tl 190.800	29.3	28.9	49.4995	µg/L		
1	V 292.402	-248.3	-244.9	3.44094	µg/L		
1	Zn 206.200	-4.0	-4.0	-2.84374	µg/L		
2	Sc 357.253	482585.0	482585.0	100.9	µg/L		
2	Y 360.064	293435.0	293435.0	101.0	µg/L		
2	Ag 328.068	-157.6	-156.2	-3.06948	µg/L		
2	Al 396.140	297.1	294.5	-15.5333	µg/L		
2	As 188.979	3.2	3.1	-20.2592	µg/L		
2	B 249.773	223.7	221.7	1.64146	µg/L		
2	Ba 455.403	8214.1	8140.6	-1.03006	µg/L		
2	Be 234.861	74.3	73.7	-0.301159	µg/L		
2	Ca 315.887	-479.5	-475.3	-0.0190154	mg/L		
2	Cd 214.438	41.6	41.2	-2.04578	µg/L		
2	Ce 413.765	-40.1	-39.7	-8.13709	µg/L		
2	Co 228.616	-19.7	-19.6	-3.58699	µg/L		
2	Cr 205.560	52.1	51.6	3.35816	µg/L		
2	Cu 327.394	-71.9	-71.3	-5.52461	µg/L		
2	Fe 238.204	110.7	109.7	-0.0629232	µg/L		
2	K 766.514	1966.3	1948.8	-0.0309225	mg/L		
2	Li 670.781	468.4	464.2	-1.55583	µg/L		
2	Mg 279.074	-12.9	-12.8	-0.0203939	mg/L		
2	Mn 257.610	-199.9	-198.1	-2.63221	µg/L		
2	Mo 202.031	7.6	7.5	-5.10598	µg/L		
2	Na 589.594	3960.4	3925.0	-0.0217264	mg/L		
2	Ni 231.603	63.0	62.4	-9.77035	µg/L		
2	Pb 220.353	-8.0	-7.9	-15.2059	µg/L		
2	Sb 206.831	2.2	2.2	16.4600	µg/L		
2	Se 196.026	77.6	76.9	21.9467	µg/L		
2	Si 251.611	1854.1	1837.6	-18.3620	µg/L		
2	Sn 189.933	-0.2	-0.2	11.5984	µg/L		
2	Sr 407.771	1159.3	1148.9	-1.76397	µg/L		

2 Ti 334.941	1696.3	1681.1	-0.422267	µg/L
2 Tl 190.800	17.8	17.7	-14.5659	µg/L
2 V 292.402	-323.5	-320.6	-0.975997	µg/L
2 Zn 206.200	2.9	2.9	0.115447	µg/L

Mean Data

ID: 0A25054-CCB Seq. No.: 8 Sample No.: 2 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 1/25/10 2:16:25 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	483773.7	101.2	0.35	µg/L				0.35%
Y 360.064	294241.5	101.3	0.39	µg/L				0.39%
Ag 328.068	-135.6	-2.32112	1.058339	µg/L				45.60%
Al 396.140	237.9	-22.2726	9.53084	µg/L				42.79%
As 188.979	4.5	-12.9392	10.35197	µg/L				80.00%
B 249.773	206.8	0.331516	1.8525343	µg/L				558.81%
Ba 455.403	8074.0	-1.12487	0.134085	µg/L				11.92%
Be 234.861	79.2	-0.243349	0.0817553	µg/L				33.60%
Ca 315.887	-540.6	-0.0250613	0.00855018	mg/L				34.12%
Cd 214.438	44.2	-1.62381	0.596756	µg/L				36.75%
Ce 413.765	31.4	1.71484	13.932734	µg/L				812.48%
Co 228.616	-8.6	-0.521462	4.3353142	µg/L				831.38%
Cr 205.560	48.3	0.629061	3.8595227	µg/L				613.54%
Cu 327.394	-32.7	-3.11057	3.413970	µg/L				109.75%
Fe 238.204	112.7	0.248441	0.4403358	µg/L				177.24%
K 766.514	1948.4	-0.0310107	0.00012463	mg/L				0.40%
Li 670.781	403.6	-1.87445	0.450595	µg/L				24.04%
Mg 279.074	-10.1	-0.0184383	0.00276568	mg/L				15.00%
Mn 257.610	-193.3	-2.57280	0.084021	µg/L				3.27%
Mo 202.031	4.8	-8.84368	5.285905	µg/L				59.77%
Na 589.594	3916.3	-0.0222332	0.00071674	mg/L				3.22%
Ni 231.603	67.6	-6.95567	3.980569	µg/L				57.23%
Pb 220.353	-1.9	5.09974	28.716473	µg/L				563.10%
Sb 206.831	1.4	12.9832	4.91696	µg/L				37.87%
Se 196.026	72.6	-7.80611	42.076782	µg/L				539.02%
Si 251.611	1906.8	-5.78842	17.781740	µg/L				307.20%
Sn 189.933	-0.4	9.84368	2.481591	µg/L				25.21%
Sr 407.771	1096.7	-1.79683	0.046468	µg/L				2.59%
Ti 334.941	1654.4	-0.685629	0.3724511	µg/L				54.32%
Tl 190.800	23.3	17.4668	45.30112	µg/L				259.36%
V 292.402	-282.7	1.23247	3.123245	µg/L				253.41%
Zn 206.200	-0.5	-1.36414	2.092459	µg/L				153.39%

Replicate Data

ID: 0A25054-CRL1 Date: 1/25/10 2:19:46 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	491285.0	491285.0	102.7	µg/L		
1	Y 360.064	299691.0	299691.0	103.2	µg/L		
1	Ag 328.068	186.3	181.4	9.19987	µg/L		
1	Al 396.140	1371.8	1335.5	108.502	µg/L		
1	As 188.979	46.8	45.6	208.873	µg/L		
1	B 249.773	1382.6	1346.0	100.746	µg/L		
1	Ba 455.403	23081.3	22469.8	19.3755	µg/L		
1	Be 234.861	304.7	296.6	2.02336	µg/L		
1	Ca 315.887	11250.5	10952.4	1.03870	mg/L		
1	Cd 214.438	112.1	109.1	7.70168	µg/L		
1	Ce 413.765	17.2	16.8	-0.306057	µg/L		
1	Co 228.616	71.2	69.3	21.3431	µg/L		
1	Cr 205.560	69.1	67.3	16.3020	µg/L		
1	Cu 327.394	297.6	289.7	17.0284	µg/L		
1	Fe 238.204	333.1	324.3	21.7691	µg/L		
1	K 766.514	3064.0	2982.8	0.236047	mg/L		
1	Li 670.781	3543.2	3449.4	14.1329	µg/L		
1	Mg 279.074	1452.5	1414.0	1.02980	mg/L		
1	Mn 257.610	1588.7	1546.6	18.8424	µg/L		
1	Mo 202.031	150.8	146.8	190.272	µg/L		
1	Na 589.594	22335.0	21743.2	1.01655	mg/L		

1 Ni 231.603	98.1	95.5	8.12171	µg/L
1 Pb 220.353	33.3	32.5	121.236	µg/L
1 Sb 206.831	47.1	45.9	220.983	µg/L
1 Se 196.026	104.2	101.4	192.986	µg/L
1 Si 251.611	3613.8	3518.1	286.654	µg/L
1 Sn 189.933	16.1	15.7	165.201	µg/L
1 Sr 407.771	170755.8	166231.7	102.110	µg/L
1 Ti 334.941	22862.2	22256.5	202.810	µg/L
1 Tl 190.800	52.1	50.7	174.217	µg/L
1 V 292.402	43.5	42.3	20.2061	µg/L
1 Zn 206.200	53.2	51.8	21.3106	µg/L
2 Sc 357.253	488614.7	488614.7	102.2	µg/L
2 Y 360.064	298018.5	298018.5	102.6	µg/L
2 Ag 328.068	199.9	195.7	9.71862	µg/L
2 Al 396.140	1358.7	1329.9	107.841	µg/L
2 As 188.979	52.6	51.5	240.780	µg/L
2 B 249.773	1357.2	1328.5	99.2029	µg/L
2 Ba 455.403	23296.1	22802.8	19.8498	µg/L
2 Be 234.861	294.1	287.9	1.93255	µg/L
2 Ca 315.887	11271.5	11032.8	1.04561	mg/L
2 Cd 214.438	112.7	110.3	7.87149	µg/L
2 Ce 413.765	47.6	46.6	3.82872	µg/L
2 Co 228.616	56.0	54.8	17.2897	µg/L
2 Cr 205.560	77.5	75.8	23.3600	µg/L
2 Cu 327.394	280.3	274.3	16.0659	µg/L
2 Fe 238.204	321.7	314.9	20.8100	µg/L
2 K 766.514	2755.1	2696.8	0.162203	mg/L
2 Li 670.781	3734.0	3655.0	15.2135	µg/L
2 Mg 279.074	1536.7	1504.1	1.09615	mg/L
2 Mn 257.610	1587.5	1553.9	18.9326	µg/L
2 Mo 202.031	161.2	157.7	205.687	µg/L
2 Na 589.594	22263.6	21792.2	1.01940	mg/L
2 Ni 231.603	117.1	114.6	18.4091	µg/L
2 Pb 220.353	34.4	33.7	125.388	µg/L
2 Sb 206.831	49.0	47.9	230.593	µg/L
2 Se 196.026	106.5	104.3	212.893	µg/L
2 Si 251.611	3748.0	3668.7	313.986	µg/L
2 Sn 189.933	22.3	21.8	224.231	µg/L
2 Sr 407.771	172533.9	168880.5	103.777	µg/L
2 Ti 334.941	23089.7	22600.8	206.211	µg/L
2 Tl 190.800	60.0	58.8	220.398	µg/L
2 V 292.402	42.9	42.0	20.1871	µg/L
2 Zn 206.200	47.0	46.0	18.8050	µg/L

Mean Data

ID: 0A25054-CRL1 Seq. No.: 9 Sample No.: 3 A/S Pos: 10
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 1/25/10 2:19:46 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	489949.8	102.4	0.39	µg/L				0.39%
Y 360.064	298854.7	102.9	0.41	µg/L				0.40%
Ag 328.068	188.5	9.45924	0.366808	µg/L				3.88%
Al 396.140	1332.7	108.171	0.4675	µg/L				0.43%
As 188.979	48.6	224.827	22.5617	µg/L				10.04%
B 249.773	1337.2	99.9745	1.09122	µg/L				1.09%
Ba 455.403	22636.3	19.6127	0.33537	µg/L				1.71%
Be 234.861	292.2	1.97796	0.064209	µg/L				3.25%
Ca 315.887	10992.6	1.04215	0.004890	mg/L				0.47%
Cd 214.438	109.7	7.78658	0.120070	µg/L				1.54%
Ce 413.765	31.7	1.76133	2.923730	µg/L				166.00%
Co 228.616	62.1	19.3164	2.86619	µg/L				14.84%
Cr 205.560	71.6	19.8310	4.99073	µg/L				25.17%
Cu 327.394	282.0	16.5472	0.68057	µg/L				4.11%
Fe 238.204	319.6	21.2895	0.67820	µg/L				3.19%
K 766.514	2839.8	0.199125	0.0522156	mg/L				26.22%
Li 670.781	3552.2	14.6732	0.76408	µg/L				5.21%
Mg 279.074	1459.1	1.06298	0.046919	mg/L				4.41%
Mn 257.610	1550.3	18.8875	0.06375	µg/L				0.34%
Mo 202.031	152.3	197.979	10.8996	µg/L				5.51%

Na 589.594	21767.7	1.01798	0.002016 mg/L	0.20%
Ni 231.603	105.1	13.2654	7.27429 µg/L	54.84%
Pb 220.353	33.1	123.312	2.9364 µg/L	2.38%
Sb 206.831	46.9	225.788	6.7952 µg/L	3.01%
Se 196.026	102.9	202.940	14.0759 µg/L	6.94%
Si 251.611	3593.4	300.320	19.3265 µg/L	6.44%
*QC exceeds upper limit for Si 251.611		Recovery = 150.16%	Action = Continue	
Sn 189.933	18.7	194.716	41.7406 µg/L	21.44%
Sr 407.771	167556.1	102.944	1.1786 µg/L	1.14%
Ti 334.941	22428.6	204.510	2.4046 µg/L	1.18%
Tl 190.800	54.7	197.308	32.6549 µg/L	16.55%
V 292.402	42.2	20.1966	0.01343 µg/L	0.07%
Zn 206.200	48.9	20.0578	1.77177 µg/L	8.83%

Replicate Data

ID: 0A25054-IFA1 Date: 1/25/10 2:23:11 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	487647.5	487647.5	102.0	µg/L		
1	Y 360.064	295685.9	295685.9	101.8	µg/L		
1	Ag 328.068	-146.5	-143.7	-2.61402	µg/L		
1	Al 396.140	841383.5	825200.9	98270.2	µg/L		
1	As 188.979	11.9	11.7	26.0105	µg/L		
1	B 249.773	1390.5	1363.7	-2.42560	µg/L		
1	Ba 455.403	8156.2	7999.3	-1.23125	µg/L		
1	Be 234.861	527.9	517.8	-0.460803	µg/L		
1	Ca 315.887	1075917.0	1055223.6	97.7172	mg/L		
1	Cd 214.438	159.8	156.8	6.07785	µg/L		
1	Ce 413.765	221.0	216.7	27.3939	µg/L		
1	Co 228.616	60.7	59.5	3.27362	µg/L		
1	Cr 205.560	56.3	55.2	6.34707	µg/L		
1	Cu 327.394	-174.8	-171.5	-1.38812	µg/L		
1	Fe 238.204	388488.3	381016.4	38744.0	µg/L		
1	K 766.514	1988.3	1950.1	-0.0069017	mg/L		
1	Li 670.781	373.3	366.2	-2.07102	µg/L		
1	Mg 279.074	135880.9	133267.4	98.0743	mg/L		
1	Mn 257.610	8.6	8.5	-0.0893440	µg/L		
1	Mo 202.031	-0.8	-0.8	-16.7453	µg/L		
1	Na 589.594	3745.3	3673.3	-0.0204785	mg/L		
1	Ni 231.603	93.7	91.9	6.14518	µg/L		
1	Pb 220.353	-12.1	-11.9	-28.7292	µg/L		
1	Sb 206.831	-13.1	-12.8	-53.6026	µg/L		
1	Se 196.026	70.7	69.3	-30.8227	µg/L		
1	Si 251.611	4414.7	4329.8	69.5019	µg/L		
1	Sn 189.933	-37.7	-37.0	-342.612	µg/L		
1	Sr 407.771	2634.1	2583.4	-0.861362	µg/L		
1	Ti 334.941	1843.5	1808.0	0.831116	µg/L		
1	Tl 190.800	9.8	9.6	-60.4776	µg/L		
1	V 292.402	-169.0	-165.7	8.06205	µg/L		
1	Zn 206.200	0.4	0.4	-0.940312	µg/L		
2	Sc 357.253	487192.7	487192.7	101.9	µg/L		
2	Y 360.064	295384.4	295384.4	101.7	µg/L		
2	Ag 328.068	-123.3	-121.1	-1.79198	µg/L		
2	Al 396.140	849552.1	833990.1	99317.4	µg/L		
2	As 188.979	3.0	2.9	-21.4645	µg/L		
2	B 249.773	1374.4	1349.2	-4.89900	µg/L		
2	Ba 455.403	8147.2	7997.9	-1.23323	µg/L		
2	Be 234.861	582.0	571.3	0.0427179	µg/L		
2	Ca 315.887	1088010.8	1068080.8	98.9075	mg/L		
2	Cd 214.438	167.5	164.4	7.09219	µg/L		
2	Ce 413.765	101.3	99.4	11.1438	µg/L		
2	Co 228.616	47.6	46.7	-0.488217	µg/L		
2	Cr 205.560	61.9	60.7	10.8909	µg/L		
2	Cu 327.394	-95.3	-93.5	3.60845	µg/L		
2	Fe 238.204	392565.8	385374.8	39187.4	µg/L		
2	K 766.514	1969.2	1933.1	-0.0110044	mg/L		
2	Li 670.781	343.5	337.2	-2.22307	µg/L		
2	Mg 279.074	137495.1	134976.5	99.3322	mg/L		
2	Mn 257.610	-18.6	-18.2	-0.417791	µg/L		

2 Mo 202.031	0.6	0.6	-14.8086	µg/L
2 Na 589.594	3898.3	3826.9	-0.0113329	mg/L
2 Ni 231.603	92.8	91.1	5.73088	µg/L
2 Pb 220.353	-10.3	-10.1	-22.5943	µg/L
2 Sb 206.831	-7.1	-7.0	-26.2341	µg/L
2 Se 196.026	67.5	66.2	-52.5887	µg/L
2 Si 251.611	4305.6	4226.8	46.1318	µg/L
2 Sn 189.933	-31.8	-31.2	-287.348	µg/L
2 Sr 407.771	2542.3	2495.8	-0.916503	µg/L
2 Ti 334.941	1770.1	1737.6	0.136140	µg/L
2 Tl 190.800	10.7	10.5	-55.8468	µg/L
2 V 292.402	-211.2	-207.3	5.63297	µg/L
2 Zn 206.200	-2.1	-2.0	-2.00659	µg/L

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

ID: 0A25054-IFA1 Seq. No.: 10 Sample No.: 4 A/S Pos: 11
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 1/25/10 2:23:11 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	487420.1	101.9	0.07	µg/L				0.07%
Y 360.064	295535.2	101.8	0.07	µg/L				0.07%
Ag 328.068	-132.4	-2.20300	0.581265	µg/L				26.39%
Al 396.140	829595.5	98793.8	740.49	µg/L				0.75%
As 188.979	7.3	2.27300	33.569960	µg/L				>999.9%
B 249.773	1356.5	-3.66230	1.748955	µg/L				47.76%
Ba 455.403	7998.6	-1.23224	0.001400	µg/L				0.11%
Be 234.861	544.5	-0.209043	0.3560432	µg/L				170.32%
Ca 315.887	1061652.2	98.3124	0.84167	mg/L				0.86%
Cd 214.438	160.6	6.58502	0.717246	µg/L				10.89%
Ce 413.765	158.1	19.2689	11.49062	µg/L				59.63%
Co 228.616	53.1	1.39270	2.660019	µg/L				191.00%
Cr 205.560	58.0	8.61897	3.212952	µg/L				37.28%
Cu 327.394	-132.5	1.11016	3.533112	µg/L				318.25%
Fe 238.204	383195.6	38965.7	313.47	µg/L				0.80%
K 766.514	1941.6	-0.0089530	0.00290102	mg/L				32.40%
Li 670.781	351.7	-2.14704	0.107515	µg/L				5.01%
Mg 279.074	134122.0	98.7032	0.88943	mg/L				0.90%
Mn 257.610	-4.9	-0.253568	0.2322472	µg/L				91.59%
Mo 202.031	-0.1	-15.7770	1.36949	µg/L				8.68%
Na 589.594	3750.1	-0.0159057	0.00646694	mg/L				40.66%
Ni 231.603	91.5	5.93803	0.292956	µg/L				4.93%
Pb 220.353	-11.0	-25.6617	4.33797	µg/L				16.90%
Sb 206.831	-9.9	-39.9183	19.35246	µg/L				48.48%
Se 196.026	67.8	-41.7057	15.39087	µg/L				36.90%
Si 251.611	4278.3	57.8168	16.52512	µg/L				28.58%
Sn 189.933	-34.1	-314.980	39.0778	µg/L				12.41%
*QC exceeds lower limit for Sn 189.933		Action = Continue						
Sr 407.771	2539.6	-0.888932	0.0389909	µg/L				4.39%
Ti 334.941	1772.8	0.483628	0.4914227	µg/L				101.61%
Tl 190.800	10.1	-58.1622	3.27449	µg/L				5.63%
V 292.402	-186.5	6.84751	1.717613	µg/L				25.08%
Zn 206.200	-0.8	-1.47345	0.753974	µg/L				51.17%

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

ID: 0A25054-IFA2 Date: 1/25/10 2:26:38 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	495344.7	495344.7	103.6	µg/L		
1	Y 360.064	301529.3	301529.3	103.8	µg/L		
1	Ag 328.068	-1024.5	-989.2	-7.29566	µg/L		
1	Al 396.140	1288.8	1244.4	97.6477	µg/L		
1	As 188.979	36.2	35.0	21.5949	µg/L		
1	B 249.773	335.7	324.1	10.6707	µg/L		
1	Ba 455.403	8219.7	7936.3	-1.32101	µg/L		
1	Be 234.861	112.3	108.4	0.0609741	µg/L		
1	Ca 315.887	-7.3	-7.0	0.0360026	mg/L		
1	Cd 214.438	135.0	130.4	0.963204	µg/L		
1	Ce 413.765	1.7	1.7	-2.39957	µg/L		

1	Co 228.616	95.7	92.4	-3.45107	µg/L
1	Cr 205.560	24914.4	24055.6	19807.8	µg/L
1	Cu 327.394	336783.7	325173.6	20323.0	µg/L
1	Fe 238.204	199.1	192.2	8.33401	µg/L
1	K 766.514	2255.5	2177.7	0.0368510	mg/L
1	Li 670.781	841.1	812.1	0.272591	µg/L
1	Mg 279.074	139.0	134.2	0.0109967	mg/L
1	Mn 257.610	1678122.6	1620271.9	19942.6	µg/L
1	Mo 202.031	6.2	6.0	-7.21799	µg/L
1	Na 589.594	4329.1	4179.8	0.0108317	mg/L
1	Ni 231.603	38917.4	37575.7	20262.7	µg/L
1	Pb 220.353	9.7	9.3	43.0116	µg/L
1	Sb 206.831	72.1	69.6	11.8554	µg/L
1	Se 196.026	45.2	43.6	-80.4848	µg/L
1	Si 251.611	12080.4	11664.0	822.874	µg/L
1	Sn 189.933	-3.4	-3.3	-17.7744	µg/L
1	Sr 407.771	1130.6	1091.6	-1.80004	µg/L
1	Ti 334.941	2098982.2	2026623.0	20000.8	µg/L
1	Tl 190.800	-15.7	-15.2	132.998	µg/L
1	V 292.402	345641.3	333725.9	19481.1	µg/L
1	Zn 206.200	27.0	26.1	-2.48002	µg/L
2	Sc 357.253	490661.1	490661.1	102.6	µg/L
2	Y 360.064	298522.0	298522.0	102.8	µg/L
2	Ag 328.068	-1063.5	-1036.6	-8.74940	µg/L
2	Al 396.140	1151.7	1122.6	83.1440	µg/L
2	As 188.979	34.6	33.7	13.2254	µg/L
2	B 249.773	320.8	312.7	9.66119	µg/L
2	Ba 455.403	8254.3	8045.8	-1.16506	µg/L
2	Be 234.861	86.7	84.5	-0.188630	µg/L
2	Ca 315.887	-72.2	-70.4	0.0302311	mg/L
2	Cd 214.438	137.1	133.6	1.23338	µg/L
2	Ce 413.765	27.7	27.0	1.10904	µg/L
2	Co 228.616	76.3	74.4	-8.84632	µg/L
2	Cr 205.560	25295.6	24656.7	20304.1	µg/L
2	Cu 327.394	337085.6	328571.8	20535.4	µg/L
2	Fe 238.204	215.9	210.4	10.1833	µg/L
2	K 766.514	2105.8	2052.6	0.0046702	mg/L
2	Li 670.781	1039.7	1013.4	1.33068	µg/L
2	Mg 279.074	140.6	137.0	0.0125656	mg/L
2	Mn 257.610	1679918.7	1637488.9	20154.5	µg/L
2	Mo 202.031	4.3	4.2	-9.68723	µg/L
2	Na 589.594	4279.8	4171.7	0.0105564	mg/L
2	Ni 231.603	39334.3	38340.9	20676.2	µg/L
2	Pb 220.353	-3.1	-3.0	1.22525	µg/L
2	Sb 206.831	78.8	76.8	37.5730	µg/L
2	Se 196.026	42.3	41.2	-95.7755	µg/L
2	Si 251.611	13011.8	12683.2	997.453	µg/L
2	Sn 189.933	-1.8	-1.8	-3.28252	µg/L
2	Sr 407.771	1095.0	1067.3	-1.81532	µg/L
2	Ti 334.941	2102074.9	2048982.7	20221.7	µg/L
2	Tl 190.800	-32.9	-32.1	39.8907	µg/L
2	V 292.402	345943.4	337205.9	19684.1	µg/L
2	Zn 206.200	2.5	2.4	-13.0513	µg/L

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

ID: 0A25054-IFA2 Seq. No.: 11 Sample No.: 5 A/S Pos: 12

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

Data: Original Date: 1/25/10 2:26:38 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	493002.9	103.1	0.69	µg/L				0.67%
Y 360.064	300025.7	103.3	0.73	µg/L				0.71%
Ag 328.068	-1012.9	-8.02253	1.027950	µg/L				12.81%
Al 396.140	1183.5	90.3959	10.25571	µg/L				11.35%
As 188.979	34.3	17.4101	5.91808	µg/L				33.99%
B 249.773	318.4	10.1659	0.71381	µg/L				7.02%
Ba 455.403	7991.1	-1.24303	0.110275	µg/L				8.87%
Be 234.861	96.4	-0.0638279	0.17649661	µg/L				276.52%
Ca 315.887	-38.7	0.0331169	0.00408111	mg/L				12.32%
Cd 214.438	132.0	1.09829	0.191044	µg/L				17.39%

Ce 413.765	14.3	-0.645265	2.4809565	µg/L	384.49%
Co 228.616	83.4	-6.14869	3.815012	µg/L	62.05%
Cr 205.560	24356.1	20056.0	350.95	µg/L	1.75%
Cu 327.394	326872.7	20429.2	150.19	µg/L	0.74%
Fe 238.204	201.3	9.25866	1.307653	µg/L	14.12%
K 766.514	2115.2	0.0207606	0.02275525	mg/L	109.61%
Li 670.781	912.8	0.801638	0.7481855	µg/L	93.33%
Mg 279.074	135.6	0.0117812	0.00110937	mg/L	9.42%
Mn 257.610	1628880.4	20048.6	149.84	µg/L	0.75%
Mo 202.031	5.1	-8.45261	1.746011	µg/L	20.66%
Na 589.594	4175.8	0.0106941	0.00019465	mg/L	1.82%
Ni 231.603	37958.3	20469.5	292.38	µg/L	1.43%
Pb 220.353	3.1	22.1184	29.54743	µg/L	133.59%
Sb 206.831	73.2	24.7142	18.18507	µg/L	73.58%
Se 196.026	42.4	-88.1301	10.81219	µg/L	12.27%
Si 251.611	12173.6	910.163	123.4455	µg/L	13.56%
Sn 189.933	-2.5	-10.5284	10.24728	µg/L	97.33%
Sr 407.771	1079.5	-1.80768	0.010801	µg/L	0.60%
Ti 334.941	2037802.8	20111.3	156.17	µg/L	0.78%
Tl 190.800	-23.6	86.4446	65.83711	µg/L	76.16%
V 292.402	335465.9	19582.6	143.51	µg/L	0.73%
Zn 206.200	14.2	-7.76565	7.475006	µg/L	96.26%

Replicate Data

ID: 0A25054-IFB1 Date: 1/25/10 2:30:08 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	492533.8	492533.8	103.0	µg/L		
1	Y 360.064	298844.7	298844.7	102.9	µg/L		
1	Ag 328.068	28153.7	27338.3	996.147	µg/L		
1	Al 396.140	856230.5	831431.4	99012.5	µg/L		
1	As 188.979	6.7	6.6	-1.82185	µg/L		
1	B 249.773	1401.2	1360.6	-3.48480	µg/L		
1	Ba 455.403	327461.8	317977.4	440.196	µg/L		
1	Be 234.861	5513.2	5353.5	49.9305	µg/L		
1	Ca 315.887	1097525.6	1065737.8	98.6891	mg/L		
1	Cd 214.438	7146.3	6939.4	980.043	µg/L		
1	Ce 413.765	152.1	147.7	17.8377	µg/L		
1	Co 228.616	1801.6	1749.5	477.357	µg/L		
1	Cr 205.560	690.9	670.9	515.162	µg/L		
1	Cu 327.394	8037.5	7804.7	496.944	µg/L		
1	Fe 238.204	395326.2	383876.3	39034.9	µg/L		
1	K 766.514	2118.2	2056.8	0.0210527	mg/L		
1	Li 670.781	400.6	389.0	-1.95094	µg/L		
1	Mg 279.074	138678.1	134661.6	99.0996	mg/L		
1	Mn 257.610	41607.6	40402.5	497.093	µg/L		
1	Mo 202.031	-5.0	-4.8	-22.4198	µg/L		
1	Na 589.594	3335.7	3239.1	-0.0456294	mg/L		
1	Ni 231.603	1933.5	1877.5	971.091	µg/L		
1	Pb 220.353	285.3	277.1	948.636	µg/L		
1	Sb 206.831	-12.3	-12.0	-49.6390	µg/L		
1	Se 196.026	56.2	54.6	-133.589	µg/L		
1	Si 251.611	5120.3	4972.0	182.256	µg/L		
1	Sn 189.933	-31.5	-30.6	-280.846	µg/L		
1	Sr 407.771	2456.8	2385.7	-0.985764	µg/L		
1	Ti 334.941	2161.2	2098.6	3.70119	µg/L		
1	Tl 190.800	20.1	19.5	-4.18375	µg/L		
1	V 292.402	8493.2	8247.2	499.108	µg/L		
1	Zn 206.200	2301.5	2234.8	967.149	µg/L		
2	Sc 357.253	489510.3	489510.3	102.4	µg/L		
2	Y 360.064	296936.8	296936.8	102.2	µg/L		
2	Ag 328.068	28036.7	27392.8	998.127	µg/L		
2	Al 396.140	862432.9	842626.6	100346	µg/L		
2	As 188.979	27.2	26.6	106.305	µg/L		
2	B 249.773	1410.6	1378.2	-3.47778	µg/L		
2	Ba 455.403	329501.0	321933.8	445.830	µg/L		
2	Be 234.861	5521.2	5394.4	50.2863	µg/L		
2	Ca 315.887	1104802.7	1079430.2	99.9567	mg/L		
2	Cd 214.438	7175.7	7010.9	990.205	µg/L		

2 Ce 413.765	134.3	131.2	15.5421	µg/L
2 Co 228.616	1802.5	1761.1	480.397	µg/L
2 Cr 205.560	686.5	670.8	515.017	µg/L
2 Cu 327.394	8081.4	7895.8	502.766	µg/L
2 Fe 238.204	398642.4	389487.3	39605.7	µg/L
2 K 766.514	1891.7	1848.3	-0.0324654	mg/L
2 Li 670.781	442.3	432.2	-1.72403	µg/L
2 Mg 279.074	139585.8	136380.1	100.364	mg/L
2 Mn 257.610	41598.0	40642.6	500.049	µg/L
2 Mo 202.031	16.0	15.6	6.28142	µg/L
2 Na 589.594	3118.4	3046.8	-0.0566207	mg/L
2 Ni 231.603	1943.1	1898.4	982.419	µg/L
2 Pb 220.353	295.2	288.4	986.903	µg/L
2 Sb 206.831	-8.9	-8.7	-34.3150	µg/L
2 Se 196.026	73.9	72.2	-10.6686	µg/L
2 Si 251.611	4709.3	4601.2	110.241	µg/L
2 Sn 189.933	-29.8	-29.1	-266.831	µg/L
2 Sr 407.771	2507.9	2450.3	-0.945089	µg/L
2 Ti 334.941	2025.6	1979.1	2.52103	µg/L
2 Tl 190.800	15.1	14.8	-31.1787	µg/L
2 V 292.402	8524.5	8328.8	503.868	µg/L
2 Zn 206.200	2293.0	2240.4	969.551	µg/L

Mean Data

ID: 0A25054-IFB1 Seq. No.: 12 Sample No.: 6 A/S Pos: 13
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 1/25/10 2:30:08 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	491022.1	102.7	0.45	µg/L				0.44%
Y 360.064	297890.8	102.6	0.46	µg/L				0.45%
Ag 328.068	27365.5	997.137	1.4000	µg/L				0.14%
Al 396.140	837029.0	99679.5	943.20	µg/L				0.95%
As 188.979	16.6	52.2415	76.45709	µg/L				146.35%
B 249.773	1369.4	-3.48129	0.004957	µg/L				0.14%
Ba 455.403	319955.6	443.013	3.9839	µg/L				0.90%
Be 234.861	5373.9	50.1084	0.25159	µg/L				0.50%
Ca 315.887	1072584.0	99.3229	0.89636	mg/L				0.90%
Cd 214.438	6975.1	985.124	7.1855	µg/L				0.73%
Ce 413.765	139.5	16.6899	1.62324	µg/L				9.73%
Co 228.616	1755.3	478.877	2.1497	µg/L				0.45%
Cr 205.560	670.8	515.089	0.1028	µg/L				0.02%
Cu 327.394	7850.3	499.855	4.1172	µg/L				0.82%
Fe 238.204	386681.8	39320.3	403.57	µg/L				1.03%
K 766.514	1952.6	-0.0057063	0.03784301	mg/L				663.18%
Li 670.781	410.6	-1.83749	0.160450	µg/L				8.73%
Mg 279.074	135520.9	99.7320	0.89435	mg/L				0.90%
Mn 257.610	40522.6	498.571	2.0902	µg/L				0.42%
Mo 202.031	5.4	-8.06917	20.294805	µg/L				251.51%
Na 589.594	3142.9	-0.0511250	0.00777208	mg/L				15.20%
Ni 231.603	1888.0	976.755	8.0101	µg/L				0.82%
Pb 220.353	282.7	967.769	27.0589	µg/L				2.80%
Sb 206.831	-10.3	-41.9770	10.83573	µg/L				25.81%
Se 196.026	63.4	-72.1289	86.91799	µg/L				120.50%
Si 251.611	4786.6	146.248	50.9222	µg/L				34.82%
Sn 189.933	-29.8	-273.839	9.9098	µg/L				3.62%
Sr 407.771	2418.0	-0.965427	0.0287614	µg/L				2.98%
Ti 334.941	2038.8	3.11111	0.834504	µg/L				26.82%
Tl 190.800	17.1	-17.6812	19.08830	µg/L				107.96%
V 292.402	8288.0	501.488	3.3659	µg/L				0.67%
Zn 206.200	2237.6	968.350	1.6985	µg/L				0.18%

Replicate Data

ID: 0A25054-IFB2 Date: 1/25/10 2:33:37 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	493481.8	493481.8	103.2	µg/L		
1	Y 360.064	299773.3	299773.3	103.2	µg/L		
1	Ag 328.068	-1035.1	-1003.2	-7.87689	µg/L		

1	Al 396.140	9944.5	9637.9	1097.72	µg/L
1	As 188.979	239.2	231.8	1084.12	µg/L
1	B 249.773	11400.8	11049.3	956.063	µg/L
1	Ba 455.403	8408.1	8148.9	-1.01822	µg/L
1	Be 234.861	109.6	106.2	0.0379340	µg/L
1	Ca 315.887	56697.8	54949.8	5.12067	mg/L
1	Cd 214.438	134.2	130.1	0.850248	µg/L
1	Ce 413.765	26.3	25.5	0.905287	µg/L
1	Co 228.616	92.3	89.4	-4.23194	µg/L
1	Cr 205.560	25063.6	24290.9	20002.3	µg/L
1	Cu 327.394	331449.8	321231.7	20076.8	µg/L
1	Fe 238.204	196.7	190.6	8.17206	µg/L
1	K 766.514	2074.9	2011.0	-0.0054126	mg/L
1	Li 670.781	943.3	914.2	0.809514	µg/L
1	Mg 279.074	7232.9	7009.9	5.07324	mg/L
1	Mn 257.610	1664348.3	1613038.7	19853.6	µg/L
1	Mo 202.031	743.0	720.1	994.691	µg/L
1	Na 589.594	92233.9	89390.5	4.97380	mg/L
1	Ni 231.603	39045.4	37841.7	20406.5	µg/L
1	Pb 220.353	-8.5	-8.2	-16.3068	µg/L
1	Sb 206.831	286.8	278.0	983.851	µg/L
1	Se 196.026	178.0	172.5	818.023	µg/L
1	Si 251.611	11019.6	10679.9	645.997	µg/L
1	Sn 189.933	-5.1	-4.9	-33.3890	µg/L
1	Sr 407.771	1690.1	1638.0	-1.45625	µg/L
1	Ti 334.941	2087230.9	2022884.4	19963.9	µg/L
1	Tl 190.800	156.1	151.3	1083.73	µg/L
1	V 292.402	343403.6	332817.0	19442.5	µg/L
1	Zn 206.200	17.3	16.8	-6.62017	µg/L
2	Sc 357.253	490862.5	490862.5	102.6	µg/L
2	Y 360.064	298266.8	298266.8	102.7	µg/L
2	Ag 328.068	-1076.0	-1048.4	-9.18785	µg/L
2	Al 396.140	9901.7	9647.7	1098.88	µg/L
2	As 188.979	246.5	240.2	1127.49	µg/L
2	B 249.773	11501.6	11206.5	969.918	µg/L
2	Ba 455.403	8549.7	8330.3	-0.759949	µg/L
2	Be 234.861	107.9	105.1	0.0267255	µg/L
2	Ca 315.887	56853.5	55394.8	5.16199	mg/L
2	Cd 214.438	127.3	124.1	-0.0363845	µg/L
2	Ce 413.765	-12.9	-12.6	-4.37403	µg/L
2	Co 228.616	84.5	82.4	-6.62707	µg/L
2	Cr 205.560	25130.2	24485.4	20162.7	µg/L
2	Cu 327.394	333998.7	325429.2	20339.1	µg/L
2	Fe 238.204	202.9	197.7	8.88929	µg/L
2	K 766.514	2086.3	2032.7	0.0003023	mg/L
2	Li 670.781	892.7	869.8	0.575763	µg/L
2	Mg 279.074	7203.4	7018.6	5.07858	mg/L
2	Mn 257.610	1675870.8	1632872.8	20097.7	µg/L
2	Mo 202.031	743.0	723.9	1000.05	µg/L
2	Na 589.594	92632.3	90255.6	5.02441	mg/L
2	Ni 231.603	38926.1	37927.3	20452.7	µg/L
2	Pb 220.353	-6.6	-6.5	-10.4346	µg/L
2	Sb 206.831	284.8	277.5	979.035	µg/L
2	Se 196.026	190.7	185.8	912.310	µg/L
2	Si 251.611	12007.5	11699.5	818.655	µg/L
2	Sn 189.933	-9.2	-8.9	-72.0313	µg/L
2	Sr 407.771	1762.0	1716.8	-1.40666	µg/L
2	Ti 334.941	2103493.1	2049523.5	20227.0	µg/L
2	Tl 190.800	141.1	137.5	1008.94	µg/L
2	V 292.402	345939.1	337063.3	19690.2	µg/L
2	Zn 206.200	2.4	2.4	-12.9708	µg/L

Mean Data

ID: 0A25054-IFB2 Seq. No.: 13 Sample No.: 7 A/S Pos: 14
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 1/25/10 2:33:37 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	492172.2	102.9	0.39	µg/L				0.38%
Y 360.064	299020.1	103.0	0.37	µg/L				0.36%

Ag 328.068	-1025.8	-8.53237	0.926988	µg/L	10.86%
Al 396.140	9642.8	1098.30	0.821	µg/L	0.07%
As 188.979	236.0	1105.81	30.665	µg/L	2.77%
B 249.773	11127.9	962.990	9.7967	µg/L	1.02%
Ba 455.403	8239.6	-0.889082	0.1826227	µg/L	20.54%
Be 234.861	105.7	0.0323297	0.00792561	µg/L	24.51%
Ca 315.887	55172.3	5.14133	0.029217	mg/L	0.57%
Cd 214.438	127.1	0.406931	0.6269435	µg/L	154.07%
Ce 413.765	6.5	-1.73437	3.733037	µg/L	215.24%
Co 228.616	85.9	-5.42950	1.693618	µg/L	31.19%
Cr 205.560	24388.2	20082.5	113.48	µg/L	0.57%
Cu 327.394	323330.4	20208.0	185.52	µg/L	0.92%
Fe 238.204	194.2	8.53068	0.507158	µg/L	5.95%
K 766.514	2021.9	-0.0025551	0.00404111	mg/L	158.16%
Li 670.781	892.0	0.692638	0.1652870	µg/L	23.86%
Mg 279.074	7014.3	5.07591	0.003772	mg/L	0.07%
Mn 257.610	1622955.8	19975.7	172.62	µg/L	0.86%
Mo 202.031	722.0	997.369	3.7874	µg/L	0.38%
Na 589.594	89823.0	4.99911	0.035788	mg/L	0.72%
Ni 231.603	37884.5	20429.6	32.73	µg/L	0.16%
Pb 220.353	-7.3	-13.3707	4.15230	µg/L	31.06%
Sb 206.831	277.8	981.443	3.4058	µg/L	0.35%
Se 196.026	179.2	865.166	66.6704	µg/L	7.71%
Si 251.611	11189.7	732.326	122.0872	µg/L	16.67%
Sn 189.933	-6.9	-52.7102	27.32425	µg/L	51.84%
Sr 407.771	1677.4	-1.43145	0.035066	µg/L	2.45%
Ti 334.941	2036203.9	20095.5	186.06	µg/L	0.93%
Tl 190.800	144.4	1046.33	52.885	µg/L	5.05%
V 292.402	334940.1	19566.4	175.17	µg/L	0.90%
Zn 206.200	9.6	-9.79547	4.490553	µg/L	45.84%

Replicate Data

ID: 0A25054-CCV Date: 1/25/10 2:37:06 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	496752.0	496752.0	103.9	µg/L		
1	Y 360.064	302489.2	302489.2	104.2	µg/L		
1	Ag 328.068	14103.6	13578.8	496.095	µg/L		
1	Al 396.140	21932.0	21115.9	2465.29	µg/L		
1	As 188.979	489.4	471.1	2505.26	µg/L		
1	B 249.773	5969.2	5747.1	488.689	µg/L		
1	Ba 455.403	370415.3	356632.5	495.243	µg/L		
1	Be 234.861	5040.3	4852.8	49.5359	µg/L		
1	Ca 315.887	55253.6	53197.7	4.94664	mg/L		
1	Cd 214.438	3655.2	3519.2	497.408	µg/L		
1	Ce 413.765	112.7	108.5	12.4057	µg/L		
1	Co 228.616	1820.1	1752.4	493.616	µg/L		
1	Cr 205.560	675.5	650.3	498.131	µg/L		
1	Cu 327.394	8213.2	7907.6	492.873	µg/L		
1	Fe 238.204	5127.9	4937.1	490.960	µg/L		
1	K 766.514	22008.6	21189.7	4.93751	mg/L		
1	Li 670.781	98484.0	94819.5	494.330	µg/L		
1	Mg 279.074	6941.7	6683.4	4.90811	mg/L		
1	Mn 257.610	41842.0	40285.1	495.649	µg/L		
1	Mo 202.031	378.0	363.9	494.908	µg/L		
1	Na 589.594	91882.3	88463.4	4.90325	mg/L		
1	Ni 231.603	1031.6	993.2	493.237	µg/L		
1	Pb 220.353	153.9	148.2	512.683	µg/L		
1	Sb 206.831	555.8	535.1	2510.23	µg/L		
1	Se 196.026	452.7	435.9	2525.64	µg/L		
1	Si 251.611	16972.3	16340.8	2613.96	µg/L		
1	Sn 189.933	268.8	258.8	2509.93	µg/L		
1	Sr 407.771	823313.9	792679.3	496.287	µg/L		
1	Ti 334.941	53762.5	51762.0	494.249	µg/L		
1	Tl 190.800	469.3	451.8	2468.49	µg/L		
1	V 292.402	8484.0	8168.3	494.502	µg/L		
1	Zn 206.200	1219.7	1174.3	507.672	µg/L		
2	Sc 357.253	492672.8	492672.8	103.0	µg/L		
2	Y 360.064	299777.6	299777.6	103.2	µg/L		

2 Ag 328.068	14192.0	13777.1	503.298 µg/L	
2 Al 396.140	22341.4	21688.2	2533.48 µg/L	
2 As 188.979	490.0	475.6	2529.56 µg/L	
2 B 249.773	6132.3	5953.0	506.835 µg/L	
2 Ba 455.403	373942.8	363009.7	504.325 µg/L	
2 Be 234.861	5088.4	4939.7	50.4418 µg/L	
2 Ca 315.887	56349.8	54702.3	5.08586 mg/L	
2 Cd 214.438	3656.4	3549.5	501.766 µg/L	
2 Ce 413.765	179.1	173.9	21.4588 µg/L	
2 Co 228.616	1832.8	1779.2	501.150 µg/L	
2 Cr 205.560	675.0	655.3	502.235 µg/L	
2 Cu 327.394	8390.4	8145.1	507.705 µg/L	
2 Fe 238.204	5194.4	5042.6	501.687 µg/L	
2 K 766.514	22438.6	21782.6	5.09061 mg/L	
2 Li 670.781	99449.4	96541.8	503.381 µg/L	
2 Mg 279.074	7095.9	6888.4	5.05901 mg/L	
2 Mn 257.610	42596.5	41351.1	508.769 µg/L	
2 Mo 202.031	386.4	375.1	510.660 µg/L	
2 Na 589.594	92586.7	89879.8	4.98575 mg/L	
2 Ni 231.603	1043.9	1013.4	504.121 µg/L	
2 Pb 220.353	159.0	154.3	533.527 µg/L	
2 Sb 206.831	552.4	536.2	2515.59 µg/L	
2 Se 196.026	447.4	434.4	2515.25 µg/L	
2 Si 251.611	17161.1	16659.4	2671.79 µg/L	
2 Sn 189.933	273.8	265.8	2577.56 µg/L	
2 Sr 407.771	831574.7	807261.8	505.463 µg/L	
2 Ti 334.941	54640.6	53043.1	506.903 µg/L	
2 Tl 190.800	472.1	458.3	2505.73 µg/L	
2 V 292.402	8570.1	8319.5	503.328 µg/L	
2 Zn 206.200	1209.3	1173.9	507.504 µg/L	

Mean Data

ID: 0A25054-CCV Seq. No.: 14 Sample No.: 8 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 1/25/10 2:37:06 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	494712.4	103.4	0.60	µg/L				0.58%
Y 360.064	301133.4	103.7	0.66	µg/L				0.64%
Ag 328.068	13677.9	499.697	5.0934	µg/L				1.02%
Al 396.140	21402.0	2499.39	48.212	µg/L				1.93%
As 188.979	473.4	2517.41	17.181	µg/L				0.68%
B 249.773	5850.0	497.762	12.8317	µg/L				2.58%
Ba 455.403	359821.1	499.784	6.4216	µg/L				1.28%
Be 234.861	4896.2	49.9888	0.64059	µg/L				1.28%
Ca 315.887	53950.0	5.01625	0.098443	mg/L				1.96%
Cd 214.438	3534.3	499.587	3.0817	µg/L				0.62%
Ce 413.765	141.2	16.9322	6.40152	µg/L				37.81%
Co 228.616	1765.8	497.383	5.3274	µg/L				1.07%
Cr 205.560	652.8	500.183	2.9021	µg/L				0.58%
Cu 327.394	8026.4	500.289	10.4880	µg/L				2.10%
Fe 238.204	4989.8	496.324	7.5848	µg/L				1.53%
K 766.514	21486.1	5.01406	0.108258	mg/L				2.16%
Li 670.781	95680.6	498.856	6.4004	µg/L				1.28%
Mg 279.074	6785.9	4.98356	0.106697	mg/L				2.14%
Mn 257.610	40818.1	502.209	9.2777	µg/L				1.85%
Mo 202.031	369.5	502.784	11.1385	µg/L				2.22%
Na 589.594	89171.6	4.94450	0.058332	mg/L				1.18%
Ni 231.603	1003.3	498.679	7.6961	µg/L				1.54%
Pb 220.353	151.3	523.105	14.7391	µg/L				2.82%
Sb 206.831	535.7	2512.91	3.794	µg/L				0.15%
Se 196.026	435.1	2520.44	7.347	µg/L				0.29%
Si 251.611	16500.1	2642.87	40.889	µg/L				1.55%
Sn 189.933	262.3	2543.74	47.820	µg/L				1.88%
Sr 407.771	799970.6	500.875	6.4882	µg/L				1.30%
Ti 334.941	52402.6	500.576	8.9474	µg/L				1.79%
Tl 190.800	455.1	2487.11	26.330	µg/L				1.06%
V 292.402	8243.9	498.915	6.2403	µg/L				1.25%
Zn 206.200	1174.1	507.588	0.1188	µg/L				0.02%

Replicate Data

ID: 0A25054-CCB Date: 1/25/10 2:40:30 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	482507.3	482507.3	100.9	µg/L		
1	Y 360.064	293975.9	293975.9	101.2	µg/L		
1	Ag 328.068	-78.9	-78.2	-0.234864	µg/L		
1	Al 396.140	163.9	162.5	-31.2591	µg/L		
1	As 188.979	3.2	3.2	-19.9878	µg/L		
1	B 249.773	206.9	205.0	0.176154	µg/L		
1	Ba 455.403	8161.3	8089.6	-1.10269	µg/L		
1	Be 234.861	78.8	78.1	-0.255488	µg/L		
1	Ca 315.887	-472.8	-468.7	-0.0184047	mg/L		
1	Cd 214.438	41.4	41.0	-2.07926	µg/L		
1	Ce 413.765	104.5	103.6	11.7214	µg/L		
1	Co 228.616	-9.6	-9.5	-0.759321	µg/L		
1	Cr 205.560	45.1	44.7	-2.32708	µg/L		
1	Cu 327.394	-91.2	-90.4	-6.72033	µg/L		
1	Fe 238.204	120.3	119.2	0.909616	µg/L		
1	K 766.514	2134.0	2115.2	0.0120588	mg/L		
1	Li 670.781	374.5	371.3	-2.04422	µg/L		
1	Mg 279.074	59.8	59.2	0.0326175	mg/L		
1	Mn 257.610	-162.9	-161.4	-2.18055	µg/L		
1	Mo 202.031	5.7	5.7	-7.66145	µg/L		
1	Na 589.594	3065.0	3038.1	-0.0734061	mg/L		
1	Ni 231.603	71.1	70.4	-5.44772	µg/L		
1	Pb 220.353	3.3	3.3	22.4989	µg/L		
1	Sb 206.831	-2.0	-2.0	-3.00195	µg/L		
1	Se 196.026	77.1	76.4	18.3771	µg/L		
1	Si 251.611	2086.3	2068.0	23.4677	µg/L		
1	Sn 189.933	-2.1	-2.1	-6.20917	µg/L		
1	Sr 407.771	958.9	950.5	-1.88883	µg/L		
1	Ti 334.941	1629.3	1615.0	-1.07535	µg/L		
1	Tl 190.800	18.4	18.2	-11.4048	µg/L		
1	V 292.402	-245.9	-243.7	3.50745	µg/L		
1	Zn 206.200	-4.7	-4.6	-3.12398	µg/L		
2	Sc 357.253	482442.9	482442.9	100.9	µg/L		
2	Y 360.064	293900.1	293900.1	101.2	µg/L		
2	Ag 328.068	-110.5	-109.6	-1.37430	µg/L		
2	Al 396.140	274.6	272.2	-18.1816	µg/L		
2	As 188.979	6.6	6.6	-1.69128	µg/L		
2	B 249.773	185.1	183.5	-1.72174	µg/L		
2	Ba 455.403	7935.2	7866.6	-1.42031	µg/L		
2	Be 234.861	93.6	92.8	-0.101764	µg/L		
2	Ca 315.887	-631.4	-625.9	-0.0329631	mg/L		
2	Cd 214.438	36.9	36.6	-2.70975	µg/L		
2	Ce 413.765	36.0	35.7	2.31622	µg/L		
2	Co 228.616	-0.7	-0.7	1.71272	µg/L		
2	Cr 205.560	39.6	39.3	-6.85676	µg/L		
2	Cu 327.394	56.0	55.5	2.39812	µg/L		
2	Fe 238.204	110.9	109.9	-0.0390111	µg/L		
2	K 766.514	2075.3	2057.3	-0.0028900	mg/L		
2	Li 670.781	372.8	369.5	-2.05327	µg/L		
2	Mg 279.074	-85.5	-84.8	-0.0734015	mg/L		
2	Mn 257.610	-163.1	-161.7	-2.18338	µg/L		
2	Mo 202.031	8.5	8.5	-3.75833	µg/L		
2	Na 589.594	3172.6	3145.2	-0.0671644	mg/L		
2	Ni 231.603	54.9	54.5	-14.0734	µg/L		
2	Pb 220.353	-7.4	-7.3	-13.2791	µg/L		
2	Sb 206.831	9.7	9.6	51.1980	µg/L		
2	Se 196.026	72.4	71.7	-14.1504	µg/L		
2	Si 251.611	1924.6	1907.9	-5.58531	µg/L		
2	Sn 189.933	-2.0	-2.0	-5.16925	µg/L		
2	Sr 407.771	1005.2	996.5	-1.85986	µg/L		
2	Ti 334.941	1710.3	1695.5	-0.279986	µg/L		
2	Tl 190.800	9.6	9.5	-61.2042	µg/L		
2	V 292.402	-251.7	-249.5	3.17310	µg/L		
2	Zn 206.200	-7.7	-7.7	-4.44985	µg/L		

Mean Data

ID: 0A25054-CCB Seq. No.: 15 Sample No.: 9 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 1/25/10 2:40:30 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	482475.1	100.9	0.01	µg/L				0.01%
Y 360.064	293938.0	101.2	0.02	µg/L				0.02%
Ag 328.068	-93.9	-0.804580	0.8056998	µg/L				100.14%
Al 396.140	217.3	-24.7203	9.24721	µg/L				37.41%
As 188.979	4.9	-10.8396	12.93761	µg/L				119.36%
B 249.773	194.3	-0.772792	1.3420121	µg/L				173.66%
Ba 455.403	7978.1	-1.26150	0.224591	µg/L				17.80%
Be 234.861	85.4	-0.178626	0.1086996	µg/L				60.85%
Ca 315.887	-547.3	-0.0256839	0.01029436	mg/L				40.08%
Cd 214.438	38.8	-2.39450	0.445825	µg/L				18.62%
Ce 413.765	69.7	7.01880	6.650450	µg/L				94.75%
Co 228.616	-5.1	0.476700	1.7479976	µg/L				366.69%
Cr 205.560	42.0	-4.59192	3.202968	µg/L				69.75%
Cu 327.394	-17.5	-2.16111	6.447721	µg/L				298.35%
Fe 238.204	114.6	0.435302	0.6707803	µg/L				154.10%
K 766.514	2086.3	0.0045844	0.01057034	mg/L				230.57%
Li 670.781	370.4	-2.04874	0.006399	µg/L				0.31%
Mg 279.074	-12.8	-0.0203920	0.07496676	mg/L				367.63%
Mn 257.610	-161.6	-2.18197	0.001999	µg/L				0.09%
Mo 202.031	7.1	-5.70989	2.759922	µg/L				48.34%
Na 589.594	3091.6	-0.0702852	0.00441355	mg/L				6.28%
Ni 231.603	62.5	-9.76057	6.099295	µg/L				62.49%
Pb 220.353	-2.0	4.60992	25.298905	µg/L				548.79%
Sb 206.831	3.8	24.0980	38.32514	µg/L				159.04%
Se 196.026	74.1	2.11337	23.000434	µg/L				>999.9%
Si 251.611	1988.0	8.94119	20.543562	µg/L				229.76%
Sn 189.933	-2.0	-5.68921	0.735332	µg/L				12.93%
Sr 407.771	973.5	-1.87435	0.020482	µg/L				1.09%
Ti 334.941	1655.3	-0.677669	0.5624086	µg/L				82.99%
Tl 190.800	13.9	-36.3045	35.21350	µg/L				96.99%
V 292.402	-246.6	3.34027	0.236420	µg/L				7.08%
Zn 206.200	-6.1	-3.78692	0.937529	µg/L				24.76%

Replicate Data

ID: 1000570-BLK1 Date: 1/25/10 2:43:51 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	477938.3	477938.3	99.9	µg/L		
1	Y 360.064	291673.9	291673.9	100.4	µg/L		
1	Ag 328.068	-48.7	-48.8	0.836011	µg/L	0.836011	µg/L
1	Al 396.140	212.1	212.2	-25.3287	µg/L	-25.3287	µg/L
1	As 188.979	-1.0	-1.0	-42.3665	µg/L	-42.3665	µg/L
1	B 249.773	166.9	167.0	-3.17331	µg/L	-3.17331	µg/L
1	Ba 455.403	7908.1	7913.6	-1.35340	µg/L	-1.35340	µg/L
1	Be 234.861	86.6	86.6	-0.166264	µg/L	-0.166264	µg/L
1	Ca 315.887	-229.8	-230.0	0.0036866	mg/L	0.0036866	mg/L
1	Cd 214.438	42.2	42.2	-1.90294	µg/L	-1.90294	µg/L
1	Ce 413.765	96.0	96.1	10.6825	µg/L	0.0106825	mg/L
1	Co 228.616	-5.1	-5.1	0.470596	µg/L	0.470596	µg/L
1	Cr 205.560	52.2	52.3	3.89401	µg/L	3.89401	µg/L
1	Cu 327.394	11.5	11.5	-0.354124	µg/L	-0.354124	µg/L
1	Fe 238.204	118.7	118.8	0.867453	µg/L	0.867453	µg/L
1	K 766.514	1911.6	1912.9	-0.0401779	mg/L	-0.0401779	mg/L
1	Li 670.781	373.1	373.3	-2.03337	µg/L	-2.03337	µg/L
1	Mg 279.074	-39.1	-39.1	-0.0397549	mg/L	-0.0397549	mg/L
1	Mn 257.610	-165.8	-166.0	-2.23619	µg/L	-2.23619	µg/L
1	Mo 202.031	10.1	10.1	-1.41238	µg/L	-1.41238	µg/L
1	Na 589.594	3045.7	3047.8	-0.0728380	mg/L	-0.0728380	mg/L
1	Ni 231.603	70.8	70.9	-5.19923	µg/L	-5.19923	µg/L
1	Pb 220.353	-7.9	-7.9	-15.1087	µg/L	-15.1087	µg/L
1	Sb 206.831	4.0	4.0	25.1796	µg/L	25.1796	µg/L
1	Se 196.026	68.1	68.1	-39.2649	µg/L	-39.2649	µg/L
1	Si 251.611	1679.3	1680.4	-46.8793	µg/L	-46.8793	µg/L
1	Sn 189.933	-1.7	-1.7	-2.08916	µg/L	-2.08916	µg/L

1 Sr 407.771	860.8	861.4	-1.94487 µg/L	-1.94487 µg/L	
1 Ti 334.941	1634.8	1636.0	-0.868137 µg/L	-0.868137 µg/L	
1 Tl 190.800	20.1	20.1	-0.810504 µg/L	-0.810504 µg/L	
1 V 292.402	-288.8	-289.0	0.867977 µg/L	0.867977 µg/L	
1 Zn 206.200	8.6	8.6	2.62088 µg/L	2.62088 µg/L	
2 Sc 357.253	478766.9	478766.9	100.1 µg/L		
2 Y 360.064	292306.9	292306.9	100.7 µg/L		
2 Ag 328.068	-17.7	-17.7	1.96616 µg/L	1.96616 µg/L	
2 Al 396.140	222.4	222.2	-24.1446 µg/L	-24.1446 µg/L	
2 As 188.979	3.6	3.6	-17.9563 µg/L	-17.9563 µg/L	
2 B 249.773	143.6	143.5	-5.25291 µg/L	-5.25291 µg/L	
2 Ba 455.403	7942.2	7933.9	-1.32438 µg/L	-1.32438 µg/L	
2 Be 234.861	79.8	79.7	-0.238415 µg/L	-0.238415 µg/L	
2 Ca 315.887	-270.1	-269.8	-0.0000038 mg/L	-0.0000038 mg/L	
2 Cd 214.438	41.0	40.9	-2.09045 µg/L	-2.09045 µg/L	
2 Ce 413.765	-106.1	-106.0	-17.3131 µg/L	-0.0173131 mg/L	
2 Co 228.616	-4.2	-4.2	0.714289 µg/L	0.714289 µg/L	
2 Cr 205.560	36.6	36.6	-9.05566 µg/L	-9.05566 µg/L	
2 Cu 327.394	-82.3	-82.2	-6.20329 µg/L	-6.20329 µg/L	
2 Fe 238.204	129.6	129.5	1.95292 µg/L	1.95292 µg/L	
2 K 766.514	1992.4	1990.3	-0.0201920 mg/L	-0.0201920 mg/L	
2 Li 670.781	417.0	416.5	-1.80628 µg/L	-1.80628 µg/L	
2 Mg 279.074	83.4	83.3	0.0503016 mg/L	0.0503016 mg/L	
2 Mn 257.610	-186.5	-186.3	-2.48682 µg/L	-2.48682 µg/L	
2 Mo 202.031	3.2	3.2	-11.1570 µg/L	-11.1570 µg/L	
2 Na 589.594	3066.3	3063.1	-0.0719468 mg/L	-0.0719468 mg/L	
2 Ni 231.603	63.8	63.8	-9.04582 µg/L	-9.04582 µg/L	
2 Pb 220.353	4.0	4.0	25.1238 µg/L	25.1238 µg/L	
2 Sb 206.831	-1.8	-1.8	-1.92327 µg/L	-1.92327 µg/L	
2 Se 196.026	69.5	69.4	-30.3101 µg/L	-30.3101 µg/L	
2 Si 251.611	1628.1	1626.4	-56.6782 µg/L	-56.6782 µg/L	
2 Sn 189.933	-2.1	-2.1	-6.72532 µg/L	-6.72532 µg/L	
2 Sr 407.771	823.1	822.3	-1.96952 µg/L	-1.96952 µg/L	
2 Ti 334.941	1684.7	1682.9	-0.404316 µg/L	-0.404316 µg/L	
2 Tl 190.800	19.1	19.1	-6.30217 µg/L	-6.30217 µg/L	
2 V 292.402	-223.3	-223.0	4.71623 µg/L	4.71623 µg/L	
2 Zn 206.200	6.8	6.8	1.82243 µg/L	1.82243 µg/L	

Mean Data

ID: 1000570-BLK1 Seq. No.: 16 Sample No.: 1 A/S Pos: 17
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/25/10 2:43:51 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	478352.6	100.0	0.12	µg/L				0.12%
Y 360.064	291990.4	100.5	0.15	µg/L				0.15%
Ag 328.068	-33.2	1.40109	0.799136	µg/L	1.40109	0.799136	µg/L	57.04%
Al 396.140	217.2	-24.7367	0.83730	µg/L	-24.7367	0.83730	µg/L	3.38%
As 188.979	1.3	-30.1614	17.26064	µg/L	-30.1614	17.26064	µg/L	57.23%
B 249.773	155.3	-4.21311	1.470500	µg/L	-4.21311	1.470500	µg/L	34.90%
Ba 455.403	7923.7	-1.33889	0.020515	µg/L	-1.33889	0.020515	µg/L	1.53%
Be 234.861	83.2	-0.202339	0.0510189	µg/L	-0.202339	0.0510189	µg/L	25.21%
Ca 315.887	-249.9	0.0018414	0.00260952	mg/L	0.0018414	0.00260952	mg/L	141.71%
Cd 214.438	41.6	-1.99670	0.132589	µg/L	-1.99670	0.132589	µg/L	6.64%
Ce 413.765	-4.9	-3.31526	19.795891	µg/L	-0.0033153	0.01979589	mg/L	597.11%
Co 228.616	-4.7	0.592443	0.1723171	µg/L	0.592443	0.1723171	µg/L	29.09%
Cr 205.560	44.4	-2.58082	9.156799	µg/L	-2.58082	9.156799	µg/L	354.80%
Cu 327.394	-35.4	-3.27871	4.135984	µg/L	-3.27871	4.135984	µg/L	126.15%
Fe 238.204	124.2	1.41019	0.767543	µg/L	1.41019	0.767543	µg/L	54.43%
K 766.514	1951.6	-0.0301850	0.01413218	mg/L	-0.0301850	0.01413218	mg/L	46.82%
Li 670.781	394.9	-1.91983	0.160574	µg/L	-1.91983	0.160574	µg/L	8.36%
Mg 279.074	22.1	0.0052733	0.06367952	mg/L	0.0052733	0.06367952	mg/L	>999.9%
Mn 257.610	-176.1	-2.36150	0.177223	µg/L	-2.36150	0.177223	µg/L	7.50%
Mo 202.031	6.7	-6.28467	6.890458	µg/L	-6.28467	6.890458	µg/L	109.64%
Na 589.594	3055.5	-0.0723924	0.00063018	mg/L	-0.0723924	0.00063018	mg/L	0.87%
Ni 231.603	67.3	-7.12252	2.719950	µg/L	-7.12252	2.719950	µg/L	38.19%
Pb 220.353	-1.9	5.00756	28.448636	µg/L	5.00756	28.448636	µg/L	568.11%
Sb 206.831	1.1	11.6282	19.16464	µg/L	11.6282	19.16464	µg/L	164.81%
Se 196.026	68.8	-34.7875	6.33197	µg/L	-34.7875	6.33197	µg/L	18.20%
Si 251.611	1653.4	-51.7787	6.92889	µg/L	-51.7787	6.92889	µg/L	13.38%

Sn 189.933	-1.9	-4.40724	3.278266 µg/L	-4.40724	3.278266 µg/L	74.38%
Sr 407.771	841.8	-1.95719	0.017427 µg/L	-1.95719	0.017427 µg/L	0.89%
Ti 334.941	1659.4	-0.636226	0.3279705 µg/L	-0.636226	0.3279705 µg/L	51.55%
Tl 190.800	19.6	-3.55634	3.883194 µg/L	-3.55634	3.883194 µg/L	109.19%
V 292.402	-256.0	2.79210	2.721127 µg/L	2.79210	2.721127 µg/L	97.46%
Zn 206.200	7.7	2.22166	0.564591 µg/L	2.22166	0.564591 µg/L	25.41%

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

ID: 1000570-BS1 Date: 1/25/10 2:47:14 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	485458.2	485458.2	101.5	µg/L		
1	Y 360.064	294849.2	294849.2	101.5	µg/L		
1	Ag 328.068	9744.1	9599.8	351.486	µg/L	351.486	µg/L
1	Al 396.140	15405.1	15177.0	1757.68	µg/L	1757.68	µg/L
1	As 188.979	355.6	350.4	1853.57	µg/L	1853.57	µg/L
1	B 249.773	4196.2	4134.0	346.504	µg/L	346.504	µg/L
1	Ba 455.403	262246.8	258362.8	355.301	µg/L	355.301	µg/L
1	Be 234.861	3627.9	3574.2	36.2023	µg/L	36.2023	µg/L
1	Ca 315.887	195573.4	192676.8	17.8588	mg/L	17.8588	mg/L
1	Cd 214.438	2573.1	2535.0	356.074	µg/L	356.074	µg/L
1	Ce 413.765	-72.4	-71.4	-12.5182	µg/L	-0.0125182	mg/L
1	Co 228.616	1274.5	1255.6	354.238	µg/L	354.238	µg/L
1	Cr 205.560	482.7	475.5	353.695	µg/L	353.695	µg/L
1	Cu 327.394	5906.3	5818.8	362.395	µg/L	362.395	µg/L
1	Fe 238.204	3667.1	3612.8	356.260	µg/L	356.260	µg/L
1	K 766.514	72677.6	71601.2	17.9537	mg/L	17.9537	mg/L
1	Li 670.781	69745.8	68712.8	357.126	µg/L	357.126	µg/L
1	Mg 279.074	24523.8	24160.6	17.7736	mg/L	17.7736	mg/L
1	Mn 257.610	29446.9	29010.7	356.880	µg/L	356.880	µg/L
1	Mo 202.031	278.4	274.3	369.147	µg/L	369.147	µg/L
1	Na 589.594	315725.6	311049.6	17.8758	mg/L	17.8758	mg/L
1	Ni 231.603	740.4	729.5	350.693	µg/L	350.693	µg/L
1	Pb 220.353	98.1	96.6	338.379	µg/L	338.379	µg/L
1	Sb 206.831	398.3	392.4	1842.61	µg/L	1842.61	µg/L
1	Se 196.026	340.1	335.0	1822.46	µg/L	1822.46	µg/L
1	Si 251.611	12183.8	12003.4	1826.73	µg/L	1826.73	µg/L
1	Sn 189.933	187.4	184.7	1794.94	µg/L	1794.94	µg/L
1	Sr 407.771	579033.5	570457.8	356.460	µg/L	356.460	µg/L
1	Ti 334.941	39480.5	38895.8	367.164	µg/L	367.164	µg/L
1	Tl 190.800	335.1	330.2	1772.88	µg/L	1772.88	µg/L
1	V 292.402	5898.9	5811.5	356.941	µg/L	356.941	µg/L
1	Zn 206.200	841.9	829.4	358.240	µg/L	358.240	µg/L
2	Sc 357.253	489167.4	489167.4	102.3	µg/L		
2	Y 360.064	297115.1	297115.1	102.3	µg/L		
2	Ag 328.068	9877.9	9657.8	353.596	µg/L	353.596	µg/L
2	Al 396.140	15536.6	15190.5	1759.29	µg/L	1759.29	µg/L
2	As 188.979	351.2	343.4	1815.90	µg/L	1815.90	µg/L
2	B 249.773	4297.5	4201.8	352.473	µg/L	352.473	µg/L
2	Ba 455.403	265359.9	259447.4	356.846	µg/L	356.846	µg/L
2	Be 234.861	3677.0	3595.1	36.4208	µg/L	36.4208	µg/L
2	Ca 315.887	198113.6	193699.5	17.9535	mg/L	17.9535	mg/L
2	Cd 214.438	2581.6	2524.1	354.508	µg/L	354.508	µg/L
2	Ce 413.765	98.1	95.9	10.6530	µg/L	0.0106530	mg/L
2	Co 228.616	1291.8	1263.0	356.295	µg/L	356.295	µg/L
2	Cr 205.560	486.6	475.7	353.842	µg/L	353.842	µg/L
2	Cu 327.394	5853.5	5723.0	356.414	µg/L	356.414	µg/L
2	Fe 238.204	3672.6	3590.8	354.022	µg/L	354.022	µg/L
2	K 766.514	73445.6	71809.1	18.0074	mg/L	18.0074	mg/L
2	Li 670.781	70746.8	69170.5	359.531	µg/L	359.531	µg/L
2	Mg 279.074	24842.0	24288.5	17.8678	mg/L	17.8678	mg/L
2	Mn 257.610	29658.6	28997.7	356.720	µg/L	356.720	µg/L
2	Mo 202.031	279.8	273.6	368.211	µg/L	368.211	µg/L
2	Na 589.594	319400.4	312283.9	17.9477	mg/L	17.9477	mg/L
2	Ni 231.603	779.6	762.2	368.406	µg/L	368.406	µg/L
2	Pb 220.353	109.7	107.2	374.225	µg/L	374.225	µg/L
2	Sb 206.831	403.7	394.7	1853.25	µg/L	1853.25	µg/L
2	Se 196.026	337.3	329.8	1785.72	µg/L	1785.72	µg/L
2	Si 251.611	12370.7	12095.1	1843.37	µg/L	1843.37	µg/L

2 Sn 189.933	187.5	183.3	1782.19 µg/L	1782.19 µg/L
2 Sr 407.771	586495.6	573428.0	358.329 µg/L	358.329 µg/L
2 Ti 334.941	39995.0	39103.9	369.219 µg/L	369.219 µg/L
2 Tl 190.800	341.2	333.6	1792.24 µg/L	1792.24 µg/L
2 V 292.402	5895.5	5764.2	354.179 µg/L	354.179 µg/L
2 Zn 206.200	837.4	818.7	353.603 µg/L	353.603 µg/L

Mean Data

ID: 1000570-BS1 Seq. No.: 17 Sample No.: 2 A/S Pos: 18
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/25/10 2:47:14 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	487312.8	101.9	0.55	µg/L				0.54%
Y 360.064	295982.2	101.9	0.55	µg/L				0.54%
Ag 328.068	9628.8	352.541	1.4917	µg/L	352.541	1.4917	µg/L	0.42%
Al 396.140	15183.7	1758.49	1.138	µg/L	1758.49	1.138	µg/L	0.06%
As 188.979	346.9	1834.73	26.637	µg/L	1834.73	26.637	µg/L	1.45%
B 249.773	4167.9	349.489	4.2213	µg/L	349.489	4.2213	µg/L	1.21%
Ba 455.403	258905.1	356.074	1.0922	µg/L	356.074	1.0922	µg/L	0.31%
Be 234.861	3584.6	36.3115	0.15449	µg/L	36.3115	0.15449	µg/L	0.43%
Ca 315.887	193188.2	17.9062	0.06694	mg/L	17.9062	0.06694	mg/L	0.37%
Cd 214.438	2529.5	355.291	1.1072	µg/L	355.291	1.1072	µg/L	0.31%
Ce 413.765	12.3	-0.932619	16.3845353	µg/L	-0.0009326	0.01638454	mg/L	>999.9%
Co 228.616	1259.3	355.266	1.4545	µg/L	355.266	1.4545	µg/L	0.41%
Cr 205.560	475.6	353.769	0.1035	µg/L	353.769	0.1035	µg/L	0.03%
Cu 327.394	5770.9	359.405	4.2294	µg/L	359.405	4.2294	µg/L	1.18%
Fe 238.204	3601.8	355.141	1.5826	µg/L	355.141	1.5826	µg/L	0.45%
K 766.514	71705.2	17.9806	0.03796	mg/L	17.9806	0.03796	mg/L	0.21%
Li 670.781	68941.6	358.328	1.7008	µg/L	358.328	1.7008	µg/L	0.47%
Mg 279.074	24224.5	17.8207	0.06658	mg/L	17.8207	0.06658	mg/L	0.37%
Mn 257.610	29004.2	356.800	0.1131	µg/L	356.800	0.1131	µg/L	0.03%
Mo 202.031	273.9	368.679	0.6620	µg/L	368.679	0.6620	µg/L	0.18%
Na 589.594	311666.7	17.9118	0.05087	mg/L	17.9118	0.05087	mg/L	0.28%
Ni 231.603	745.8	359.550	12.5252	µg/L	359.550	12.5252	µg/L	3.48%
Pb 220.353	101.9	356.302	25.3473	µg/L	356.302	25.3473	µg/L	7.11%
Sb 206.831	393.5	1847.93	7.520	µg/L	1847.93	7.520	µg/L	0.41%
Se 196.026	332.4	1804.09	25.980	µg/L	1804.09	25.980	µg/L	1.44%
Si 251.611	12049.2	1835.05	11.767	µg/L	1835.05	11.767	µg/L	0.64%
Sn 189.933	184.0	1788.57	9.020	µg/L	1788.57	9.020	µg/L	0.50%
Sr 407.771	571942.9	357.394	1.3215	µg/L	357.394	1.3215	µg/L	0.37%
Ti 334.941	38999.8	368.191	1.4536	µg/L	368.191	1.4536	µg/L	0.39%
Tl 190.800	331.9	1782.56	13.692	µg/L	1782.56	13.692	µg/L	0.77%
V 292.402	5787.8	355.560	1.9531	µg/L	355.560	1.9531	µg/L	0.55%
Zn 206.200	824.1	355.922	3.2787	µg/L	355.922	3.2787	µg/L	0.92%

Replicate Data

ID: 1001254-01 Date: 1/25/10 2:50:39 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	483414.6	483414.6	101.1	µg/L		
1	Y 360.064	292313.0	292313.0	100.7	µg/L		
1	Ag 328.068	-67.6	-66.9	0.177454	µg/L	0.177454	µg/L
1	Al 396.140	5724.3	5663.3	624.156	µg/L	624.156	µg/L
1	As 188.979	5.3	5.3	-8.72004	µg/L	-8.72004	µg/L
1	B 249.773	788.5	780.1	50.8650	µg/L	50.8650	µg/L
1	Ba 455.403	73818.2	73032.3	91.3797	µg/L	91.3797	µg/L
1	Be 234.861	149.5	147.9	0.472879	µg/L	0.472879	µg/L
1	Ca 315.887	963479.4	953222.6	88.2557	mg/L	88.2557	mg/L
1	Cd 214.438	69.1	68.4	1.85398	µg/L	1.85398	µg/L
1	Ce 413.765	102.8	101.7	11.4613	µg/L	0.0114613	mg/L
1	Co 228.616	-0.0	-0.0	1.89601	µg/L	1.89601	µg/L
1	Cr 205.560	59.7	59.0	9.47181	µg/L	9.47181	µg/L
1	Cu 327.394	-10.9	-10.8	-1.74231	µg/L	-1.74231	µg/L
1	Fe 238.204	51228.4	50683.1	5144.03	µg/L	5144.03	µg/L
1	K 766.514	12999.0	12860.6	2.79191	mg/L	2.79191	mg/L
1	Li 670.781	1365.9	1351.3	3.10662	µg/L	3.10662	µg/L
1	Mg 279.074	34248.2	33883.6	24.9361	mg/L	24.9361	mg/L
1	Mn 257.610	21787.5	21555.6	265.120	µg/L	265.120	µg/L

1 Mo 202.031	12.3	12.1	1.41193 µg/L	1.41193 µg/L	
1 Na 589.594	899552.5	889976.3	51.6147 mg/L	51.6147 mg/L	
1 Ni 231.603	73.5	72.7	-4.23746 µg/L	-4.23746 µg/L	
1 Pb 220.353	3.4	3.3	22.7706 µg/L	22.7706 µg/L	
1 Sb 206.831	-3.8	-3.7	-11.0911 µg/L	-11.0911 µg/L	
1 Se 196.026	59.1	58.4	-106.846 µg/L	-106.846 µg/L	
1 Si 251.611	35630.3	35251.0	6046.14 µg/L	6046.14 µg/L	
1 Sn 189.933	-21.5	-21.3	-191.159 µg/L	-191.159 µg/L	
1 Sr 407.771	248718.0	246070.2	152.347 µg/L	152.347 µg/L	
1 Ti 334.941	5365.6	5308.5	35.4067 µg/L	35.4067 µg/L	
1 Tl 190.800	19.8	19.5	-3.83315 µg/L	-3.83315 µg/L	
1 V 292.402	-217.5	-215.2	5.17224 µg/L	5.17224 µg/L	
1 Zn 206.200	70.4	69.6	29.0384 µg/L	29.0384 µg/L	
2 Sc 357.253	483565.5	483565.5	101.1 µg/L		
2 Y 360.064	292519.3	292519.3	100.7 µg/L		
2 Ag 328.068	-188.4	-186.3	-4.16391 µg/L	-4.16391 µg/L	
2 Al 396.140	5698.4	5635.9	620.893 µg/L	620.893 µg/L	
2 As 188.979	6.7	6.6	-1.47325 µg/L	-1.47325 µg/L	
2 B 249.773	834.6	825.4	54.8612 µg/L	54.8612 µg/L	
2 Ba 455.403	73809.3	73000.8	91.3347 µg/L	91.3347 µg/L	
2 Be 234.861	157.5	155.8	0.554962 µg/L	0.554962 µg/L	
2 Ca 315.887	965861.4	955281.1	88.4463 mg/L	88.4463 mg/L	
2 Cd 214.438	78.0	77.2	3.11134 µg/L	3.11134 µg/L	
2 Ce 413.765	118.8	117.5	13.6470 µg/L	0.0136470 mg/L	
2 Co 228.616	6.8	6.8	3.80222 µg/L	3.80222 µg/L	
2 Cr 205.560	51.7	51.2	2.98858 µg/L	2.98858 µg/L	
2 Cu 327.394	-18.1	-17.9	-2.18768 µg/L	-2.18768 µg/L	
2 Fe 238.204	51518.7	50954.4	5171.63 µg/L	5171.63 µg/L	
2 K 766.514	13116.8	12973.1	2.82098 mg/L	2.82098 mg/L	
2 Li 670.781	1320.4	1306.0	2.86818 µg/L	2.86818 µg/L	
2 Mg 279.074	34373.2	33996.6	25.0193 mg/L	25.0193 mg/L	
2 Mn 257.610	21895.2	21655.4	266.348 µg/L	266.348 µg/L	
2 Mo 202.031	11.1	11.0	-0.203302 µg/L	-0.203302 µg/L	
2 Na 589.594	901524.2	891648.7	51.7122 mg/L	51.7122 mg/L	
2 Ni 231.603	98.0	96.9	8.86668 µg/L	8.86668 µg/L	
2 Pb 220.353	7.7	7.6	37.0656 µg/L	37.0656 µg/L	
2 Sb 206.831	2.6	2.5	18.2674 µg/L	18.2674 µg/L	
2 Se 196.026	73.0	72.2	-10.8322 µg/L	-10.8322 µg/L	
2 Si 251.611	35716.4	35325.1	6059.60 µg/L	6059.60 µg/L	
2 Sn 189.933	-22.3	-22.1	-198.719 µg/L	-198.719 µg/L	
2 Sr 407.771	249388.1	246656.2	152.716 µg/L	152.716 µg/L	
2 Ti 334.941	5467.5	5407.6	36.3856 µg/L	36.3856 µg/L	
2 Tl 190.800	10.1	10.0	-58.4464 µg/L	-58.4464 µg/L	
2 V 292.402	-197.7	-195.5	6.32279 µg/L	6.32279 µg/L	
2 Zn 206.200	75.3	74.5	31.1512 µg/L	31.1512 µg/L	

Mean Data

ID: 1001254-01 Seq. No.: 18 Sample No.: 3 A/S Pos: 19
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/25/10 2:50:39 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	483490.1	101.1	0.02	µg/L				0.02%
Y 360.064	292416.1	100.7	0.05	µg/L				0.05%
Ag 328.068	-126.6	-1.99323	3.069811	µg/L	-1.99323	3.069811	µg/L	154.01%
Al 396.140	5649.6	622.525	2.3074	µg/L	622.525	2.3074	µg/L	0.37%
As 188.979	5.9	-5.09665	5.124250	µg/L	-5.09665	5.124250	µg/L	100.54%
B 249.773	802.8	52.8631	2.82574	µg/L	52.8631	2.82574	µg/L	5.35%
Ba 455.403	73016.6	91.3572	0.03176	µg/L	91.3572	0.03176	µg/L	0.03%
Be 234.861	151.8	0.513920	0.0580413	µg/L	0.513920	0.0580413	µg/L	11.29%
Ca 315.887	954251.9	88.3510	0.13473	mg/L	88.3510	0.13473	mg/L	0.15%
Cd 214.438	72.8	2.48266	0.889092	µg/L	2.48266	0.889092	µg/L	35.81%
Ce 413.765	109.6	12.5541	1.54548	µg/L	0.0125541	0.00154548	mg/L	12.31%
Co 228.616	3.4	2.84912	1.347897	µg/L	2.84912	1.347897	µg/L	47.31%
Cr 205.560	55.1	6.23020	4.584338	µg/L	6.23020	4.584338	µg/L	73.58%
Cu 327.394	-14.3	-1.96500	0.314920	µg/L	-1.96500	0.314920	µg/L	16.03%
Fe 238.204	50818.7	5157.83	19.514	µg/L	5157.83	19.514	µg/L	0.38%
K 766.514	12916.8	2.80645	0.020550	mg/L	2.80645	0.020550	mg/L	0.73%
Li 670.781	1328.6	2.98740	0.168603	µg/L	2.98740	0.168603	µg/L	5.64%
Mg 279.074	33940.1	24.9777	0.05882	mg/L	24.9777	0.05882	mg/L	0.24%

Mn 257.610	21605.5	265.734	0.8683 µg/L	265.734	0.8683 µg/L	0.33%
Mo 202.031	11.6	0.604316	1.1421447 µg/L	0.604316	1.1421447 µg/L	189.00%
Na 589.594	890812.5	51.6635	0.06892 mg/L	51.6635	0.06892 mg/L	0.13%
Ni 231.603	84.8	2.31461	9.266032 µg/L	2.31461	9.266032 µg/L	400.33%
Pb 220.353	5.5	29.9181	10.10805 µg/L	29.9181	10.10805 µg/L	33.79%
Sb 206.831	-0.6	3.58815	20.759542 µg/L	3.58815	20.759542 µg/L	578.56%
Se 196.026	65.3	-58.8389	67.89175 µg/L	-58.8389	67.89175 µg/L	115.39%
Si 251.611	35288.0	6052.87	9.514 µg/L	6052.87	9.514 µg/L	0.16%
Sn 189.933	-21.7	-194.939	5.3458 µg/L	-194.939	5.3458 µg/L	2.74%
Sr 407.771	246363.2	152.531	0.2607 µg/L	152.531	0.2607 µg/L	0.17%
Ti 334.941	5358.0	35.8961	0.69224 µg/L	35.8961	0.69224 µg/L	1.93%
Tl 190.800	14.8	-31.1398	38.61738 µg/L	-31.1398	38.61738 µg/L	124.01%
V 292.402	-205.4	5.74751	0.813564 µg/L	5.74751	0.813564 µg/L	14.16%
Zn 206.200	72.1	30.0948	1.49398 µg/L	30.0948	1.49398 µg/L	4.96%

Replicate Data

ID: 1000572-BLK1 Date: 1/25/10 2:54:01 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	503386.4	503386.4	105.3	µg/L		
1	Y 360.064	308167.1	308167.1	106.1	µg/L		
1	Ag 328.068	-190.8	-181.3	-3.98014	µg/L	-3.98014	µg/L
1	Al 396.140	173.0	164.4	-31.0275	µg/L	-31.0275	µg/L
1	As 188.979	3.4	3.2	-19.6713	µg/L	-19.6713	µg/L
1	B 249.773	137.6	130.7	-6.37455	µg/L	-6.37455	µg/L
1	Ba 455.403	7942.0	7545.7	-1.87721	µg/L	-1.87721	µg/L
1	Be 234.861	67.6	64.3	-0.399392	µg/L	-0.399392	µg/L
1	Ca 315.887	-201.0	-191.0	0.0072984	mg/L	0.0072984	mg/L
1	Cd 214.438	38.6	36.7	-2.69579	µg/L	-2.69579	µg/L
1	Ce 413.765	60.6	57.6	5.34725	µg/L	0.0053472	mg/L
1	Co 228.616	4.4	4.2	3.07557	µg/L	3.07557	µg/L
1	Cr 205.560	43.4	41.2	-5.24528	µg/L	-5.24528	µg/L
1	Cu 327.394	-20.3	-19.2	-2.27283	µg/L	-2.27283	µg/L
1	Fe 238.204	149.5	142.0	3.22937	µg/L	3.22937	µg/L
1	K 766.514	1853.2	1760.8	-0.0794583	mg/L	-0.0794583	mg/L
1	Li 670.781	354.9	337.2	-2.22339	µg/L	-2.22339	µg/L
1	Mg 279.074	2.5	2.3	-0.0092724	mg/L	-0.0092724	mg/L
1	Mn 257.610	-169.5	-161.1	-2.17603	µg/L	-2.17603	µg/L
1	Mo 202.031	5.9	5.6	-7.71059	µg/L	-7.71059	µg/L
1	Na 589.594	3310.9	3145.7	-0.0671323	mg/L	-0.0671323	mg/L
1	Ni 231.603	82.1	78.0	-1.35415	µg/L	-1.35415	µg/L
1	Pb 220.353	-4.1	-3.9	-1.76949	µg/L	-1.76949	µg/L
1	Sb 206.831	-4.4	-4.2	-13.0874	µg/L	-13.0874	µg/L
1	Se 196.026	62.2	59.1	-102.236	µg/L	-102.236	µg/L
1	Si 251.611	1532.8	1456.3	-87.5517	µg/L	-87.5517	µg/L
1	Sn 189.933	-2.0	-1.9	-4.31179	µg/L	-4.31179	µg/L
1	Sr 407.771	843.3	801.2	-1.98276	µg/L	-1.98276	µg/L
1	Ti 334.941	1608.5	1528.2	-1.93238	µg/L	-1.93238	µg/L
1	Tl 190.800	13.4	12.7	-43.0125	µg/L	-43.0125	µg/L
1	V 292.402	-222.8	-211.7	5.37834	µg/L	5.37834	µg/L
1	Zn 206.200	11.6	11.0	3.63106	µg/L	3.63106	µg/L
2	Sc 357.253	524058.4	524058.4	109.6	µg/L		
2	Y 360.064	322000.9	322000.9	110.9	µg/L		
2	Ag 328.068	-150.7	-137.5	-2.39035	µg/L	-2.39035	µg/L
2	Al 396.140	149.5	136.5	-34.3557	µg/L	-34.3557	µg/L
2	As 188.979	-1.7	-1.5	-45.3754	µg/L	-45.3754	µg/L
2	B 249.773	148.6	135.6	-5.94123	µg/L	-5.94123	µg/L
2	Ba 455.403	7823.7	7140.1	-2.45481	µg/L	-2.45481	µg/L
2	Be 234.861	78.6	71.7	-0.321885	µg/L	-0.321885	µg/L
2	Ca 315.887	-247.9	-226.2	0.0040334	mg/L	0.0040334	mg/L
2	Cd 214.438	42.7	39.0	-2.37246	µg/L	-2.37246	µg/L
2	Ce 413.765	17.8	16.2	-0.385503	µg/L	-0.0003855	mg/L
2	Co 228.616	-12.6	-11.5	-1.32729	µg/L	-1.32729	µg/L
2	Cr 205.560	36.3	33.1	-11.9398	µg/L	-11.9398	µg/L
2	Cu 327.394	-77.0	-70.3	-5.45994	µg/L	-5.45994	µg/L
2	Fe 238.204	139.9	127.7	1.77157	µg/L	1.77157	µg/L
2	K 766.514	1894.4	1728.9	-0.0876973	mg/L	-0.0876973	mg/L
2	Li 670.781	477.2	435.5	-1.70632	µg/L	-1.70632	µg/L
2	Mg 279.074	3.0	2.8	-0.0089456	mg/L	-0.0089456	mg/L

2 Mn 257.610	-153.8	-140.4	-1.92117 µg/L	-1.92117 µg/L
2 Mo 202.031	12.4	11.3	0.271680 µg/L	0.271680 µg/L
2 Na 589.594	3180.2	2902.4	-0.0813140 mg/L	-0.0813140 mg/L
2 Ni 231.603	57.8	52.8	-14.9960 µg/L	-14.9960 µg/L
2 Pb 220.353	0.2	0.2	12.1582 µg/L	12.1582 µg/L
2 Sb 206.831	6.3	5.7	33.1895 µg/L	33.1895 µg/L
2 Se 196.026	69.0	63.0	-75.0201 µg/L	-75.0201 µg/L
2 Si 251.611	1450.9	1324.1	-111.545 µg/L	-111.545 µg/L
2 Sn 189.933	-0.9	-0.9	5.66228 µg/L	5.66228 µg/L
2 Sr 407.771	836.3	763.2	-2.00666 µg/L	-2.00666 µg/L
2 Ti 334.941	1563.0	1426.5	-2.93751 µg/L	-2.93751 µg/L
2 Tl 190.800	6.6	6.1	-80.9846 µg/L	-80.9846 µg/L
2 V 292.402	-278.4	-254.1	2.90410 µg/L	2.90410 µg/L
2 Zn 206.200	9.3	8.5	2.56890 µg/L	2.56890 µg/L

Mean Data

ID: 1000572-BLK1 Seq. No.: 19 Sample No.: 4 A/S Pos: 20
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/25/10 2:54:01 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	513722.4	107.4	3.06	µg/L				2.85%
Y 360.064	315084.0	108.5	3.37	µg/L				3.10%
Ag 328.068	-159.4	-3.18524	1.124147	µg/L	-3.18524	1.124147	µg/L	35.29%
Al 396.140	150.4	-32.6916	2.35336	µg/L	-32.6916	2.35336	µg/L	7.20%
As 188.979	0.9	-32.5233	18.17553	µg/L	-32.5233	18.17553	µg/L	55.88%
B 249.773	133.2	-6.15789	0.306400	µg/L	-6.15789	0.306400	µg/L	4.98%
Ba 455.403	7342.9	-2.16601	0.408430	µg/L	-2.16601	0.408430	µg/L	18.86%
Be 234.861	68.0	-0.360638	0.0548059	µg/L	-0.360638	0.0548059	µg/L	15.20%
Ca 315.887	-208.6	0.0056659	0.00230869	mg/L	0.0056659	0.00230869	mg/L	40.75%
Cd 214.438	37.8	-2.53412	0.228627	µg/L	-2.53412	0.228627	µg/L	9.02%
Ce 413.765	36.9	2.48087	4.053667	µg/L	0.0024809	0.00405367	mg/L	163.40%
Co 228.616	-3.7	0.874142	3.1132906	µg/L	0.874142	3.1132906	µg/L	356.15%
Cr 205.560	37.2	-8.59253	4.733734	µg/L	-8.59253	4.733734	µg/L	55.09%
Cu 327.394	-44.8	-3.86639	2.253627	µg/L	-3.86639	2.253627	µg/L	58.29%
Fe 238.204	134.9	2.50047	1.030825	µg/L	2.50047	1.030825	µg/L	41.23%
K 766.514	1744.8	-0.0835778	0.00582590	mg/L	-0.0835778	0.00582590	mg/L	6.97%
Li 670.781	386.4	-1.96486	0.365629	µg/L	-1.96486	0.365629	µg/L	18.61%
Mg 279.074	2.6	-0.0091090	0.00023103	mg/L	-0.0091090	0.00023103	mg/L	2.54%
Mn 257.610	-150.7	-2.04860	0.180214	µg/L	-2.04860	0.180214	µg/L	8.80%
Mo 202.031	8.5	-3.71946	5.644318	µg/L	-3.71946	5.644318	µg/L	151.75%
Na 589.594	3024.0	-0.0742232	0.01002794	mg/L	-0.0742232	0.01002794	mg/L	13.51%
Ni 231.603	65.4	-8.17506	9.646221	µg/L	-8.17506	9.646221	µg/L	118.00%
Pb 220.353	-1.9	5.19434	9.848352	µg/L	5.19434	9.848352	µg/L	189.60%
Sb 206.831	0.8	10.0511	32.72271	µg/L	10.0511	32.72271	µg/L	325.56%
Se 196.026	61.1	-88.6282	19.24473	µg/L	-88.6282	19.24473	µg/L	21.71%
Si 251.611	1390.2	-99.5483	16.96569	µg/L	-99.5483	16.96569	µg/L	17.04%
Sn 189.933	-1.4	0.675246	7.0527307	µg/L	0.675246	7.0527307	µg/L	>999.9%
Sr 407.771	782.2	-1.99471	0.016899	µg/L	-1.99471	0.016899	µg/L	0.85%
Ti 334.941	1477.3	-2.43495	0.710735	µg/L	-2.43495	0.710735	µg/L	29.19%
Tl 190.800	9.4	-61.9986	26.85033	µg/L	-61.9986	26.85033	µg/L	43.31%
V 292.402	-232.9	4.14122	1.749548	µg/L	4.14122	1.749548	µg/L	42.25%
Zn 206.200	9.8	3.09998	0.751061	µg/L	3.09998	0.751061	µg/L	24.23%

Replicate Data

ID: 1000572-BS1 Date: 1/25/10 2:57:25 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1 Sc 357.253	532296.9	532296.9	111.3 µg/L	
1 Y 360.064	325958.7	325958.7	112.2 µg/L	
1 Ag 328.068	11033.6	9913.7	362.895 µg/L	362.895 µg/L
1 Al 396.140	17803.9	15996.8	1855.36 µg/L	1855.36 µg/L
1 As 188.979	401.7	360.9	1910.52 µg/L	1910.52 µg/L
1 B 249.773	4725.8	4246.2	356.387 µg/L	356.387 µg/L
1 Ba 455.403	302607.5	271892.6	374.569 µg/L	374.569 µg/L
1 Be 234.861	4132.8	3713.3	37.6530 µg/L	37.6530 µg/L
1 Ca 315.887	227201.4	204140.3	18.9199 mg/L	18.9199 mg/L
1 Cd 214.438	2961.7	2661.1	374.179 µg/L	374.179 µg/L
1 Ce 413.765	71.2	63.9	6.22647 µg/L	0.0062265 mg/L

1 Co 228.616	1477.2	1327.3	374.344 µg/L	374.344 µg/L	
1 Cr 205.560	561.6	504.6	377.727 µg/L	377.727 µg/L	
1 Cu 327.394	6756.5	6070.7	378.131 µg/L	378.131 µg/L	
1 Fe 238.204	4183.9	3759.2	371.152 µg/L	371.152 µg/L	
1 K 766.514	83751.4	75250.6	18.8960 mg/L	18.8960 mg/L	
1 Li 670.781	80237.6	72093.4	374.893 µg/L	374.893 µg/L	
1 Mg 279.074	28588.1	25686.4	18.8968 mg/L	18.8968 mg/L	
1 Mn 257.610	34160.9	30693.6	377.592 µg/L	377.592 µg/L	
1 Mo 202.031	323.2	290.4	391.738 µg/L	391.738 µg/L	
1 Na 589.594	363342.8	326463.2	18.7740 mg/L	18.7740 mg/L	
1 Ni 231.603	852.5	765.9	370.405 µg/L	370.405 µg/L	
1 Pb 220.353	120.5	108.3	377.725 µg/L	377.725 µg/L	
1 Sb 206.831	447.3	401.9	1886.96 µg/L	1886.96 µg/L	
1 Se 196.026	377.0	338.7	1848.09 µg/L	1848.09 µg/L	
1 Si 251.611	12349.4	11096.0	1662.03 µg/L	1662.03 µg/L	
1 Sn 189.933	214.2	192.5	1870.31 µg/L	1870.31 µg/L	
1 Sr 407.771	670634.1	602564.3	376.662 µg/L	376.662 µg/L	
1 Ti 334.941	44566.6	40043.1	378.496 µg/L	378.496 µg/L	
1 Tl 190.800	380.9	342.2	1841.72 µg/L	1841.72 µg/L	
1 V 292.402	6944.6	6239.7	381.936 µg/L	381.936 µg/L	
1 Zn 206.200	963.8	866.0	374.071 µg/L	374.071 µg/L	
2 Sc 357.253	496452.8	496452.8	103.8 µg/L		
2 Y 360.064	302596.1	302596.1	104.2 µg/L		
2 Ag 328.068	10478.0	10094.2	369.453 µg/L	369.453 µg/L	
2 Al 396.140	16730.3	16117.5	1869.75 µg/L	1869.75 µg/L	
2 As 188.979	387.2	373.0	1975.69 µg/L	1975.69 µg/L	
2 B 249.773	4503.9	4339.0	364.566 µg/L	364.566 µg/L	
2 Ba 455.403	285156.0	274711.1	378.582 µg/L	378.582 µg/L	
2 Be 234.861	3898.9	3756.1	38.0991 µg/L	38.0991 µg/L	
2 Ca 315.887	213437.4	205619.5	19.0567 mg/L	19.0567 mg/L	
2 Cd 214.438	2869.4	2764.3	389.001 µg/L	389.001 µg/L	
2 Ce 413.765	91.5	88.1	9.57972 µg/L	0.0095797 mg/L	
2 Co 228.616	1433.1	1380.6	389.305 µg/L	389.305 µg/L	
2 Cr 205.560	552.0	531.8	400.175 µg/L	400.175 µg/L	
2 Cu 327.394	6241.3	6012.7	374.509 µg/L	374.509 µg/L	
2 Fe 238.204	3932.0	3788.0	374.082 µg/L	374.082 µg/L	
2 K 766.514	79155.7	76256.4	19.1557 mg/L	19.1557 mg/L	
2 Li 670.781	75889.7	73109.9	380.235 µg/L	380.235 µg/L	
2 Mg 279.074	26814.5	25832.3	19.0042 mg/L	19.0042 mg/L	
2 Mn 257.610	31896.6	30728.3	378.019 µg/L	378.019 µg/L	
2 Mo 202.031	312.8	301.3	407.088 µg/L	407.088 µg/L	
2 Na 589.594	342452.8	329909.3	18.9748 mg/L	18.9748 mg/L	
2 Ni 231.603	828.0	797.6	387.539 µg/L	387.539 µg/L	
2 Pb 220.353	120.6	116.2	404.452 µg/L	404.452 µg/L	
2 Sb 206.831	442.0	425.8	1998.90 µg/L	1998.90 µg/L	
2 Se 196.026	368.9	355.4	1964.49 µg/L	1964.49 µg/L	
2 Si 251.611	11641.8	11215.4	1683.70 µg/L	1683.70 µg/L	
2 Sn 189.933	207.4	199.8	1941.20 µg/L	1941.20 µg/L	
2 Sr 407.771	631490.3	608359.7	380.309 µg/L	380.309 µg/L	
2 Ti 334.941	41969.7	40432.4	382.341 µg/L	382.341 µg/L	
2 Tl 190.800	377.7	363.9	1965.62 µg/L	1965.62 µg/L	
2 V 292.402	6353.8	6121.0	375.008 µg/L	375.008 µg/L	
2 Zn 206.200	935.1	900.8	389.164 µg/L	389.164 µg/L	

Mean Data

ID: 1000572-BS1 Seq. No.: 20 Sample No.: 5 A/S Pos: 21

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

Data: Original Date: 1/25/10 2:57:25 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	514374.8	107.5	5.30	µg/L				4.93%
Y 360.064	314277.4	108.2	5.69	µg/L				5.26%
Ag 328.068	10003.9	366.174	4.6377	µg/L	366.174	4.6377	µg/L	1.27%
Al 396.140	16057.2	1862.56	10.174	µg/L	1862.56	10.174	µg/L	0.55%
As 188.979	367.0	1943.10	46.081	µg/L	1943.10	46.081	µg/L	2.37%
B 249.773	4292.6	360.476	5.7831	µg/L	360.476	5.7831	µg/L	1.60%
Ba 455.403	273301.9	376.576	2.8382	µg/L	376.576	2.8382	µg/L	0.75%
Be 234.861	3734.7	37.8760	0.31541	µg/L	37.8760	0.31541	µg/L	0.83%
Ca 315.887	204879.9	18.9883	0.09676	mg/L	18.9883	0.09676	mg/L	0.51%
Cd 214.438	2712.7	381.590	10.4808	µg/L	381.590	10.4808	µg/L	2.75%

Ce 413.765	76.0	7.90309	2.371106 µg/L	0.0079031	0.00237111 mg/L	30.00%
Co 228.616	1354.0	381.825	10.5796 µg/L	381.825	10.5796 µg/L	2.77%
Cr 205.560	518.2	388.951	15.8735 µg/L	388.951	15.8735 µg/L	4.08%
Cu 327.394	6041.7	376.320	2.5616 µg/L	376.320	2.5616 µg/L	0.68%
Fe 238.204	3773.6	372.617	2.0716 µg/L	372.617	2.0716 µg/L	0.56%
K 766.514	75753.5	19.0259	0.18362 mg/L	19.0259	0.18362 mg/L	0.97%
Li 670.781	72601.7	377.564	3.7776 µg/L	377.564	3.7776 µg/L	1.00%
Mg 279.074	25759.4	18.9505	0.07598 mg/L	18.9505	0.07598 mg/L	0.40%
Mn 257.610	30710.9	377.806	0.3019 µg/L	377.806	0.3019 µg/L	0.08%
Mo 202.031	295.8	399.413	10.8535 µg/L	399.413	10.8535 µg/L	2.72%
Na 589.594	328186.2	18.8744	0.14197 mg/L	18.8744	0.14197 mg/L	0.75%
Ni 231.603	781.8	378.972	12.1151 µg/L	378.972	12.1151 µg/L	3.20%
Pb 220.353	112.2	391.088	18.8988 µg/L	391.088	18.8988 µg/L	4.83%
Sb 206.831	413.8	1942.93	79.148 µg/L	1942.93	79.148 µg/L	4.07%
Se 196.026	347.1	1906.29	82.311 µg/L	1906.29	82.311 µg/L	4.32%
Si 251.611	11155.7	1672.87	15.326 µg/L	1672.87	15.326 µg/L	0.92%
Sn 189.933	196.2	1905.75	50.122 µg/L	1905.75	50.122 µg/L	2.63%
Sr 407.771	605462.0	378.485	2.5786 µg/L	378.485	2.5786 µg/L	0.68%
Ti 334.941	40237.7	380.419	2.7192 µg/L	380.419	2.7192 µg/L	0.71%
Tl 190.800	353.0	1903.67	87.609 µg/L	1903.67	87.609 µg/L	4.60%
V 292.402	6180.4	378.472	4.8990 µg/L	378.472	4.8990 µg/L	1.29%
Zn 206.200	883.4	381.617	10.6730 µg/L	381.617	10.6730 µg/L	2.80%

Replicate Data

ID: 1001254-02 Date: 1/25/10 3:00:52 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	492980.6	492980.6	103.1	µg/L		
1	Y 360.064	299083.9	299083.9	103.0	µg/L		
1	Ag 328.068	-101.4	-98.4	-0.967663	µg/L	-0.967663	µg/L
1	Al 396.140	54.0	52.4	-44.3763	µg/L	-44.3763	µg/L
1	As 188.979	15.1	14.7	42.1134	µg/L	42.1134	µg/L
1	B 249.773	628.0	609.3	35.8090	µg/L	35.8090	µg/L
1	Ba 455.403	64651.1	62721.7	76.6967	µg/L	76.6967	µg/L
1	Be 234.861	86.6	84.0	-0.193590	µg/L	-0.193590	µg/L
1	Ca 315.887	897579.5	870792.7	80.6259	mg/L	80.6259	mg/L
1	Cd 214.438	57.2	55.5	-0.0032174	µg/L	-0.0032174	µg/L
1	Ce 413.765	65.5	63.5	6.16648	µg/L	0.0061665	mg/L
1	Co 228.616	-4.5	-4.3	0.691548	µg/L	0.691548	µg/L
1	Cr 205.560	44.6	43.2	-3.56023	µg/L	-3.56023	µg/L
1	Cu 327.394	-183.9	-178.4	-12.2169	µg/L	-12.2169	µg/L
1	Fe 238.204	1133.7	1099.9	100.657	µg/L	100.657	µg/L
1	K 766.514	12454.6	12082.9	2.58962	mg/L	2.58962	mg/L
1	Li 670.781	986.1	956.7	1.03258	µg/L	1.03258	µg/L
1	Mg 279.074	31443.4	30505.0	22.4527	mg/L	22.4527	mg/L
1	Mn 257.610	6823.0	6619.4	81.2796	µg/L	81.2796	µg/L
1	Mo 202.031	3.7	3.6	-10.5506	µg/L	-10.5506	µg/L
1	Na 589.594	909582.0	882437.0	51.1749	mg/L	51.1749	mg/L
1	Ni 231.603	65.5	63.5	-9.18324	µg/L	-9.18324	µg/L
1	Pb 220.353	-2.8	-2.8	2.16630	µg/L	2.16630	µg/L
1	Sb 206.831	1.6	1.5	13.4303	µg/L	13.4303	µg/L
1	Se 196.026	62.9	61.0	-89.1552	µg/L	-89.1552	µg/L
1	Si 251.611	29279.8	28406.0	4803.78	µg/L	4803.78	µg/L
1	Sn 189.933	-21.3	-20.7	-185.523	µg/L	-185.523	µg/L
1	Sr 407.771	241249.9	234050.1	144.783	µg/L	144.783	µg/L
1	Ti 334.941	1919.7	1862.4	1.36878	µg/L	1.36878	µg/L
1	Tl 190.800	13.4	13.0	-41.4041	µg/L	-41.4041	µg/L
1	V 292.402	-257.5	-249.8	3.15122	µg/L	3.15122	µg/L
1	Zn 206.200	16.4	15.9	5.77133	µg/L	5.77133	µg/L
2	Sc 357.253	496556.9	496556.9	103.8	µg/L		
2	Y 360.064	301400.3	301400.3	103.8	µg/L		
2	Ag 328.068	-39.3	-37.9	1.23205	µg/L	1.23205	µg/L
2	Al 396.140	25.6	24.7	-47.6763	µg/L	-47.6763	µg/L
2	As 188.979	-0.7	-0.6	-40.6115	µg/L	-40.6115	µg/L
2	B 249.773	649.5	625.6	37.2456	µg/L	37.2456	µg/L
2	Ba 455.403	65334.7	62928.4	76.9910	µg/L	76.9910	µg/L
2	Be 234.861	92.5	89.1	-0.140617	µg/L	-0.140617	µg/L
2	Ca 315.887	906905.0	873503.1	80.8768	mg/L	80.8768	mg/L
2	Cd 214.438	67.6	65.1	1.38583	µg/L	1.38583	µg/L

2 Ce 413.765	172.4	166.0	20.3685 µg/L	0.0203685 mg/L
2 Co 228.616	-14.3	-13.8	-1.96658 µg/L	-1.96658 µg/L
2 Cr 205.560	43.6	42.0	-4.61998 µg/L	-4.61998 µg/L
2 Cu 327.394	-130.4	-125.6	-8.91536 µg/L	-8.91536 µg/L
2 Fe 238.204	1113.5	1072.5	97.8690 µg/L	97.8690 µg/L
2 K 766.514	12564.5	12101.7	2.59449 mg/L	2.59449 mg/L
2 Li 670.781	933.2	898.8	0.728564 µg/L	0.728564 µg/L
2 Mg 279.074	31804.3	30632.9	22.5469 mg/L	22.5469 mg/L
2 Mn 257.610	6861.7	6609.0	81.1520 µg/L	81.1520 µg/L
2 Mo 202.031	4.0	3.9	-10.2012 µg/L	-10.2012 µg/L
2 Na 589.594	917460.4	883669.8	51.2467 mg/L	51.2467 mg/L
2 Ni 231.603	79.3	76.4	-2.22318 µg/L	-2.22318 µg/L
2 Pb 220.353	1.8	1.7	17.1956 µg/L	17.1956 µg/L
2 Sb 206.831	-8.9	-8.5	-33.6042 µg/L	-33.6042 µg/L
2 Se 196.026	67.1	64.7	-63.3939 µg/L	-63.3939 µg/L
2 Si 251.611	29581.6	28492.1	4819.42 µg/L	4819.42 µg/L
2 Sn 189.933	-20.6	-19.8	-177.298 µg/L	-177.298 µg/L
2 Sr 407.771	243492.5	234524.5	145.082 µg/L	145.082 µg/L
2 Ti 334.941	1806.3	1739.8	0.156960 µg/L	0.156960 µg/L
2 Tl 190.800	26.1	25.1	28.1535 µg/L	28.1535 µg/L
2 V 292.402	-271.6	-261.6	2.46706 µg/L	2.46706 µg/L
2 Zn 206.200	28.5	27.5	10.7708 µg/L	10.7708 µg/L

Mean Data

ID: 1001254-02 Seq. No.: 21 Sample No.: 6 A/S Pos: 22
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/25/10 3:00:52 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	494768.8	103.5	0.53	µg/L				0.51%
Y 360.064	300242.1	103.4	0.56	µg/L				0.55%
Ag 328.068	-68.1	0.132196	1.5554356	µg/L	0.132196	1.5554356	µg/L	>999.9%
Al 396.140	38.5	-46.0263	2.33347	µg/L	-46.0263	2.33347	µg/L	5.07%
As 188.979	7.0	0.750982	58.4953164	µg/L	0.750982	58.4953164	µg/L	>999.9%
B 249.773	617.4	36.5273	1.01586	µg/L	36.5273	1.01586	µg/L	2.78%
Ba 455.403	62825.0	76.8439	0.20806	µg/L	76.8439	0.20806	µg/L	0.27%
Be 234.861	86.5	-0.167103	0.0374577	µg/L	-0.167103	0.0374577	µg/L	22.42%
Ca 315.887	872147.9	80.7514	0.17740	mg/L	80.7514	0.17740	mg/L	0.22%
Cd 214.438	60.3	0.691304	0.9822019	µg/L	0.691304	0.9822019	µg/L	142.08%
Ce 413.765	114.8	13.2675	10.04235	µg/L	0.0132675	0.01004235	mg/L	75.69%
Co 228.616	-9.1	-0.637514	1.8795775	µg/L	-0.637514	1.8795775	µg/L	294.83%
Cr 205.560	42.6	-4.09010	0.749352	µg/L	-4.09010	0.749352	µg/L	18.32%
Cu 327.394	-152.0	-10.5661	2.33455	µg/L	-10.5661	2.33455	µg/L	22.09%
Fe 238.204	1086.2	99.2630	1.97130	µg/L	99.2630	1.97130	µg/L	1.99%
K 766.514	12092.3	2.59206	0.003440	mg/L	2.59206	0.003440	mg/L	0.13%
Li 670.781	927.8	0.880574	0.2149756	µg/L	0.880574	0.2149756	µg/L	24.41%
Mg 279.074	30569.0	22.4998	0.06657	mg/L	22.4998	0.06657	mg/L	0.30%
Mn 257.610	6614.2	81.2158	0.09026	µg/L	81.2158	0.09026	µg/L	0.11%
Mo 202.031	3.7	-10.3759	0.24707	µg/L	-10.3759	0.24707	µg/L	2.38%
Na 589.594	883053.4	51.2108	0.05081	mg/L	51.2108	0.05081	mg/L	0.10%
Ni 231.603	70.0	-5.70321	4.921512	µg/L	-5.70321	4.921512	µg/L	86.29%
Pb 220.353	-0.5	9.68095	10.627318	µg/L	9.68095	10.627318	µg/L	109.78%
Sb 206.831	-3.5	-10.0869	33.25841	µg/L	-10.0869	33.25841	µg/L	329.72%
Se 196.026	62.8	-76.2745	18.21599	µg/L	-76.2745	18.21599	µg/L	23.88%
Si 251.611	28449.1	4811.60	11.056	µg/L	4811.60	11.056	µg/L	0.23%
Sn 189.933	-20.3	-181.411	5.8161	µg/L	-181.411	5.8161	µg/L	3.21%
Sr 407.771	234287.3	144.933	0.2110	µg/L	144.933	0.2110	µg/L	0.15%
Ti 334.941	1801.1	0.762870	0.8568865	µg/L	0.762870	0.8568865	µg/L	112.32%
Tl 190.800	19.1	-6.62528	49.184644	µg/L	-6.62528	49.184644	µg/L	742.38%
V 292.402	-255.7	2.80914	0.483774	µg/L	2.80914	0.483774	µg/L	17.22%
Zn 206.200	21.7	8.27109	3.535187	µg/L	8.27109	3.535187	µg/L	42.74%

Replicate Data

ID: 0A25054-CCV Date: 1/25/10 3:04:19 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	486073.2	486073.2	101.6	µg/L		
1	Y 360.064	295401.9	295401.9	101.7	µg/L		
1	Ag 328.068	14116.5	13889.9	507.398	µg/L		

1	Al 396.140	22186.9	21830.7	2550.46	µg/L
1	As 188.979	484.5	476.7	2535.49	µg/L
1	B 249.773	5931.9	5836.7	496.583	µg/L
1	Ba 455.403	369275.6	363346.2	504.804	µg/L
1	Be 234.861	5068.4	4987.0	50.9353	µg/L
1	Ca 315.887	55715.5	54820.9	5.09685	mg/L
1	Cd 214.438	3618.6	3560.4	503.337	µg/L
1	Ce 413.765	78.2	76.9	8.02970	µg/L
1	Co 228.616	1825.8	1796.4	505.983	µg/L
1	Cr 205.560	684.9	673.9	517.638	µg/L
1	Cu 327.394	8378.2	8243.7	513.863	µg/L
1	Fe 238.204	5157.8	5075.0	504.990	µg/L
1	K 766.514	22381.9	22022.6	5.15258	mg/L
1	Li 670.781	98196.9	96620.2	503.794	µg/L
1	Mg 279.074	7023.1	6910.4	5.07520	mg/L
1	Mn 257.610	42139.9	41463.2	510.149	µg/L
1	Mo 202.031	374.6	368.6	501.546	µg/L
1	Na 589.594	91556.4	90086.3	4.99781	mg/L
1	Ni 231.603	1027.6	1011.1	502.871	µg/L
1	Pb 220.353	157.2	154.7	534.645	µg/L
1	Sb 206.831	549.3	540.5	2535.44	µg/L
1	Se 196.026	439.6	432.5	2502.30	µg/L
1	Si 251.611	16144.1	15884.9	2531.22	µg/L
1	Sn 189.933	262.3	258.1	2502.84	µg/L
1	Sr 407.771	819875.5	806710.9	505.116	µg/L
1	Ti 334.941	53820.1	52955.9	506.042	µg/L
1	Tl 190.800	468.1	460.6	2519.02	µg/L
1	V 292.402	8583.0	8445.2	510.666	µg/L
1	Zn 206.200	1208.2	1188.8	513.963	µg/L
2	Sc 357.253	487182.2	487182.2	101.9	µg/L
2	Y 360.064	296406.5	296406.5	102.1	µg/L
2	Ag 328.068	14175.3	13916.0	508.347	µg/L
2	Al 396.140	22309.8	21901.6	2558.91	µg/L
2	As 188.979	503.2	494.0	2628.61	µg/L
2	B 249.773	5935.1	5826.5	495.686	µg/L
2	Ba 455.403	374253.3	367405.8	510.585	µg/L
2	Be 234.861	5054.3	4961.8	50.6731	µg/L
2	Ca 315.887	55843.7	54822.0	5.09692	mg/L
2	Cd 214.438	3626.6	3560.2	503.306	µg/L
2	Ce 413.765	54.3	53.3	4.74824	µg/L
2	Co 228.616	1834.5	1800.9	507.233	µg/L
2	Cr 205.560	679.4	667.0	511.880	µg/L
2	Cu 327.394	8441.8	8287.4	516.593	µg/L
2	Fe 238.204	5164.3	5069.9	504.464	µg/L
2	K 766.514	22424.1	22013.9	5.15033	mg/L
2	Li 670.781	99390.0	97571.5	508.793	µg/L
2	Mg 279.074	7044.7	6915.8	5.07921	mg/L
2	Mn 257.610	42165.8	41394.3	509.301	µg/L
2	Mo 202.031	381.1	374.2	509.332	µg/L
2	Na 589.594	93185.4	91480.4	5.07902	mg/L
2	Ni 231.603	1036.1	1017.1	506.159	µg/L
2	Pb 220.353	155.3	152.5	527.160	µg/L
2	Sb 206.831	556.0	545.8	2560.33	µg/L
2	Se 196.026	445.0	436.8	2532.41	µg/L
2	Si 251.611	16545.8	16243.1	2596.23	µg/L
2	Sn 189.933	267.8	262.9	2549.65	µg/L
2	Sr 407.771	830809.9	815608.8	510.715	µg/L
2	Ti 334.941	53897.6	52911.5	505.603	µg/L
2	Tl 190.800	476.8	468.1	2561.55	µg/L
2	V 292.402	8539.0	8382.7	507.017	µg/L
2	Zn 206.200	1202.1	1180.1	510.188	µg/L

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

LD: 0A25054-CCV Seq. No.: 22 Sample No.: 8 A/S Pos: 4

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

Data: Original Date: 1/25/10 3:04:19 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	486627.7	101.7	0.16	µg/L				0.16%
Y 360.064	295904.2	101.9	0.24	µg/L				0.24%

Ag 328.068	13902.9	507.873	0.6709 µg/L	0.13%
Al 396.140	21866.2	2554.68	5.978 µg/L	0.23%
As 188.979	485.4	2582.05	65.848 µg/L	2.55%
B 249.773	5831.6	496.135	0.6341 µg/L	0.13%
Ba 455.403	365376.0	507.695	4.0878 µg/L	0.81%
Be 234.861	4974.4	50.8042	0.18543 µg/L	0.36%
Ca 315.887	54821.4	5.09688	0.000054 mg/L	0.00%
Cd 214.438	3560.3	503.321	0.0220 µg/L	0.00%
Ce 413.765	65.1	6.38897	2.320349 µg/L	36.32%
Co 228.616	1798.7	506.608	0.8842 µg/L	0.17%
Cr 205.560	670.4	514.759	4.0720 µg/L	0.79%
Cu 327.394	8265.5	515.228	1.9304 µg/L	0.37%
Fe 238.204	5072.4	504.727	0.3720 µg/L	0.07%
K 766.514	22018.2	5.15146	0.001588 mg/L	0.03%
Li 670.781	97095.8	506.293	3.5350 µg/L	0.70%
Mg 279.074	6913.1	5.07721	0.002837 mg/L	0.06%
Mn 257.610	41428.8	509.725	0.6000 µg/L	0.12%
Mo 202.031	371.4	505.439	5.5053 µg/L	1.09%
Na 589.594	90783.4	5.03841	0.057427 mg/L	1.14%
Ni 231.603	1014.1	504.515	2.3248 µg/L	0.46%
Pb 220.353	153.6	530.903	5.2927 µg/L	1.00%
Sb 206.831	543.1	2547.88	17.601 µg/L	0.69%
Se 196.026	434.7	2517.36	21.288 µg/L	0.85%
Si 251.611	16064.0	2563.72	45.974 µg/L	1.79%
Sn 189.933	260.5	2526.24	33.101 µg/L	1.31%
Sr 407.771	811159.9	507.916	3.9589 µg/L	0.78%
Ti 334.941	52933.7	505.822	0.3107 µg/L	0.06%
Tl 190.800	464.4	2540.29	30.076 µg/L	1.18%
V 292.402	8414.0	508.841	2.5798 µg/L	0.51%
Zn 206.200	1184.5	512.075	2.6694 µg/L	0.52%

Replicate Data

ID: 0A25054-CCB Date: 1/25/10 3:07:43 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	482295.7	482295.7	100.8	µg/L		
1	Y 360.064	293617.7	293617.7	101.1	µg/L		
1	Ag 328.068	13.8	13.7	3.10483	µg/L		
1	Al 396.140	259.0	256.8	-20.0183	µg/L		
1	As 188.979	3.7	3.7	-17.2876	µg/L		
1	B 249.773	190.4	188.8	-1.25701	µg/L		
1	Ba 455.403	8246.9	8178.1	-0.976747	µg/L		
1	Be 234.861	81.4	80.7	-0.227800	µg/L		
1	Ca 315.887	-501.0	-496.9	-0.0210150	mg/L		
1	Cd 214.438	35.5	35.2	-2.91287	µg/L		
1	Ce 413.765	-23.5	-23.3	-5.86598	µg/L		
1	Co 228.616	-4.7	-4.6	0.610084	µg/L		
1	Cr 205.560	53.0	52.5	4.12740	µg/L		
1	Cu 327.394	-39.5	-39.2	-3.51730	µg/L		
1	Fe 238.204	104.3	103.5	-0.696422	µg/L		
1	K 766.514	2080.2	2062.9	-0.0014636	mg/L		
1	Li 670.781	480.1	476.1	-1.49323	µg/L		
1	Mg 279.074	8.7	8.6	-0.0046604	mg/L		
1	Mn 257.610	-181.8	-180.3	-2.41268	µg/L		
1	Mo 202.031	-0.4	-0.4	-16.1911	µg/L		
1	Na 589.594	3342.9	3315.0	-0.0572699	mg/L		
1	Ni 231.603	75.3	74.7	-3.16080	µg/L		
1	Pb 220.353	-0.8	-0.8	8.86992	µg/L		
1	Sb 206.831	9.3	9.3	49.7180	µg/L		
1	Se 196.026	75.8	75.2	9.87710	µg/L		
1	Si 251.611	1992.0	1975.4	6.65693	µg/L		
1	Sn 189.933	-4.4	-4.3	-27.8994	µg/L		
1	Sr 407.771	1121.6	1112.2	-1.78704	µg/L		
1	Ti 334.941	1713.1	1698.8	-0.247507	µg/L		
1	Tl 190.800	13.4	13.3	-39.7991	µg/L		
1	V 292.402	-313.4	-310.8	-0.406629	µg/L		
1	Zn 206.200	-5.6	-5.6	-3.53616	µg/L		
2	Sc 357.253	475831.9	475831.9	99.5	µg/L		
2	Y 360.064	289696.6	289696.6	99.8	µg/L		

2 Ag 328.068	-82.1	-82.5	-0.390564	µg/L
2 Al 396.140	133.0	133.7	-34.6896	µg/L
2 As 188.979	8.4	8.4	8.35613	µg/L
2 B 249.773	163.3	164.1	-3.42917	µg/L
2 Ba 455.403	8136.3	8177.9	-0.976904	µg/L
2 Be 234.861	82.1	82.5	-0.209414	µg/L
2 Ca 315.887	-436.1	-438.4	-0.0156021	mg/L
2 Cd 214.438	46.9	47.2	-1.19629	µg/L
2 Ce 413.765	67.0	67.3	6.69220	µg/L
2 Co 228.616	-8.8	-8.9	-0.583423	µg/L
2 Cr 205.560	43.8	44.0	-2.93150	µg/L
2 Cu 327.394	-68.1	-68.5	-5.34929	µg/L
2 Fe 238.204	113.9	114.5	0.426658	µg/L
2 K 766.514	2060.4	2071.0	0.0006265	mg/L
2 Li 670.781	538.3	541.1	-1.15173	µg/L
2 Mg 279.074	-37.0	-37.2	-0.0383443	mg/L
2 Mn 257.610	-194.9	-195.9	-2.60423	µg/L
2 Mo 202.031	6.7	6.7	-6.23410	µg/L
2 Na 589.594	3392.6	3410.0	-0.0517357	mg/L
2 Ni 231.603	66.9	67.3	-7.16548	µg/L
2 Pb 220.353	3.8	3.8	24.4096	µg/L
2 Sb 206.831	-7.9	-7.9	-30.6435	µg/L
2 Se 196.026	77.9	78.3	31.7576	µg/L
2 Si 251.611	1862.7	1872.3	-12.0636	µg/L
2 Sn 189.933	-0.7	-0.7	7.29417	µg/L
2 Sr 407.771	1090.7	1096.3	-1.79709	µg/L
2 Ti 334.941	1668.0	1676.5	-0.467424	µg/L
2 Tl 190.800	16.4	16.4	-21.6439	µg/L
2 V 292.402	-279.7	-281.2	1.32427	µg/L
2 Zn 206.200	1.1	1.1	-0.658816	µg/L

Mean Data

ID: 0A25054-CCB Seq. No.: 23 Sample No.: 9 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 1/25/10 3:07:43 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	479063.8	100.2	0.96	µg/L				0.95%
Y 360.064	291657.1	100.4	0.95	µg/L				0.95%
Ag 328.068	-34.4	1.35713	2.471616	µg/L				182.12%
Al 396.140	195.2	-27.3539	10.37414	µg/L				37.93%
As 188.979	6.1	-4.46572	18.132823	µg/L				406.05%
B 249.773	176.5	-2.34309	1.535946	µg/L				65.55%
Ba 455.403	8178.0	-0.976826	0.0001109	µg/L				0.01%
Be 234.861	81.6	-0.218607	0.0130008	µg/L				5.95%
Ca 315.887	-467.6	-0.0183086	0.00382752	mg/L				20.91%
Cd 214.438	41.2	-2.05458	1.213801	µg/L				59.08%
Ce 413.765	22.0	0.413111	8.8799743	µg/L				>999.9%
Co 228.616	-6.7	0.0133309	0.84393682	µg/L				>999.9%
Cr 205.560	48.3	0.597953	4.9913938	µg/L				834.75%
Cu 327.394	-53.8	-4.43329	1.295410	µg/L				29.22%
Fe 238.204	109.0	-0.134882	0.7941372	µg/L				588.77%
K 766.514	2066.9	-0.0004185	0.00147795	mg/L				353.12%
Li 670.781	508.6	-1.32248	0.241480	µg/L				18.26%
Mg 279.074	-14.3	-0.0215024	0.02381810	mg/L				110.77%
Mn 257.610	-188.1	-2.50845	0.135444	µg/L				5.40%
Mo 202.031	3.1	-11.2126	7.04067	µg/L				62.79%
Na 589.594	3362.5	-0.0545028	0.00391329	mg/L				7.18%
Ni 231.603	71.0	-5.16314	2.831732	µg/L				54.85%
Pb 220.353	1.5	16.6398	10.98821	µg/L				66.04%
Sb 206.831	0.7	9.53729	56.824157	µg/L				595.81%
Se 196.026	76.7	20.8173	15.47182	µg/L				74.32%
Si 251.611	1923.8	-2.70332	13.237400	µg/L				489.67%
Sn 189.933	-2.5	-10.3026	24.88562	µg/L				241.55%
Sr 407.771	1104.3	-1.79206	0.007103	µg/L				0.40%
Ti 334.941	1687.7	-0.357466	0.1555048	µg/L				43.50%
Tl 190.800	14.8	-30.7215	12.83769	µg/L				41.79%
V 292.402	-296.0	0.458820	1.2239303	µg/L				266.76%
Zn 206.200	-2.2	-2.09749	2.034590	µg/L				97.00%

Due: 2/2
calib. OA28004

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 311
Date: 1/27/10
Analyst: JMF

Data File: OA27004
Calibration BLK/ICB/CCB: 5%HNO3/1109060/10%HCL/4109050
Internal Standard #: 0010802

Autosampler Position:

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

Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
1/17	1000576-BLK1				35/51	15			
2/18	BS1				36/52	16			
3/19	1001254-03				37/53	1001254-09	0.2	10	50X
4/20	04				38/54	SRD3	0.04		250X
5/21	05				39/55	PS2	0.2		50X
6/22	06				40/56	1001256-07	0.05		200X
7/23	07				41/57	SRD4	0.01		1000X
8/24	08				42/58	PS2	0.05		200X
9/25	09				43/59	1001256-07	0.4		25X
10/26	MS1				44/60	SRD5	0.08		125X
11/27	MSD1				45/61	PS3	0.4		25X
12/28	SRD1				46/62				
13/29	PS1				47/63				
14/30	10				48/64				
15/31	1000596-BLK1				49/65				
16/32	BS1				50/66				
17/33	1001256-01				51/67				
18/34	02				52/68				
19/35	03				53/69				
20/36	04				54/70				
21/37	05				55/71				
22/38	06				56/72				
23/39	07				57/73				
24/40	MS1				58/74				
25/41	MSD1				59/75				
26/42	SRD2				60/76				
27/43	PS1				61/77				
28/44	08				62/78				
29/45	09				63/79				
30/46	10				64/80				
31/47	11				65/81				
32/48	12				66/82				
33/49	13				67/83				
34/50	14				68/84				

Analysis Begun

Start Time: 1/27/2010 9:17:42 AM
Logged In Analyst: analystME
Spectrometer Model: Optima 5300 DV, S/N 077C7032601
Plasma On Time: 1/27/2010 6:37:31 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\analystME\Sample Information\0A27004.sif
Batch ID:
Results Data Set: 0A27004
Results Library: C:\pe\analystME\Results\Results.mdb

Sequence No.: 1
Sample ID: CAL1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 1/27/2010 9:17:43 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CAL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.076	153074.8	153074.8	99.7368	%	09:18:48
1	Al 396.153†	190.6	191.1	[0.00]	mg/L	09:18:48
1	Ba 455.398†	45.8	45.9	[0.00]	mg/L	09:18:48
1	Ca 315.887†	128.9	129.3	[0.00]	mg/L	09:19:08
1	Fe 238.204†	34.4	34.5	[0.00]	mg/L	09:19:08
1	K 766.490	-23.3	-23.3	[0.00]	mg/L	09:18:48
1	Li 670.784†	-12.2	-12.2	[0.00]	mg/L	09:18:48
1	Mg 279.071†	16.0	16.0	[0.00]	mg/L	09:19:08
1	Na 589.592†	809.5	811.6	[0.00]	mg/L	09:18:48
1	Sr 407.771†	633.2	634.9	[0.00]	mg/L	09:18:48
1	Ti 334.940†	-6.4	-6.4	[0.00]	mg/L	09:19:08
1	Sc 357.234	228841.0	228841.0	100.163	%	09:19:39
1	Ag 328.068†	-35.9	-35.9	[0.00]	mg/L	09:19:39
1	As 188.979†	-19.5	-19.5	[0.00]	mg/L	09:19:59
1	B 249.677†	410.5	409.8	[0.00]	mg/L	09:19:59
1	Be 234.861†	-801.6	-800.3	[0.00]	mg/L	09:19:59
1	Cd 214.437†	194.7	194.4	[0.00]	mg/L	09:19:59
1	Ce 413.764†	303.2	302.7	[0.00]	mg/L	09:19:39
1	Co 228.616†	-73.6	-73.5	[0.00]	mg/L	09:19:59
1	Cr 205.557†	-20.4	-20.4	[0.00]	mg/L	09:19:59
1	Cu 327.397†	264.1	263.7	[0.00]	mg/L	09:19:39
1	Mn 257.610†	184.1	183.8	[0.00]	mg/L	09:19:59
1	Mo 202.031†	74.7	74.5	[0.00]	mg/L	09:19:59
1	Ni 231.604†	437.9	437.1	[0.00]	mg/L	09:19:59
1	Pb 220.353†	-23.8	-23.7	[0.00]	mg/L	09:19:59
1	Sb 217.584†	-46.5	-46.4	[0.00]	mg/L	09:19:59
1	Se 196.026†	-40.7	-40.7	[0.00]	mg/L	09:19:59
1	Si 251.611†	764.9	763.6	[0.00]	mg/L	09:19:59
1	Sn 189.927†	19.6	19.5	[0.00]	mg/L	09:19:59
1	Tl 190.801†	-37.0	-36.9	[0.00]	mg/L	09:19:59
1	V 292.395†	-1316.6	-1314.5	[0.00]	mg/L	09:19:39
1	Zn 206.200†	-62.6	-62.5	[0.00]	mg/L	09:19:59
2	Y 360.076	153882.8	153882.8	100.263	%	09:19:13
2	Al 396.153†	199.8	199.3	[0.00]	mg/L	09:19:13
2	Ba 455.398†	-52.6	-52.4	[0.00]	mg/L	09:19:13
2	Ca 315.887†	133.2	132.8	[0.00]	mg/L	09:19:33
2	Fe 238.204†	30.1	30.0	[0.00]	mg/L	09:19:33
2	K 766.490	-16.3	-16.3	[0.00]	mg/L	09:19:13
2	Li 670.784†	-29.9	-29.9	[0.00]	mg/L	09:19:13
2	Mg 279.071†	12.5	12.5	[0.00]	mg/L	09:19:33
2	Na 589.592†	741.6	739.7	[0.00]	mg/L	09:19:13
2	Sr 407.771†	675.7	673.9	[0.00]	mg/L	09:19:13
2	Ti 334.940†	-5.5	-5.5	[0.00]	mg/L	09:19:33
2	Sc 357.234	228098.0	228098.0	99.8374	%	09:20:04
2	Ag 328.068†	-16.4	-16.5	[0.00]	mg/L	09:20:04
2	As 188.979†	-20.6	-20.6	[0.00]	mg/L	09:20:24
2	B 249.677†	384.9	385.5	[0.00]	mg/L	09:20:24

2	Be 234.861†	-787.9	-789.2	[0.00] mg/L	09:20:24
2	Cd 214.437†	204.1	204.4	[0.00] mg/L	09:20:24
2	Ce 413.764†	342.8	343.3	[0.00] mg/L	09:20:04
2	Co 228.616†	-73.5	-73.6	[0.00] mg/L	09:20:24
2	Cr 205.557†	-26.1	-26.1	[0.00] mg/L	09:20:24
2	Cu 327.397†	245.7	246.1	[0.00] mg/L	09:20:04
2	Mn 257.610†	179.0	179.2	[0.00] mg/L	09:20:24
2	Mo 202.031†	87.8	87.9	[0.00] mg/L	09:20:24
2	Ni 231.604†	439.3	440.0	[0.00] mg/L	09:20:24
2	Pb 220.353†	-26.1	-26.1	[0.00] mg/L	09:20:24
2	Sb 217.584†	-59.4	-59.5	[0.00] mg/L	09:20:24
2	Se 196.026†	-39.7	-39.7	[0.00] mg/L	09:20:24
2	Si 251.611†	692.0	693.2	[0.00] mg/L	09:20:24
2	Sn 189.927†	10.8	10.8	[0.00] mg/L	09:20:24
2	Tl 190.801†	-38.2	-38.3	[0.00] mg/L	09:20:24
2	V 292.395†	-1312.7	-1314.8	[0.00] mg/L	09:20:04
2	Zn 206.200†	-68.1	-68.2	[0.00] mg/L	09:20:24

Mean Data: CAL1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	228469.5	525.39	0.23%	100.000	%
Y 360.076	153478.8	571.33	0.37%	100.000	%
Ag 328.068†	-26.2	13.72	52.44%	[0.00]	mg/L
Al 396.153†	195.2	5.77	2.96%	[0.00]	mg/L
As 188.979†	-20.0	0.83	4.13%	[0.00]	mg/L
B 249.677†	397.7	17.17	4.32%	[0.00]	mg/L
Ba 455.398†	-3.3	69.52	>999.9%	[0.00]	mg/L
Be 234.861†	-794.7	7.84	0.99%	[0.00]	mg/L
Ca 315.887†	131.1	2.53	1.93%	[0.00]	mg/L
Cd 214.437†	199.4	7.07	3.55%	[0.00]	mg/L
Ce 413.764†	323.0	28.75	8.90%	[0.00]	mg/L
Co 228.616†	-73.6	0.10	0.14%	[0.00]	mg/L
Cr 205.557†	-23.2	4.06	17.47%	[0.00]	mg/L
Cu 327.397†	254.9	12.45	4.89%	[0.00]	mg/L
Fe 238.204†	32.2	3.16	9.80%	[0.00]	mg/L
K 766.490	-19.8	4.90	24.75%	[0.00]	mg/L
Li 670.784†	-21.0	12.47	59.28%	[0.00]	mg/L
Mg 279.071†	14.2	2.50	17.54%	[0.00]	mg/L
Mn 257.610†	181.5	3.19	1.76%	[0.00]	mg/L
Mo 202.031†	81.2	9.45	11.64%	[0.00]	mg/L
Na 589.592†	775.6	50.84	6.55%	[0.00]	mg/L
Ni 231.604†	438.6	2.00	0.46%	[0.00]	mg/L
Pb 220.353†	-24.9	1.68	6.76%	[0.00]	mg/L
Sb 217.584†	-52.9	9.27	17.50%	[0.00]	mg/L
Se 196.026†	-40.2	0.67	1.66%	[0.00]	mg/L
Si 251.611†	728.4	49.82	6.84%	[0.00]	mg/L
Sn 189.927†	15.2	6.17	40.73%	[0.00]	mg/L
Sr 407.771†	654.4	27.62	4.22%	[0.00]	mg/L
Ti 334.940†	-6.0	0.69	11.53%	[0.00]	mg/L
Tl 190.801†	-37.6	0.97	2.58%	[0.00]	mg/L
V 292.395†	-1314.6	0.26	0.02%	[0.00]	mg/L
Zn 206.200†	-65.4	4.08	6.24%	[0.00]	mg/L

==========

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

Autosampler Location: 2
Date Collected: 1/27/2010 9:21:36 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CAL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.076	154733.1	154733.1	100.817	%	09:22:41
1	Al 396.153†	438.8	240.0	[0.050]	mg/L	09:22:41
1	Ba 455.398†	2980.8	2959.9	[0.010]	mg/L	09:22:41
1	Ca 315.887†	974.2	835.3	[0.500]	mg/L	09:23:01
1	Fe 238.204†	68.2	35.4	[0.010]	mg/L	09:23:01

1	K 766.490	90.3	110.1	[0.100] mg/L	09:22:41
1	Li 670.784†	263.9	282.8	[0.0080] mg/L	09:22:41
1	Mg 279.071†	266.8	250.4	[0.500] mg/L	09:23:01
1	Na 589.592†	4219.0	3409.2	[0.500] mg/L	09:22:41
1	Sr 407.771†	40350.7	39369.2	[0.050] mg/L	09:22:41
1	Sc 357.234	228076.2	228076.2	99.8279 %	09:23:33
1	Ag 328.068†	356.5	383.3	[0.005] mg/L	09:23:33
1	As 188.979†	49.7	69.8	[0.100] mg/L	09:23:53
1	B 249.677†	1622.2	1227.4	[0.050] mg/L	09:23:53
1	Be 234.861†	-572.9	220.8	[0.0010] mg/L	09:23:53
1	Cd 214.437†	362.0	163.2	[0.0050] mg/L	09:23:53
1	Co 228.616†	-3.4	70.2	[0.010] mg/L	09:23:53
1	Cr 205.557†	89.0	112.3	[0.010] mg/L	09:23:53
1	Cu 327.397†	960.4	707.2	[0.010] mg/L	09:23:33
1	Mn 257.610†	1797.7	1619.3	[0.010] mg/L	09:23:53
1	Ni 231.604†	569.9	132.4	[0.010] mg/L	09:23:53
1	Pb 220.353†	67.5	92.5	[0.050] mg/L	09:23:53
1	Sb 217.584†	74.0	127.1	[0.100] mg/L	09:23:53
1	Se 196.026†	11.8	52.0	[0.100] mg/L	09:23:53
1	Si 251.611†	1815.0	1089.7	[0.100] mg/L	09:23:53
1	Sn 189.927†	240.1	225.4	[0.100] mg/L	09:23:53
1	Tl 190.801†	39.7	77.4	[0.100] mg/L	09:23:53
1	V 292.395†	-898.2	414.9	[0.010] mg/L	09:23:53
1	Zn 206.200†	47.9	113.3	[0.010] mg/L	09:23:53
2	Y 360.076	155470.9	155470.9	101.298 %	09:23:07
2	Al 396.153†	455.8	254.8	[0.050] mg/L	09:23:07
2	Ba 455.398†	2985.5	2950.5	[0.010] mg/L	09:23:07
2	Ca 315.887†	981.6	838.0	[0.500] mg/L	09:23:27
2	Fe 238.204†	62.1	29.1	[0.010] mg/L	09:23:27
2	K 766.490	69.5	89.3	[0.100] mg/L	09:23:07
2	Li 670.784†	231.1	249.2	[0.0080] mg/L	09:23:07
2	Mg 279.071†	267.5	249.8	[0.500] mg/L	09:23:27
2	Na 589.592†	4265.5	3435.2	[0.500] mg/L	09:23:07
2	Sr 407.771†	40690.4	39514.6	[0.050] mg/L	09:23:07
2	Sc 357.234	229535.5	229535.5	100.467 %	09:23:58
2	Ag 328.068†	311.7	336.4	[0.005] mg/L	09:23:58
2	As 188.979†	36.2	56.1	[0.100] mg/L	09:24:18
2	B 249.677†	1645.2	1239.8	[0.050] mg/L	09:24:18
2	Be 234.861†	-569.8	227.5	[0.0010] mg/L	09:24:18
2	Cd 214.437†	363.3	162.2	[0.0050] mg/L	09:24:18
2	Co 228.616†	-5.6	68.0	[0.010] mg/L	09:24:18
2	Cr 205.557†	100.5	123.2	[0.010] mg/L	09:24:18
2	Cu 327.397†	959.6	700.3	[0.010] mg/L	09:23:58
2	Mn 257.610†	1792.3	1602.5	[0.010] mg/L	09:24:18
2	Ni 231.604†	573.3	132.1	[0.010] mg/L	09:24:18
2	Pb 220.353†	60.7	85.3	[0.050] mg/L	09:24:18
2	Sb 217.584†	85.5	138.1	[0.100] mg/L	09:24:18
2	Se 196.026†	22.2	62.3	[0.100] mg/L	09:24:18
2	Si 251.611†	1821.1	1084.3	[0.100] mg/L	09:24:18
2	Sn 189.927†	248.6	232.3	[0.100] mg/L	09:24:18
2	Tl 190.801†	47.8	85.2	[0.100] mg/L	09:24:18
2	V 292.395†	-880.9	437.8	[0.010] mg/L	09:24:18
2	Zn 206.200†	50.8	115.9	[0.010] mg/L	09:24:18

Mean Data: CAL2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	228805.9	1031.89	0.45%	100.147	%
Y 360.076	155102.0	521.65	0.34%	101.058	%
Ag 328.068†	359.9	33.15	9.21%	[0.005]	mg/L
Al 396.153†	247.4	10.41	4.21%	[0.050]	mg/L
As 188.979†	62.9	9.71	15.44%	[0.100]	mg/L
B 249.677†	1233.6	8.83	0.72%	[0.050]	mg/L
Ba 455.398†	2955.2	6.61	0.22%	[0.010]	mg/L
Be 234.861†	224.2	4.74	2.11%	[0.0010]	mg/L
Ca 315.887†	836.6	1.90	0.23%	[0.500]	mg/L
Cd 214.437†	162.7	0.73	0.45%	[0.0050]	mg/L
Co 228.616†	69.1	1.55	2.25%	[0.010]	mg/L
Cr 205.557†	117.8	7.70	6.54%	[0.010]	mg/L
Cu 327.397†	703.8	4.91	0.70%	[0.010]	mg/L

Fe 238.204†	32.2	4.44	13.77%	[0.010] mg/L
K 766.490	99.7	14.69	14.73%	[0.100] mg/L
Li 670.784†	266.0	23.79	8.94%	[0.0080] mg/L
Mg 279.071†	250.1	0.42	0.17%	[0.500] mg/L
Mn 257.610†	1610.9	11.92	0.74%	[0.010] mg/L
Na 589.592†	3422.2	18.42	0.54%	[0.500] mg/L
Ni 231.604†	132.2	0.17	0.13%	[0.010] mg/L
Pb 220.353†	88.9	5.13	5.77%	[0.050] mg/L
Sb 217.584†	132.6	7.76	5.85%	[0.100] mg/L
Se 196.026†	57.2	7.24	12.67%	[0.100] mg/L
Si 251.611†	1087.0	3.85	0.35%	[0.100] mg/L
Sn 189.927†	228.8	4.90	2.14%	[0.100] mg/L
Sr 407.771†	39441.9	102.78	0.26%	[0.050] mg/L
Tl 190.801†	81.3	5.51	6.78%	[0.100] mg/L
V 292.395†	426.4	16.18	3.79%	[0.010] mg/L
Zn 206.200†	114.6	1.84	1.61%	[0.010] mg/L

Sequence No.: 3 **Autosampler Location: 3**
Sample ID: CAL3 **Date Collected: 1/27/2010 9:25:32 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: CAL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.076	155843.8	155843.8	101.541	%	09:26:37
1	Al 396.153†	1863.4	1639.9	[0.50]	mg/L	09:26:37
1	Ba 455.398†	29969.6	29518.1	[0.100]	mg/L	09:26:37
1	Ca 315.887†	1831.0	1672.1	[1.000]	mg/L	09:26:57
1	Fe 238.204†	291.9	255.2	[0.100]	mg/L	09:26:57
1	K 766.490	665.0	684.8	[1.000]	mg/L	09:26:37
1	Li 670.784†	3348.7	3318.9	[0.100]	mg/L	09:26:37
1	Mg 279.071†	518.2	496.1	[1.000]	mg/L	09:26:57
1	Na 589.592†	7501.2	6611.7	[1.000]	mg/L	09:26:37
1	Sr 407.771†	81233.1	79345.9	[0.100]	mg/L	09:26:37
1	Ti 334.940†	1553.8	1536.2	[0.100]	mg/L	09:26:57
1	Sc 357.234	229049.6	229049.6	100.254	%	09:27:29
1	Ag 328.068†	6352.0	6362.1	[0.100]	mg/L	09:27:29
1	As 188.979†	309.2	328.4	[0.500]	mg/L	09:27:49
1	B 249.677†	2421.2	2017.4	[0.100]	mg/L	09:27:49
1	Be 234.861†	1351.8	2143.1	[0.010]	mg/L	09:27:49
1	Cd 214.437†	3099.7	2892.5	[0.100]	mg/L	09:27:49
1	Co 228.616†	606.6	678.6	[0.100]	mg/L	09:27:49
1	Cr 205.557†	1192.6	1212.8	[0.100]	mg/L	09:27:49
1	Cu 327.397†	3572.6	3308.7	[0.100]	mg/L	09:27:29
1	Mn 257.610†	16160.9	15938.5	[0.100]	mg/L	09:27:29
1	Mo 202.031†	899.6	816.1	[0.100]	mg/L	09:27:49
1	Ni 231.604†	1730.6	1287.7	[0.100]	mg/L	09:27:49
1	Pb 220.353†	175.5	200.0	[0.100]	mg/L	09:27:49
1	Sb 217.584†	609.4	660.8	[0.500]	mg/L	09:27:49
1	Se 196.026†	204.8	244.5	[0.500]	mg/L	09:27:49
1	Si 251.611†	6137.1	5393.2	[0.500]	mg/L	09:27:29
1	Sn 189.927†	1151.7	1133.7	[0.500]	mg/L	09:27:49
1	Tl 190.801†	403.1	439.7	[0.500]	mg/L	09:27:49
1	V 292.395†	3243.6	4550.0	[0.100]	mg/L	09:27:29
1	Zn 206.200†	1020.2	1083.0	[0.100]	mg/L	09:27:49
2	Y 360.076	155449.4	155449.4	101.284	%	09:27:02
2	Al 396.153†	1858.6	1639.8	[0.50]	mg/L	09:27:02
2	Ba 455.398†	30077.9	29699.9	[0.100]	mg/L	09:27:02
2	Ca 315.887†	1832.2	1677.9	[1.000]	mg/L	09:27:22
2	Fe 238.204†	294.8	258.8	[0.100]	mg/L	09:27:22
2	K 766.490	674.0	693.8	[1.000]	mg/L	09:27:02
2	Li 670.784†	3342.7	3321.4	[0.100]	mg/L	09:27:02
2	Mg 279.071†	513.8	493.1	[1.000]	mg/L	09:27:22
2	Na 589.592†	7507.2	6636.4	[1.000]	mg/L	09:27:02
2	Sr 407.771†	81463.1	79776.0	[0.100]	mg/L	09:27:02
2	Ti 334.940†	1560.7	1546.9	[0.100]	mg/L	09:27:22
2	Sc 357.234	230685.9	230685.9	100.970	%	09:27:54

2	Ag 328.068†	6394.6	6359.4	[0.100] mg/L	09:27:54
2	As 188.979†	310.3	327.4	[0.500] mg/L	09:28:14
2	B 249.677†	2421.1	2000.1	[0.100] mg/L	09:28:14
2	Be 234.861†	1360.7	2142.4	[0.010] mg/L	09:28:14
2	Cd 214.437†	3112.0	2882.7	[0.100] mg/L	09:28:14
2	Co 228.616†	610.3	678.0	[0.100] mg/L	09:28:14
2	Cr 205.557†	1189.8	1201.6	[0.100] mg/L	09:28:14
2	Cu 327.397†	3566.4	3277.3	[0.100] mg/L	09:27:54
2	Mn 257.610†	16086.7	15750.6	[0.100] mg/L	09:27:54
2	Mo 202.031†	904.8	814.9	[0.100] mg/L	09:28:14
2	Ni 231.604†	1744.1	1288.8	[0.100] mg/L	09:28:14
2	Pb 220.353†	169.0	192.3	[0.100] mg/L	09:28:14
2	Sb 217.584†	605.9	653.1	[0.500] mg/L	09:28:14
2	Se 196.026†	212.0	250.2	[0.500] mg/L	09:28:14
2	Si 251.611†	6070.5	5283.8	[0.500] mg/L	09:27:54
2	Sn 189.927†	1153.6	1127.4	[0.500] mg/L	09:28:14
2	Tl 190.801†	399.2	433.0	[0.500] mg/L	09:28:14
2	V 292.395†	3166.6	4450.8	[0.100] mg/L	09:27:54
2	Zn 206.200†	1018.3	1073.9	[0.100] mg/L	09:28:14

Mean Data: CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	229867.8	1157.07	0.50%	100.612	%
Y 360.076	155646.6	278.85	0.18%	101.412	%
Ag 328.068†	6360.7	1.94	0.03%	[0.100]	mg/L
Al 396.153†	1639.8	0.02	0.00%	[0.50]	mg/L
As 188.979†	327.9	0.72	0.22%	[0.500]	mg/L
B 249.677†	2008.7	12.19	0.61%	[0.100]	mg/L
Ba 455.398†	29609.0	128.58	0.43%	[0.100]	mg/L
Be 234.861†	2142.7	0.53	0.02%	[0.010]	mg/L
Ca 315.887†	1675.0	4.11	0.25%	[1.000]	mg/L
Cd 214.437†	2887.6	6.92	0.24%	[0.100]	mg/L
Co 228.616†	678.3	0.45	0.07%	[0.100]	mg/L
Cr 205.557†	1207.2	7.89	0.65%	[0.100]	mg/L
Cu 327.397†	3293.0	22.20	0.67%	[0.100]	mg/L
Fe 238.204†	257.0	2.52	0.98%	[0.100]	mg/L
K 766.490	689.3	6.39	0.93%	[1.000]	mg/L
Li 670.784†	3320.1	1.76	0.05%	[0.100]	mg/L
Mg 279.071†	494.6	2.16	0.44%	[1.000]	mg/L
Mn 257.610†	15844.6	132.87	0.84%	[0.100]	mg/L
Mo 202.031†	815.5	0.88	0.11%	[0.100]	mg/L
Na 589.592†	6624.1	17.45	0.26%	[1.000]	mg/L
Ni 231.604†	1288.2	0.78	0.06%	[0.100]	mg/L
Pb 220.353†	196.1	5.44	2.78%	[0.100]	mg/L
Sb 217.584†	656.9	5.47	0.83%	[0.500]	mg/L
Se 196.026†	247.3	4.06	1.64%	[0.500]	mg/L
Si 251.611†	5338.5	77.33	1.45%	[0.500]	mg/L
Sn 189.927†	1130.5	4.43	0.39%	[0.500]	mg/L
Sr 407.771†	79561.0	304.15	0.38%	[0.100]	mg/L
Ti 334.940†	1541.5	7.57	0.49%	[0.100]	mg/L
Tl 190.801†	436.4	4.77	1.09%	[0.500]	mg/L
V 292.395†	4500.4	70.16	1.56%	[0.100]	mg/L
Zn 206.200†	1078.5	6.44	0.60%	[0.100]	mg/L

==========

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

Autosampler Location: 4
Date Collected: 1/27/2010 9:29:27 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CAL4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.076	159377.5	159377.5	103.843	%	09:30:33
1	Al 396.153†	8287.8	7785.9	[2.50]	mg/L	09:30:53
1	Ba 455.398†	147440.3	141986.7	[0.500]	mg/L	09:30:33
1	Ca 315.887†	8291.9	7853.9	[5.000]	mg/L	09:30:53

1	Fe 238.204†	1333.6	1252.0	[0.500] mg/L	09:30:53
1	K 766.490	3329.2	3349.0	[5.000] mg/L	09:30:53
1	Li 670.784†	16544.8	15953.5	[0.500] mg/L	09:30:53
1	Mg 279.071†	2492.6	2386.1	[5.000] mg/L	09:30:53
1	Na 589.592†	33759.4	31734.3	[5.000] mg/L	09:30:33
1	Sr 407.771†	394847.3	379579.4	[0.500] mg/L	09:30:33
1	Ti 334.940†	7802.8	7520.0	[0.500] mg/L	09:30:53
1	Sc 357.234	233410.9	233410.9	102.163 %	09:31:24
1	Ag 328.068†	32287.1	31629.7	[0.500] mg/L	09:31:24
1	As 188.979†	1594.0	1580.3	[2.500] mg/L	09:31:44
1	B 249.677†	9683.3	9080.7	[0.500] mg/L	09:31:24
1	Be 234.861†	9751.7	10339.9	[0.050] mg/L	09:31:44
1	Cd 214.437†	14361.1	13857.7	[0.500] mg/L	09:31:44
1	Co 228.616†	3294.6	3298.4	[0.500] mg/L	09:31:44
1	Cr 205.557†	5931.0	5828.6	[0.500] mg/L	09:31:44
1	Cu 327.397†	16662.7	16055.0	[0.500] mg/L	09:31:24
1	Mn 257.610†	78817.8	76967.7	[0.500] mg/L	09:31:24
1	Mo 202.031†	4197.3	4027.2	[0.500] mg/L	09:31:44
1	Ni 231.604†	6749.6	6168.1	[0.500] mg/L	09:31:44
1	Pb 220.353†	971.6	976.0	[0.500] mg/L	09:31:44
1	Sb 217.584†	3292.5	3275.8	[2.500] mg/L	09:31:44
1	Se 196.026†	1171.4	1186.8	[2.500] mg/L	09:31:44
1	Si 251.611†	28638.6	27303.9	[2.500] mg/L	09:31:24
1	Sn 189.927†	5721.9	5585.6	[2.500] mg/L	09:31:44
1	Tl 190.801†	2137.2	2129.6	[2.500] mg/L	09:31:44
1	V 292.395†	21121.6	21989.1	[0.500] mg/L	09:31:24
1	Zn 206.200†	5255.0	5209.1	[0.500] mg/L	09:31:44
2	Y 360.076	159467.0	159467.0	103.902 %	09:30:58
2	Al 396.153†	8303.0	7796.0	[2.50] mg/L	09:31:18
2	Ba 455.398†	148617.8	143040.2	[0.500] mg/L	09:30:58
2	Ca 315.887†	8297.1	7854.5	[5.000] mg/L	09:31:18
2	Fe 238.204†	1344.7	1262.0	[0.500] mg/L	09:31:18
2	K 766.490	3335.2	3355.0	[5.000] mg/L	09:31:18
2	Li 670.784†	16588.2	15986.3	[0.500] mg/L	09:31:18
2	Mg 279.071†	2500.0	2391.8	[5.000] mg/L	09:31:18
2	Na 589.592†	34004.4	31951.8	[5.000] mg/L	09:30:58
2	Sr 407.771†	397683.1	382095.2	[0.500] mg/L	09:30:58
2	Ti 334.940†	7822.2	7534.5	[0.500] mg/L	09:31:18
2	Sc 357.234	233234.9	233234.9	102.086 %	09:31:50
2	Ag 328.068†	32038.6	31410.1	[0.500] mg/L	09:31:50
2	As 188.979†	1600.6	1587.9	[2.500] mg/L	09:32:10
2	B 249.677†	9665.7	9070.5	[0.500] mg/L	09:31:50
2	Be 234.861†	9747.8	10343.4	[0.050] mg/L	09:32:10
2	Cd 214.437†	14322.3	13830.3	[0.500] mg/L	09:32:10
2	Co 228.616†	3292.1	3298.4	[0.500] mg/L	09:32:10
2	Cr 205.557†	5925.1	5827.3	[0.500] mg/L	09:32:10
2	Cu 327.397†	16472.9	15881.5	[0.500] mg/L	09:31:50
2	Mn 257.610†	78146.5	76368.3	[0.500] mg/L	09:31:50
2	Mo 202.031†	4192.5	4025.6	[0.500] mg/L	09:32:10
2	Ni 231.604†	6764.0	6187.3	[0.500] mg/L	09:32:10
2	Pb 220.353†	977.7	982.6	[0.500] mg/L	09:32:10
2	Sb 217.584†	3305.5	3290.9	[2.500] mg/L	09:32:10
2	Se 196.026†	1172.1	1188.4	[2.500] mg/L	09:32:10
2	Si 251.611†	28433.1	27123.7	[2.500] mg/L	09:31:50
2	Sn 189.927†	5715.4	5583.5	[2.500] mg/L	09:32:10
2	Tl 190.801†	2124.5	2118.8	[2.500] mg/L	09:32:10
2	V 292.395†	21016.3	21901.5	[0.500] mg/L	09:31:50
2	Zn 206.200†	5253.7	5211.7	[0.500] mg/L	09:32:10

Mean Data: CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	233322.9	124.45	0.05%	102.124	%
Y 360.076	159422.2	63.32	0.04%	103.872	%
Ag 328.068†	31519.9	155.26	0.49%	[0.500]	mg/L
Al 396.153†	7790.9	7.17	0.09%	[2.50]	mg/L
As 188.979†	1584.1	5.36	0.34%	[2.500]	mg/L
B 249.677†	9075.6	7.17	0.08%	[0.500]	mg/L
Ba 455.398†	142513.5	744.95	0.52%	[0.500]	mg/L
Be 234.861†	10341.7	2.43	0.02%	[0.050]	mg/L

Ca 315.887†	7854.2	0.42	0.01%	[5.000] mg/L
Cd 214.437†	13844.0	19.38	0.14%	[0.500] mg/L
Co 228.616†	3298.4	0.02	0.00%	[0.500] mg/L
Cr 205.557†	5828.0	0.93	0.02%	[0.500] mg/L
Cu 327.397†	15968.3	122.72	0.77%	[0.500] mg/L
Fe 238.204†	1257.0	7.07	0.56%	[0.500] mg/L
K 766.490	3352.0	4.25	0.13%	[5.000] mg/L
Li 670.784†	15969.9	23.22	0.15%	[0.500] mg/L
Mg 279.071†	2389.0	4.03	0.17%	[5.000] mg/L
Mn 257.610†	76668.0	423.83	0.55%	[0.500] mg/L
Mo 202.031†	4026.4	1.13	0.03%	[0.500] mg/L
Na 589.592†	31843.0	153.84	0.48%	[5.000] mg/L
Ni 231.604†	6177.7	13.54	0.22%	[0.500] mg/L
Pb 220.353†	979.3	4.70	0.48%	[0.500] mg/L
Sb 217.584†	3283.3	10.70	0.33%	[2.500] mg/L
Se 196.026†	1187.6	1.08	0.09%	[2.500] mg/L
Si 251.611†	27213.8	127.39	0.47%	[2.500] mg/L
Sn 189.927†	5584.5	1.51	0.03%	[2.500] mg/L
Sr 407.771†	380837.3	1778.93	0.47%	[0.500] mg/L
Ti 334.940†	7527.2	10.27	0.14%	[0.500] mg/L
Tl 190.801†	2124.2	7.66	0.36%	[2.500] mg/L
V 292.395†	21945.3	61.90	0.28%	[0.500] mg/L
Zn 206.200†	5210.4	1.82	0.03%	[0.500] mg/L

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: CAL5 **Date Collected: 1/27/2010 9:33:23 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: CAL5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.076	157007.0	157007.0	102.299	%	09:34:30
1	Al 396.153†	16258.1	15697.5	[5.00]	mg/L	09:34:50
1	Ba 455.398†	296463.3	289804.6	[1.000]	mg/L	09:34:30
1	Ca 315.887†	16451.1	15950.4	[10.00]	mg/L	09:34:50
1	Fe 238.204†	2639.1	2547.6	[1.000]	mg/L	09:34:50
1	K 766.490	6568.7	6588.5	[10.000]	mg/L	09:34:50
1	Li 670.784†	33360.5	32631.9	[1.000]	mg/L	09:34:30
1	Mg 279.071†	4975.6	4849.5	[10.000]	mg/L	09:34:50
1	Na 589.592†	67099.0	64815.5	[10.000]	mg/L	09:34:30
1	Sr 407.771†	793657.5	775168.5	[1.000]	mg/L	09:34:30
1	Ti 334.940†	15686.9	15340.4	[1.000]	mg/L	09:34:50
1	Sc 357.234	230835.1	230835.1	101.035	%	09:35:22
1	Ag 328.068†	65197.5	64555.5	[1.000]	mg/L	09:35:22
1	As 188.979†	3218.7	3205.7	[5.000]	mg/L	09:35:42
1	B 249.677†	19265.5	18670.4	[1.000]	mg/L	09:35:22
1	Be 234.861†	20416.9	21002.3	[0.100]	mg/L	09:35:42
1	Cd 214.437†	28429.2	27938.4	[1.000]	mg/L	09:35:42
1	Ce 413.764†	39780.7	39050.0	[1.000]	mg/L	09:35:22
1	Co 228.616†	6639.1	6644.6	[1.000]	mg/L	09:35:42
1	Cr 205.557†	11885.0	11786.5	[1.000]	mg/L	09:35:42
1	Cu 327.397†	33164.9	32570.1	[1.000]	mg/L	09:35:22
1	Mn 257.610†	157018.6	155228.0	[1.000]	mg/L	09:35:22
1	Mo 202.031†	8305.9	8139.5	[1.000]	mg/L	09:35:42
1	Ni 231.604†	13012.3	12440.4	[1.000]	mg/L	09:35:42
1	Pb 220.353†	1983.8	1988.4	[1.000]	mg/L	09:35:42
1	Sb 217.584†	6624.6	6609.7	[5.000]	mg/L	09:35:42
1	Se 196.026†	2394.0	2409.7	[5.000]	mg/L	09:35:42
1	Si 251.611†	56594.6	55286.3	[5.000]	mg/L	09:35:22
1	Sn 189.927†	11452.7	11320.1	[5.000]	mg/L	09:35:42
1	Tl 190.801†	4300.6	4294.1	[5.000]	mg/L	09:35:42
1	V 292.395†	43706.8	44573.5	[1.000]	mg/L	09:35:22
1	Zn 206.200†	10552.7	10509.9	[1.000]	mg/L	09:35:42
2	Y 360.076	156170.7	156170.7	101.754	%	09:34:55
2	Al 396.153†	16307.1	15830.8	[5.00]	mg/L	09:35:15
2	Ba 455.398†	299793.8	294629.5	[1.000]	mg/L	09:34:55
2	Ca 315.887†	16536.1	16120.0	[10.00]	mg/L	09:35:15

2	Fe 238.204†	2652.0	2574.1	[1.000]	mg/L	09:35:15
2	K 766.490	6605.7	6625.5	[10.000]	mg/L	09:35:15
2	Li 670.784†	33661.0	33101.9	[1.000]	mg/L	09:34:55
2	Mg 279.071†	5002.4	4901.9	[10.000]	mg/L	09:35:15
2	Na 589.592†	67632.1	65690.6	[10.000]	mg/L	09:34:55
2	Sr 407.771†	802474.7	787988.0	[1.000]	mg/L	09:34:55
2	Ti 334.940†	15776.8	15510.9	[1.000]	mg/L	09:35:15
2	Sc 357.234	230677.4	230677.4	100.966	%	09:35:47
2	Ag 328.068†	65084.6	64487.8	[1.000]	mg/L	09:35:47
2	As 188.979†	3207.3	3196.7	[5.000]	mg/L	09:36:07
2	B 249.677†	19359.8	18776.8	[1.000]	mg/L	09:35:47
2	Be 234.861†	20347.3	20947.2	[0.100]	mg/L	09:36:07
2	Cd 214.437†	28391.8	27920.7	[1.000]	mg/L	09:36:07
2	Ce 413.764†	39629.0	38926.7	[1.000]	mg/L	09:35:47
2	Co 228.616†	6602.2	6612.6	[1.000]	mg/L	09:36:07
2	Cr 205.557†	11839.2	11749.1	[1.000]	mg/L	09:36:07
2	Cu 327.397†	33017.3	32446.4	[1.000]	mg/L	09:35:47
2	Mn 257.610†	156293.3	154615.8	[1.000]	mg/L	09:35:47
2	Mo 202.031†	8302.5	8141.8	[1.000]	mg/L	09:36:07
2	Ni 231.604†	13000.7	12437.8	[1.000]	mg/L	09:36:07
2	Pb 220.353†	1969.1	1975.2	[1.000]	mg/L	09:36:07
2	Sb 217.584†	6621.4	6611.0	[5.000]	mg/L	09:36:07
2	Se 196.026†	2384.2	2401.6	[5.000]	mg/L	09:36:07
2	Si 251.611†	56462.8	55194.0	[5.000]	mg/L	09:35:47
2	Sn 189.927†	11405.8	11281.5	[5.000]	mg/L	09:36:07
2	Tl 190.801†	4290.3	4286.8	[5.000]	mg/L	09:36:07
2	V 292.395†	43581.2	44478.7	[1.000]	mg/L	09:35:47
2	Zn 206.200†	10519.0	10483.7	[1.000]	mg/L	09:36:07

Mean Data: CAL5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	230756.2	111.50	0.05%	101.001	%
Y 360.076	156588.9	591.32	0.38%	102.026	%
Ag 328.068†	64521.7	47.88	0.07%	[1.000]	mg/L
Al 396.153†	15764.2	94.20	0.60%	[5.00]	mg/L
As 188.979†	3201.2	6.42	0.20%	[5.000]	mg/L
B 249.677†	18723.6	75.26	0.40%	[1.000]	mg/L
Ba 455.398†	292217.0	3411.70	1.17%	[1.000]	mg/L
Be 234.861†	20974.8	38.96	0.19%	[0.100]	mg/L
Ca 315.887†	16035.2	119.95	0.75%	[10.00]	mg/L
Cd 214.437†	27929.6	12.55	0.04%	[1.000]	mg/L
Ce 413.764†	38988.3	87.18	0.22%	[1.000]	mg/L
Co 228.616†	6628.6	22.65	0.34%	[1.000]	mg/L
Cr 205.557†	11767.8	26.40	0.22%	[1.000]	mg/L
Cu 327.397†	32508.3	87.50	0.27%	[1.000]	mg/L
Fe 238.204†	2560.8	18.75	0.73%	[1.000]	mg/L
K 766.490	6607.0	26.15	0.40%	[10.000]	mg/L
Li 670.784†	32866.9	332.32	1.01%	[1.000]	mg/L
Mg 279.071†	4875.7	37.05	0.76%	[10.000]	mg/L
Mn 257.610†	154921.9	432.88	0.28%	[1.000]	mg/L
Mo 202.031†	8140.7	1.62	0.02%	[1.000]	mg/L
Na 589.592†	65253.1	618.81	0.95%	[10.000]	mg/L
Ni 231.604†	12439.1	1.85	0.01%	[1.000]	mg/L
Pb 220.353†	1981.8	9.33	0.47%	[1.000]	mg/L
Sb 217.584†	6610.3	0.92	0.01%	[5.000]	mg/L
Se 196.026†	2405.6	5.71	0.24%	[5.000]	mg/L
Si 251.611†	55240.1	65.27	0.12%	[5.000]	mg/L
Sn 189.927†	11300.8	27.35	0.24%	[5.000]	mg/L
Sr 407.771†	781578.2	9064.78	1.16%	[1.000]	mg/L
Ti 334.940†	15425.6	120.55	0.78%	[1.000]	mg/L
Tl 190.801†	4290.5	5.16	0.12%	[5.000]	mg/L
V 292.395†	44526.1	67.00	0.15%	[1.000]	mg/L
Zn 206.200†	10496.8	18.51	0.18%	[1.000]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	4	Lin, Calc Int	-105.5	64350	0.00000	0.999933	

Al 396.153	4	Lin, Calc Int	37.7	3137	0.00000	0.999959
As 188.979	4	Lin, Calc Int	-0.1	639.1	0.00000	0.999981
B 249.677	4	Lin, Calc Int	104.6	18500	0.00000	0.999700
Ba 455.398	4	Lin, Calc Int	-315.3	291200	0.00000	0.999918
Be 234.861	4	Lin, Calc Int	0.4	209200	0.00000	0.999969
Ca 315.887	4	Lin, Calc Int	13.4	1596	0.00000	0.999923
Cd 214.437	4	Lin, Calc Int	20.8	27860	0.00000	0.999982
Ce 413.764	1	Lin, Calc Int	0.0	38990	0.00000	1.000000
Co 228.616	4	Lin, Calc Int	3.6	6619	0.00000	0.999993
Cr 205.557	4	Lin, Calc Int	2.2	11750	0.00000	0.999983
Cu 327.397	4	Lin, Calc Int	104.4	32270	0.00000	0.999883
Fe 238.204	4	Lin, Calc Int	-0.4	2552	0.00000	0.999950
K 766.490	4	Lin, Calc Int	25.7	659.6	0.00000	0.999973
Li 670.784	4	Lin, Calc Int	-46.0	32740	0.00000	0.999894
Mg 279.071	4	Lin, Calc Int	-1.7	485.9	0.00000	0.999940
Mn 257.610	4	Lin, Calc Int	27.8	154600	0.00000	0.999982
Mo 202.031	3	Lin, Calc Int	-7.5	8133	0.00000	0.999982
Na 589.592	4	Lin, Calc Int	-12.9	6497	0.00000	0.999911
Ni 231.604	4	Lin, Calc Int	10.6	12410	0.00000	0.999986
Pb 220.353	4	Lin, Calc Int	-5.4	1984	0.00000	0.999978
Sb 217.584	4	Lin, Calc Int	-3.8	1321	0.00000	0.999995
Se 196.026	4	Lin, Calc Int	3.2	479.2	0.00000	0.999965
Si 251.611	4	Lin, Calc Int	-111.1	11040	0.00000	0.999972
Sn 189.927	4	Lin, Calc Int	-7.0	2257	0.00000	0.999982
Sr 407.771	4	Lin, Calc Int	-664.5	778600	0.00000	0.999906
Ti 334.940	3	Lin, Calc Int	-34.9	15400	0.00000	0.999914
Tl 190.801	4	Lin, Calc Int	-1.9	857.0	0.00000	0.999984
V 292.395	4	Lin, Calc Int	-31.2	44440	0.00000	0.999972
Zn 206.200	4	Lin, Calc Int	7.1	10480	0.00000	0.999988

Sequence No.: 6
Sample ID: 0A27004-SCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 1/27/2010 9:37:22 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A27004-SCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	153858.2	153858.2	100.247	%			09:38:27
1	Al 396.153†	8087.4	7872.3	2.48910	mg/L	2.48910	mg/L	09:38:48
1	Ba 455.398†	145081.2	144726.7	0.498042	mg/L	0.498042	mg/L	09:38:27
1	Ca 315.887†	8362.6	8211.0	5.13630	mg/L	5.13630	mg/L	09:38:48
1	Fe 238.204†	1337.9	1302.4	0.509772	mg/L	0.509772	mg/L	09:38:48
1	K 766.490	3277.8	3297.6	4.96048	mg/L	4.96048	mg/L	09:38:48
1	Li 670.784†	16590.4	16570.5	0.507463	mg/L	0.507463	mg/L	09:38:48
1	Mg 279.071†	2536.9	2516.4	5.18190	mg/L	5.18190	mg/L	09:38:48
1	Na 589.592†	33271.8	32414.1	4.99078	mg/L	4.99078	mg/L	09:38:27
1	Sr 407.771†	395919.1	394288.3	0.507240	mg/L	0.507240	mg/L	09:38:27
1	Ti 334.940†	7936.0	7922.4	0.516834	mg/L	0.516834	mg/L	09:38:48
1	Sc 357.234	229840.8	229840.8	100.600	%			09:39:19
1	Ag 328.068†	32048.7	31883.7	0.497304	mg/L	0.497304	mg/L	09:39:19
1	As 188.979†	1577.2	1587.8	2.48011	mg/L	2.48011	mg/L	09:39:39
1	B 249.677†	9836.9	9380.5	0.500170	mg/L	0.500170	mg/L	09:39:19
1	Be 234.861†	9722.5	10459.2	0.0498047	mg/L	0.0498047	mg/L	09:39:39
1	Cd 214.437†	14343.2	14058.2	0.503243	mg/L	0.503243	mg/L	09:39:39
1	Ce 413.764†	274.9	-49.7	-0.0013740	mg/L	-0.0013740	mg/L	09:39:19
1	Co 228.616†	3263.8	3317.9	0.499562	mg/L	0.499562	mg/L	09:39:39
1	Cr 205.557†	5991.4	5978.9	0.508572	mg/L	0.508572	mg/L	09:39:39
1	Cu 327.397†	16608.8	16254.9	0.500872	mg/L	0.500872	mg/L	09:39:19
1	Mn 257.610†	78538.1	77888.0	0.503642	mg/L	0.503642	mg/L	09:39:19
1	Mo 202.031†	4208.8	4102.5	0.505355	mg/L	0.505355	mg/L	09:39:39
1	Ni 231.604†	6800.9	6321.7	0.508549	mg/L	0.508549	mg/L	09:39:39
1	Pb 220.353†	975.1	994.2	0.502949	mg/L	0.502949	mg/L	09:39:39
1	Sb 217.584†	2874.1	2909.9	2.20766	mg/L	2.20766	mg/L	09:39:39
1	Se 196.026†	1166.5	1199.7	2.49733	mg/L	2.49733	mg/L	09:39:39
1	Si 251.611†	28244.5	27347.6	2.47349	mg/L	2.47349	mg/L	09:39:19
1	Sn 189.927†	5754.8	5705.3	2.53232	mg/L	2.53232	mg/L	09:39:39
1	Tl 190.801†	2145.8	2170.6	2.53746	mg/L	2.53746	mg/L	09:39:39

1	V 292.395†	20935.1	22124.8	0.503320 mg/L	0.503320 mg/L	09:39:19
1	Zn 206.200†	5220.7	5254.9	0.500925 mg/L	0.500925 mg/L	09:39:39
2	Y 360.076	156288.9	156288.9	101.831 %		09:38:53
2	Al 396.153†	8022.5	7683.1	2.42894 mg/L	2.42894 mg/L	09:39:13
2	Ba 455.398†	146023.1	143400.8	0.493489 mg/L	0.493489 mg/L	09:38:53
2	Ca 315.887†	8278.1	7998.2	5.00303 mg/L	5.00303 mg/L	09:39:13
2	Fe 238.204†	1334.7	1278.4	0.500408 mg/L	0.500408 mg/L	09:39:13
2	K 766.490	3239.7	3259.5	4.90267 mg/L	4.90267 mg/L	09:39:13
2	Li 670.784†	16504.2	16228.5	0.497018 mg/L	0.497018 mg/L	09:39:13
2	Mg 279.071†	2516.4	2456.9	5.05953 mg/L	5.05953 mg/L	09:39:13
2	Na 589.592†	33486.0	32108.2	4.94370 mg/L	4.94370 mg/L	09:38:53
2	Sr 407.771†	398526.2	390706.2	0.502640 mg/L	0.502640 mg/L	09:38:53
2	Ti 334.940†	7868.2	7732.6	0.504510 mg/L	0.504510 mg/L	09:39:13
2	Sc 357.234	232588.0	232588.0	101.803 %		09:39:44
2	Ag 328.068†	31978.3	31438.2	0.490392 mg/L	0.490392 mg/L	09:39:44
2	As 188.979†	1571.1	1563.3	2.44181 mg/L	2.44181 mg/L	09:40:04
2	B 249.677†	9824.7	9253.0	0.493308 mg/L	0.493308 mg/L	09:39:44
2	Be 234.861†	9661.8	10285.4	0.0489777 mg/L	0.0489777 mg/L	09:40:04
2	Cd 214.437†	14277.4	13825.2	0.494889 mg/L	0.494889 mg/L	09:40:04
2	Ce 413.764†	402.9	72.7	0.0017700 mg/L	0.0017700 mg/L	09:39:44
2	Co 228.616†	3242.8	3258.9	0.490675 mg/L	0.490675 mg/L	09:40:04
2	Cr 205.557†	5998.7	5915.7	0.503190 mg/L	0.503190 mg/L	09:40:04
2	Cu 327.397†	16524.2	15976.7	0.492244 mg/L	0.492244 mg/L	09:39:44
2	Mn 257.610†	78196.3	76630.1	0.495506 mg/L	0.495506 mg/L	09:39:44
2	Mo 202.031†	4190.7	4035.3	0.497094 mg/L	0.497094 mg/L	09:40:04
2	Ni 231.604†	6784.1	6225.4	0.500786 mg/L	0.500786 mg/L	09:40:04
2	Pb 220.353†	975.0	982.7	0.497156 mg/L	0.497156 mg/L	09:40:04
2	Sb 217.584†	2867.4	2869.6	2.17709 mg/L	2.17709 mg/L	09:40:04
2	Se 196.026†	1177.8	1197.1	2.49196 mg/L	2.49196 mg/L	09:40:04
2	Si 251.611†	28143.3	26916.6	2.43478 mg/L	2.43478 mg/L	09:39:44
2	Sn 189.927†	5720.3	5603.9	2.48736 mg/L	2.48736 mg/L	09:40:04
2	Tl 190.801†	2146.4	2146.0	2.50876 mg/L	2.50876 mg/L	09:40:04
2	V 292.395†	20825.0	21770.9	0.495279 mg/L	0.495279 mg/L	09:39:44
2	Zn 206.200†	5196.3	5169.6	0.492782 mg/L	0.492782 mg/L	09:40:04

Mean Data: 0A27004-SCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 357.234	231214.4	101.201	%	0.8503				0.84%
Y 360.076	155073.6	101.039	%	1.1199				1.11%
Ag 328.068†	31660.9	0.493848	mg/L	0.0048870	0.493848	mg/L	0.0048870	0.99%
QC value within limits for Ag 328.068 Recovery = 98.77%								
Al 396.153†	7777.7	2.45902	mg/L	0.042542	2.45902	mg/L	0.042542	1.73%
QC value within limits for Al 396.153 Recovery = 98.36%								
As 188.979†	1575.6	2.46096	mg/L	0.027085	2.46096	mg/L	0.027085	1.10%
QC value within limits for As 188.979 Recovery = 98.44%								
B 249.677†	9316.8	0.496739	mg/L	0.0048519	0.496739	mg/L	0.0048519	0.98%
QC value within limits for B 249.677 Recovery = 99.35%								
Ba 455.398†	144063.8	0.495766	mg/L	0.0032192	0.495766	mg/L	0.0032192	0.65%
QC value within limits for Ba 455.398 Recovery = 99.15%								
Be 234.861†	10372.3	0.0493912	mg/L	0.00058481	0.0493912	mg/L	0.00058481	1.18%
QC value within limits for Be 234.861 Recovery = 98.78%								
Ca 315.887†	8104.6	5.06966	mg/L	0.094239	5.06966	mg/L	0.094239	1.86%
QC value within limits for Ca 315.887 Recovery = 101.39%								
Cd 214.437†	13941.7	0.499066	mg/L	0.0059074	0.499066	mg/L	0.0059074	1.18%
QC value within limits for Cd 214.437 Recovery = 99.81%								
Ce 413.764†	11.5	0.0001980	mg/L	0.00222311	0.0001980	mg/L	0.00222311	>999.9%
Co 228.616†	3288.4	0.495118	mg/L	0.0062840	0.495118	mg/L	0.0062840	1.27%
QC value within limits for Co 228.616 Recovery = 99.02%								
Cr 205.557†	5947.3	0.505881	mg/L	0.0038057	0.505881	mg/L	0.0038057	0.75%
QC value within limits for Cr 205.557 Recovery = 101.18%								
Cu 327.397†	16115.8	0.496558	mg/L	0.0061010	0.496558	mg/L	0.0061010	1.23%
QC value within limits for Cu 327.397 Recovery = 99.31%								
Fe 238.204†	1290.4	0.505090	mg/L	0.0066212	0.505090	mg/L	0.0066212	1.31%
QC value within limits for Fe 238.204 Recovery = 101.02%								
K 766.490	3278.5	4.93158	mg/L	0.040875	4.93158	mg/L	0.040875	0.83%
QC value within limits for K 766.490 Recovery = 98.63%								
Li 670.784†	16399.5	0.502240	mg/L	0.0073854	0.502240	mg/L	0.0073854	1.47%
QC value within limits for Li 670.784 Recovery = 100.45%								
Mg 279.071†	2486.6	5.12071	mg/L	0.086526	5.12071	mg/L	0.086526	1.69%

QC value within limits for Mg 279.071 Recovery = 102.41%

Mn 257.610†	77259.1	0.499574 mg/L	0.0057532	0.499574 mg/L	0.0057532	1.15%
QC value within limits for Mn 257.610 Recovery = 99.91%							
Mo 202.031†	4068.9	0.501224 mg/L	0.0058413	0.501224 mg/L	0.0058413	1.17%
QC value within limits for Mo 202.031 Recovery = 100.24%							
Na 589.592†	32261.2	4.96724 mg/L	0.033290	4.96724 mg/L	0.033290	0.67%
QC value within limits for Na 589.592 Recovery = 99.34%							
Ni 231.604†	6273.6	0.504667 mg/L	0.0054896	0.504667 mg/L	0.0054896	1.09%
QC value within limits for Ni 231.604 Recovery = 100.93%							
Pb 220.353†	988.4	0.500052 mg/L	0.0040957	0.500052 mg/L	0.0040957	0.82%
QC value within limits for Pb 220.353 Recovery = 100.01%							
Sb 217.584†	2889.7	2.19237 mg/L	0.021616	2.19237 mg/L	0.021616	0.99%
QC value less than the lower limit for Sb 217.584 Recovery = 87.69%							
Se 196.026†	1198.4	2.49465 mg/L	0.003793	2.49465 mg/L	0.003793	0.15%
QC value within limits for Se 196.026 Recovery = 99.79%							
Si 251.611†	27132.1	2.45414 mg/L	0.027375	2.45414 mg/L	0.027375	1.12%
QC value within limits for Si 251.611 Recovery = 98.17%							
Sn 189.927†	5654.6	2.50984 mg/L	0.031796	2.50984 mg/L	0.031796	1.27%
QC value within limits for Sn 189.927 Recovery = 100.39%							
Sr 407.771†	392497.2	0.504940 mg/L	0.0032530	0.504940 mg/L	0.0032530	0.64%
QC value within limits for Sr 407.771 Recovery = 100.99%							
Ti 334.940†	7827.5	0.510672 mg/L	0.0087145	0.510672 mg/L	0.0087145	1.71%
QC value within limits for Ti 334.940 Recovery = 102.13%							
Tl 190.801†	2158.3	2.52311 mg/L	0.020295	2.52311 mg/L	0.020295	0.80%
QC value within limits for Tl 190.801 Recovery = 100.92%							
V 292.395†	21947.9	0.499299 mg/L	0.0056862	0.499299 mg/L	0.0056862	1.14%
QC value within limits for V 292.395 Recovery = 99.86%							
Zn 206.200†	5212.3	0.496854 mg/L	0.0057575	0.496854 mg/L	0.0057575	1.16%
QC value within limits for Zn 206.200 Recovery = 99.37%							

QC Failed. Continue with analysis.

Sequence No.: 7 **Autosampler Location: 1**
Sample ID: 0A27004-CCB **Date Collected: 1/27/2010 9:41:20 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A27004-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	154413.6	154413.6	100.609	%			09:42:24
1	Al 396.153†	211.2	14.7	-0.0073612	mg/L	-0.0073612	mg/L	09:42:24
1	Ba 455.398†	0.9	4.2	0.0010971	mg/L	0.0010971	mg/L	09:42:24
1	Ca 315.887†	129.9	-2.0	-0.0096445	mg/L	-0.0096445	mg/L	09:42:44
1	Fe 238.204†	32.7	0.3	0.0002702	mg/L	0.0002702	mg/L	09:42:44
1	K 766.490	0.2	20.0	-0.0086600	mg/L	-0.0086600	mg/L	09:42:24
1	Li 670.784†	-36.9	-15.7	0.0009262	mg/L	0.0009262	mg/L	09:42:24
1	Mg 279.071†	18.6	4.3	0.0122994	mg/L	0.0122994	mg/L	09:42:44
1	Na 589.592†	786.9	6.5	0.0029734	mg/L	0.0029734	mg/L	09:42:24
1	Sr 407.771†	739.4	80.5	0.0009568	mg/L	0.0009568	mg/L	09:42:24
1	Ti 334.940†	6.4	12.3	0.0030636	mg/L	0.0030636	mg/L	09:42:44
1	Sc 357.234	225000.4	225000.4	98.4816	%			09:43:16
1	Ag 328.068†	-44.1	-18.6	0.0013555	mg/L	0.0013555	mg/L	09:43:16
1	As 188.979†	-25.4	-5.8	-0.0089998	mg/L	-0.0089998	mg/L	09:43:36
1	B 249.677†	540.1	150.8	0.0024954	mg/L	0.0024954	mg/L	09:43:36
1	Be 234.861†	-782.8	-0.2	-0.0000026	mg/L	-0.0000026	mg/L	09:43:36
1	Cd 214.437†	210.0	13.8	-0.0002494	mg/L	-0.0002494	mg/L	09:43:36
1	Ce 413.764†	361.0	43.6	0.0011165	mg/L	0.0011165	mg/L	09:43:16
1	Co 228.616†	-69.1	3.4	-0.0000338	mg/L	-0.0000338	mg/L	09:43:36
1	Cr 205.557†	-32.9	-10.2	-0.0010514	mg/L	-0.0010514	mg/L	09:43:36
1	Cu 327.397†	284.9	34.4	-0.0021685	mg/L	-0.0021685	mg/L	09:43:16
1	Mn 257.610†	175.3	-3.5	-0.0002027	mg/L	-0.0002027	mg/L	09:43:36
1	Mo 202.031†	83.6	3.7	0.0013782	mg/L	0.0013782	mg/L	09:43:36
1	Ni 231.604†	437.3	5.5	-0.0004136	mg/L	-0.0004136	mg/L	09:43:36
1	Pb 220.353†	-37.0	-12.6	-0.0036463	mg/L	-0.0036463	mg/L	09:43:36
1	Sb 217.584†	-46.5	5.7	0.0071766	mg/L	0.0071766	mg/L	09:43:36
1	Se 196.026†	-41.5	-1.9	-0.0106899	mg/L	-0.0106899	mg/L	09:43:36
1	Si 251.611†	526.5	-193.7	-0.0075627	mg/L	-0.0075627	mg/L	09:43:36
1	Sn 189.927†	28.1	13.4	0.0090221	mg/L	0.0090221	mg/L	09:43:36

1	Tl 190.801†	-37.3	-0.2	0.0020049	mg/L	0.0020049 mg/L	09:43:36
1	V 292.395†	-1296.4	-1.7	0.0006757	mg/L	0.0006757 mg/L	09:43:16
1	Zn 206.200†	-63.5	0.9	-0.0005936	mg/L	-0.0005936 mg/L	09:43:36
2	Y 360.076	154195.6	154195.6	100.467	%		09:42:49
2	Al 396.153†	174.4	-21.7	-0.0189545	mg/L	-0.0189545 mg/L	09:42:49
2	Ba 455.398†	54.0	57.0	0.0012786	mg/L	0.0012786 mg/L	09:42:49
2	Ca 315.887†	130.3	-1.3	-0.0092251	mg/L	-0.0092251 mg/L	09:43:10
2	Fe 238.204†	36.8	4.4	0.0018715	mg/L	0.0018715 mg/L	09:43:10
2	K 766.490	-27.2	-7.4	-0.0501501	mg/L	-0.0501501 mg/L	09:42:49
2	Li 670.784†	18.8	39.8	0.0026187	mg/L	0.0026187 mg/L	09:42:49
2	Mg 279.071†	14.4	0.1	0.0037892	mg/L	0.0037892 mg/L	09:43:10
2	Na 589.592†	816.9	37.4	0.0077392	mg/L	0.0077392 mg/L	09:42:49
2	Sr 407.771†	706.6	48.9	0.0009163	mg/L	0.0009163 mg/L	09:42:49
2	Ti 334.940†	-9.2	-3.2	0.0020565	mg/L	0.0020565 mg/L	09:43:10
2	Sc 357.234	226183.6	226183.6	98.9995	%		09:43:41
2	Ag 328.068†	33.3	59.8	0.0025806	mg/L	0.0025806 mg/L	09:43:41
2	As 188.979†	-26.0	-6.2	-0.0096216	mg/L	-0.0096216 mg/L	09:44:01
2	B 249.677†	528.9	136.6	0.0017316	mg/L	0.0017316 mg/L	09:44:01
2	Be 234.861†	-786.7	0.0	-0.0000021	mg/L	-0.0000021 mg/L	09:44:01
2	Cd 214.437†	207.0	9.7	-0.0003973	mg/L	-0.0003973 mg/L	09:44:01
2	Ce 413.764†	409.5	90.6	0.0023232	mg/L	0.0023232 mg/L	09:43:41
2	Co 228.616†	-74.7	-1.9	-0.0008232	mg/L	-0.0008232 mg/L	09:44:01
2	Cr 205.557†	-26.2	-3.3	-0.0004651	mg/L	-0.0004651 mg/L	09:44:01
2	Cu 327.397†	290.1	38.1	-0.0020527	mg/L	-0.0020527 mg/L	09:43:41
2	Mn 257.610†	171.9	-7.9	-0.0002309	mg/L	-0.0002309 mg/L	09:44:01
2	Mo 202.031†	86.1	5.8	0.0016354	mg/L	0.0016354 mg/L	09:44:01
2	Ni 231.604†	437.1	2.9	-0.0006177	mg/L	-0.0006177 mg/L	09:44:01
2	Pb 220.353†	-26.2	-1.6	0.0019209	mg/L	0.0019209 mg/L	09:44:01
2	Sb 217.584†	-44.7	7.8	0.0087214	mg/L	0.0087214 mg/L	09:44:01
2	Se 196.026†	-43.2	-3.4	-0.0138168	mg/L	-0.0138168 mg/L	09:44:01
2	Si 251.611†	500.1	-223.3	-0.0102108	mg/L	-0.0102108 mg/L	09:44:01
2	Sn 189.927†	25.8	10.9	0.0079056	mg/L	0.0079056 mg/L	09:44:01
2	Tl 190.801†	-39.6	-2.4	-0.0004931	mg/L	-0.0004931 mg/L	09:44:01
2	V 292.395†	-1306.6	-5.1	0.0006017	mg/L	0.0006017 mg/L	09:43:41
2	Zn 206.200†	-60.5	4.2	-0.0002724	mg/L	-0.0002724 mg/L	09:44:01

Mean Data: 0A27004-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	225592.0	98.7405	%	0.36620				0.37%
Y 360.076	154304.6	100.538	%	0.1005				0.10%
Ag 328.068†	20.6	0.0019680	mg/L	0.00086623	0.0019680	mg/L	0.00086623	44.02%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-3.5	-0.0131578	mg/L	0.00819765	-0.0131578	mg/L	0.00819765	62.30%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-6.0	-0.0093107	mg/L	0.00043962	-0.0093107	mg/L	0.00043962	4.72%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	143.7	0.0021135	mg/L	0.00054006	0.0021135	mg/L	0.00054006	25.55%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	30.6	0.0011878	mg/L	0.00012835	0.0011878	mg/L	0.00012835	10.81%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	-0.1	-0.0000023	mg/L	0.00000033	-0.0000023	mg/L	0.00000033	14.00%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-1.7	-0.0094348	mg/L	0.00029658	-0.0094348	mg/L	0.00029658	3.14%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	11.8	-0.0003234	mg/L	0.00010453	-0.0003234	mg/L	0.00010453	32.33%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	67.1	0.0017199	mg/L	0.00085330	0.0017199	mg/L	0.00085330	49.61%
Co 228.616†	0.8	-0.0004285	mg/L	0.00055824	-0.0004285	mg/L	0.00055824	130.28%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-6.7	-0.0007582	mg/L	0.00041461	-0.0007582	mg/L	0.00041461	54.68%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	36.3	-0.0021106	mg/L	0.00008185	-0.0021106	mg/L	0.00008185	3.88%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	2.4	0.0010708	mg/L	0.00113230	0.0010708	mg/L	0.00113230	105.74%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	6.3	-0.0294050	mg/L	0.02933790	-0.0294050	mg/L	0.02933790	99.77%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	12.1	0.0017725	mg/L	0.00119680	0.0017725	mg/L	0.00119680	67.52%
QC value within limits for Li 670.784 Recovery = Not calculated								

Mg 279.071†	2.2	0.0080443 mg/L	0.00601764	0.0080443 mg/L	0.00601764	74.81%
QC value within limits for Mg 279.071 Recovery = Not calculated						
Mn 257.610†	-5.7	-0.0002168 mg/L	0.00001999	-0.0002168 mg/L	0.00001999	9.22%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	4.7	0.0015068 mg/L	0.00018183	0.0015068 mg/L	0.00018183	12.07%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	21.9	0.0053563 mg/L	0.00336996	0.0053563 mg/L	0.00336996	62.92%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	4.2	-0.0005157 mg/L	0.00014437	-0.0005157 mg/L	0.00014437	28.00%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-7.1	-0.0008627 mg/L	0.00393660	-0.0008627 mg/L	0.00393660	456.29%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†	6.7	0.0079490 mg/L	0.00109239	0.0079490 mg/L	0.00109239	13.74%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	-2.7	-0.0122533 mg/L	0.00221105	-0.0122533 mg/L	0.00221105	18.04%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	-208.5	-0.0088867 mg/L	0.00187253	-0.0088867 mg/L	0.00187253	21.07%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	12.1	0.0084639 mg/L	0.00078955	0.0084639 mg/L	0.00078955	9.33%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	64.7	0.0009366 mg/L	0.00002864	0.0009366 mg/L	0.00002864	3.06%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.940†	4.5	0.0025600 mg/L	0.00071213	0.0025600 mg/L	0.00071213	27.82%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	-1.3	0.0007559 mg/L	0.00176634	0.0007559 mg/L	0.00176634	233.67%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	-3.4	0.0006387 mg/L	0.00005231	0.0006387 mg/L	0.00005231	8.19%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	2.6	-0.0004330 mg/L	0.00022714	-0.0004330 mg/L	0.00022714	52.45%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 8 **Autosampler Location: 10**
Sample ID: 0A27004-CRL1 **Date Collected: 1/27/2010 9:45:16 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A27004-CRL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	154205.8	154205.8	100.474	%			09:46:22
1	Al 396.153†	657.7	459.4	0.130858	mg/L	0.130858	mg/L	09:46:22
1	Ba 455.398†	6212.9	6186.8	0.0223270	mg/L	0.0223270	mg/L	09:46:22
1	Ca 315.887†	1917.0	1776.9	1.10497	mg/L	1.10497	mg/L	09:46:42
1	Fe 238.204†	93.3	60.7	0.0238360	mg/L	0.0238360	mg/L	09:46:42
1	K 766.490	149.0	168.8	0.216962	mg/L	0.216962	mg/L	09:46:22
1	Li 670.784†	607.3	625.4	0.0205051	mg/L	0.0205051	mg/L	09:46:22
1	Mg 279.071†	536.8	520.0	1.07361	mg/L	1.07361	mg/L	09:46:42
1	Na 589.592†	7883.7	7070.8	1.09024	mg/L	1.09024	mg/L	09:46:22
1	Sr 407.771†	84369.7	83317.5	0.107859	mg/L	0.107859	mg/L	09:46:22
1	Ti 334.940†	3082.0	3073.4	0.201887	mg/L	0.201887	mg/L	09:46:22
1	Sc 357.234	228499.6	228499.6	100.013	%			09:47:13
1	Ag 328.068†	624.5	650.6	0.0117769	mg/L	0.0117769	mg/L	09:47:13
1	As 188.979†	118.5	138.5	0.215403	mg/L	0.215403	mg/L	09:47:33
1	B 249.677†	2454.1	2056.1	0.105330	mg/L	0.105330	mg/L	09:47:33
1	Be 234.861†	-358.1	436.7	0.0020766	mg/L	0.0020766	mg/L	09:47:33
1	Cd 214.437†	504.8	305.3	0.0102283	mg/L	0.0102283	mg/L	09:47:33
1	Ce 413.764†	386.5	63.5	0.0015556	mg/L	0.0015556	mg/L	09:47:13
1	Co 228.616†	61.1	134.7	0.0193552	mg/L	0.0193552	mg/L	09:47:33
1	Cr 205.557†	231.3	254.5	0.0214728	mg/L	0.0214728	mg/L	09:47:33
1	Cu 327.397†	970.2	715.2	0.0190508	mg/L	0.0190508	mg/L	09:47:13
1	Mn 257.610†	3525.6	3343.7	0.0214488	mg/L	0.0214488	mg/L	09:47:33
1	Mo 202.031†	1737.5	1656.1	0.204550	mg/L	0.204550	mg/L	09:47:33
1	Ni 231.604†	695.8	257.1	0.0201922	mg/L	0.0201922	mg/L	09:47:33
1	Pb 220.353†	184.0	208.9	0.108118	mg/L	0.108118	mg/L	09:47:33
1	Sb 217.584†	212.6	265.5	0.203933	mg/L	0.203933	mg/L	09:47:33
1	Se 196.026†	66.3	106.5	0.215587	mg/L	0.215587	mg/L	09:47:33
1	Si 251.611†	2720.2	1991.5	0.185147	mg/L	0.185147	mg/L	09:47:33

1	Sn 189.927†	475.0	459.8	0.207093 mg/L	0.207093 mg/L	09:47:33
1	Tl 190.801†	145.9	183.5	0.218159 mg/L	0.218159 mg/L	09:47:33
1	V 292.395†	-485.0	829.7	0.0214095 mg/L	0.0214095 mg/L	09:47:33
1	Zn 206.200†	163.4	228.7	0.0212625 mg/L	0.0212625 mg/L	09:47:33
2	Y 360.076	154195.1	154195.1	100.467 %		09:46:47
2	Al 396.153†	652.8	454.5	0.129268 mg/L	0.129268 mg/L	09:46:47
2	Ba 455.398†	6317.8	6291.7	0.0226870 mg/L	0.0226870 mg/L	09:46:47
2	Ca 315.887†	1910.2	1770.3	1.10082 mg/L	1.10082 mg/L	09:47:07
2	Fe 238.204†	95.9	63.3	0.0248574 mg/L	0.0248574 mg/L	09:47:07
2	K 766.490	128.3	148.1	0.185475 mg/L	0.185475 mg/L	09:46:47
2	Li 670.784†	490.1	508.9	0.0169459 mg/L	0.0169459 mg/L	09:46:47
2	Mg 279.071†	540.3	523.5	1.08086 mg/L	1.08086 mg/L	09:47:07
2	Na 589.592†	7893.2	7080.9	1.09178 mg/L	1.09178 mg/L	09:46:47
2	Sr 407.771†	84999.3	83950.1	0.108671 mg/L	0.108671 mg/L	09:46:47
2	Ti 334.940†	3100.2	3091.8	0.203080 mg/L	0.203080 mg/L	09:46:47
2	Sc 357.234	226979.5	226979.5	99.3479 %		09:47:38
2	Ag 328.068†	639.8	670.1	0.0120796 mg/L	0.0120796 mg/L	09:47:38
2	As 188.979†	114.1	134.9	0.209750 mg/L	0.209750 mg/L	09:47:58
2	B 249.677†	2443.2	2061.6	0.105624 mg/L	0.105624 mg/L	09:47:58
2	Be 234.861†	-350.8	441.6	0.0020999 mg/L	0.0020999 mg/L	09:47:58
2	Cd 214.437†	502.1	306.0	0.0102509 mg/L	0.0102509 mg/L	09:47:58
2	Ce 413.764†	377.2	56.6	0.0013806 mg/L	0.0013806 mg/L	09:47:38
2	Co 228.616†	69.4	143.4	0.0206784 mg/L	0.0206784 mg/L	09:47:58
2	Cr 205.557†	229.7	254.4	0.0214612 mg/L	0.0214612 mg/L	09:47:58
2	Cu 327.397†	996.7	748.3	0.0200790 mg/L	0.0200790 mg/L	09:47:38
2	Mn 257.610†	3522.6	3364.2	0.0215818 mg/L	0.0215818 mg/L	09:47:58
2	Mo 202.031†	1743.1	1673.3	0.206669 mg/L	0.206669 mg/L	09:47:58
2	Ni 231.604†	705.5	271.5	0.0213544 mg/L	0.0213544 mg/L	09:47:58
2	Pb 220.353†	177.7	203.8	0.105520 mg/L	0.105520 mg/L	09:47:58
2	Sb 217.584†	217.9	272.3	0.209058 mg/L	0.209058 mg/L	09:47:58
2	Se 196.026†	59.5	100.1	0.202357 mg/L	0.202357 mg/L	09:47:58
2	Si 251.611†	2714.4	2003.9	0.186237 mg/L	0.186237 mg/L	09:47:58
2	Sn 189.927†	474.8	462.8	0.208397 mg/L	0.208397 mg/L	09:47:58
2	Tl 190.801†	147.0	185.6	0.220657 mg/L	0.220657 mg/L	09:47:58
2	V 292.395†	-465.9	845.7	0.0217904 mg/L	0.0217904 mg/L	09:47:58
2	Zn 206.200†	161.9	228.3	0.0212251 mg/L	0.0212251 mg/L	09:47:58

Mean Data: 0A27004-CRL1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	227739.6	99.6805	%	0.47046				0.47%
Y 360.076	154200.4	100.470	%	0.0049				0.00%
Ag 328.068†	660.4	0.0119283	mg/L	0.00021411	0.0119283	mg/L	0.00021411	1.79%
QC value within limits for Ag 328.068 Recovery = 119.28%								
Al 396.153†	457.0	0.130063	mg/L	0.0011244	0.130063	mg/L	0.0011244	0.86%
QC value within limits for Al 396.153 Recovery = 130.06%								
As 188.979†	136.7	0.212576	mg/L	0.0039973	0.212576	mg/L	0.0039973	1.88%
QC value within limits for As 188.979 Recovery = 106.29%								
B 249.677†	2058.8	0.105477	mg/L	0.0002078	0.105477	mg/L	0.0002078	0.20%
QC value within limits for B 249.677 Recovery = 105.48%								
Ba 455.398†	6239.3	0.0225070	mg/L	0.00025460	0.0225070	mg/L	0.00025460	1.13%
QC value within limits for Ba 455.398 Recovery = 112.53%								
Be 234.861†	439.1	0.0020883	mg/L	0.00001651	0.0020883	mg/L	0.00001651	0.79%
QC value within limits for Be 234.861 Recovery = 104.41%								
Ca 315.887†	1773.6	1.10289	mg/L	0.002933	1.10289	mg/L	0.002933	0.27%
QC value within limits for Ca 315.887 Recovery = 110.29%								
Cd 214.437†	305.6	0.0102396	mg/L	0.00001598	0.0102396	mg/L	0.00001598	0.16%
QC value within limits for Cd 214.437 Recovery = 102.40%								
Ce 413.764†	60.1	0.0014681	mg/L	0.00012378	0.0014681	mg/L	0.00012378	8.43%
Co 228.616†	139.1	0.0200168	mg/L	0.00093565	0.0200168	mg/L	0.00093565	4.67%
QC value within limits for Co 228.616 Recovery = 100.08%								
Cr 205.557†	254.5	0.0214670	mg/L	0.00000816	0.0214670	mg/L	0.00000816	0.04%
QC value within limits for Cr 205.557 Recovery = 107.34%								
Cu 327.397†	731.8	0.0195649	mg/L	0.00072700	0.0195649	mg/L	0.00072700	3.72%
QC value within limits for Cu 327.397 Recovery = 97.82%								
Fe 238.204†	62.0	0.0243467	mg/L	0.00072228	0.0243467	mg/L	0.00072228	2.97%
QC value within limits for Fe 238.204 Recovery = 121.73%								
K 766.490	158.4	0.201219	mg/L	0.0222642	0.201219	mg/L	0.0222642	11.06%
QC value within limits for K 766.490 Recovery = 100.61%								
Li 670.784†	567.2	0.0187255	mg/L	0.00251668	0.0187255	mg/L	0.00251668	13.44%

	QC value within limits for Li 670.784 Recovery = 117.03%						
Mg 279.071†		521.8	1.07724 mg/L	0.005128	1.07724 mg/L	0.005128	0.48%
	QC value within limits for Mg 279.071 Recovery = 107.72%						
Mn 257.610†		3353.9	0.0215153 mg/L	0.00009404	0.0215153 mg/L	0.00009404	0.44%
	QC value within limits for Mn 257.610 Recovery = 107.58%						
Mo 202.031†		1664.7	0.205610 mg/L	0.0014984	0.205610 mg/L	0.0014984	0.73%
	QC value within limits for Mo 202.031 Recovery = 102.80%						
Na 589.592†		7075.9	1.09101 mg/L	0.001091	1.09101 mg/L	0.001091	0.10%
	QC value within limits for Na 589.592 Recovery = 109.10%						
Ni 231.604†		264.3	0.0207733 mg/L	0.00082182	0.0207733 mg/L	0.00082182	3.96%
	QC value within limits for Ni 231.604 Recovery = 103.87%						
Pb 220.353†		206.3	0.106819 mg/L	0.0018375	0.106819 mg/L	0.0018375	1.72%
	QC value within limits for Pb 220.353 Recovery = 106.82%						
Sb 217.584†		268.9	0.206495 mg/L	0.0036241	0.206495 mg/L	0.0036241	1.76%
	QC value within limits for Sb 217.584 Recovery = 103.25%						
Se 196.026†		103.3	0.208972 mg/L	0.0093556	0.208972 mg/L	0.0093556	4.48%
	QC value within limits for Se 196.026 Recovery = 104.49%						
Si 251.611†		1997.7	0.185692 mg/L	0.0007708	0.185692 mg/L	0.0007708	0.42%
	QC value within limits for Si 251.611 Recovery = 92.85%						
Sn 189.927†		461.3	0.207745 mg/L	0.0009226	0.207745 mg/L	0.0009226	0.44%
	QC value within limits for Sn 189.927 Recovery = 103.87%						
Sr 407.771†		83633.8	0.108265 mg/L	0.0005744	0.108265 mg/L	0.0005744	0.53%
	QC value within limits for Sr 407.771 Recovery = 108.26%						
Ti 334.940†		3082.6	0.202483 mg/L	0.0008432	0.202483 mg/L	0.0008432	0.42%
	QC value within limits for Ti 334.940 Recovery = 101.24%						
Tl 190.801†		184.5	0.219408 mg/L	0.0017663	0.219408 mg/L	0.0017663	0.81%
	QC value within limits for Tl 190.801 Recovery = 109.70%						
V 292.395†		837.7	0.0215999 mg/L	0.00026933	0.0215999 mg/L	0.00026933	1.25%
	QC value within limits for V 292.395 Recovery = 108.00%						
Zn 206.200†		228.5	0.0212438 mg/L	0.00002651	0.0212438 mg/L	0.00002651	0.12%
	QC value within limits for Zn 206.200 Recovery = 106.22%						

All analyte(s) passed QC.

==========

Sequence No.: 9 **Autosampler Location: 11**
Sample ID: 0A27004-IFA1 **Date Collected: 1/27/2010 9:49:14 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A27004-IFA1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	154072.4	154072.4	100.387	%			09:50:20
1	Al 396.153†	315052.2	313643.2	99.9886	mg/L	99.9886	mg/L	09:50:20
1	Ba 455.398†	114.0	116.8	0.0014838	mg/L	0.0014838	mg/L	09:50:40
1	Ca 315.887†	157597.1	156858.9	98.2740	mg/L	98.2740	mg/L	09:50:20
1	Fe 238.204†	101003.8	100582.4	39.4057	mg/L	39.4057	mg/L	09:50:20
1	K 766.490	43.0	62.8	0.0561359	mg/L	0.0561359	mg/L	09:50:40
1	Li 670.784†	31.1	52.0	0.0029928	mg/L	0.0029928	mg/L	09:50:40
1	Mg 279.071†	47761.3	47563.0	97.8818	mg/L	97.8818	mg/L	09:50:20
1	Na 589.592†	845.9	67.0	0.0122850	mg/L	0.0122850	mg/L	09:50:40
1	Sr 407.771†	1965.9	1303.9	0.0025281	mg/L	0.0025281	mg/L	09:50:40
1	Ti 334.940†	-17.4	-11.4	0.0015255	mg/L	0.0015255	mg/L	09:50:40
1	Sc 357.234	224539.7	224539.7	98.2800	%			09:51:12
1	Ag 328.068†	-1627.6	-1629.9	-0.0174182	mg/L	-0.0174182	mg/L	09:51:12
1	As 188.979†	-19.0	0.7	0.0012159	mg/L	0.0012159	mg/L	09:51:32
1	B 249.677†	447.9	58.1	0.0019367	mg/L	0.0019367	mg/L	09:51:12
1	Be 234.861†	2117.5	2949.3	0.0001513	mg/L	0.0001513	mg/L	09:51:12
1	Cd 214.437†	563.7	374.2	-0.0017346	mg/L	-0.0017346	mg/L	09:51:32
1	Ce 413.764†	380.2	63.9	0.0016384	mg/L	0.0016384	mg/L	09:51:12
1	Co 228.616†	-67.9	4.5	-0.0012459	mg/L	-0.0012459	mg/L	09:51:32
1	Cr 205.557†	-45.6	-23.2	0.0002642	mg/L	0.0002642	mg/L	09:51:32
1	Cu 327.397†	329.3	80.2	-0.0007489	mg/L	-0.0007489	mg/L	09:51:12
1	Mn 257.610†	280.6	104.0	0.0019746	mg/L	0.0019746	mg/L	09:51:12
1	Mo 202.031†	146.7	68.1	0.0092929	mg/L	0.0092929	mg/L	09:51:32
1	Ni 231.604†	443.5	12.7	0.0001807	mg/L	0.0001807	mg/L	09:51:32
1	Pb 220.353†	-48.3	-24.3	-0.0095096	mg/L	-0.0095096	mg/L	09:51:32
1	Sb 217.584†	-290.8	-243.0	-0.0626527	mg/L	-0.0626527	mg/L	09:51:32
1	Se 196.026†	-16.8	23.1	0.0879977	mg/L	0.0879977	mg/L	09:51:32

1	Si 251.611†	477.1	-243.0	-0.0018897 mg/L	-0.0018897 mg/L	09:51:32
1	Sn 189.927†	-121.2	-138.5	-0.0368211 mg/L	-0.0368211 mg/L	09:51:32
1	Tl 190.801†	-38.8	-1.9	0.0000885 mg/L	0.0000885 mg/L	09:51:32
1	V 292.395†	-1058.3	237.8	-0.0010584 mg/L	-0.0010584 mg/L	09:51:32
1	Zn 206.200†	10.9	76.5	-0.0006968 mg/L	-0.0006968 mg/L	09:51:32
2	Y 360.076	154286.8	154286.8	100.526 %		09:50:45
2	Al 396.153†	319003.9	317138.1	101.103 mg/L	101.103 mg/L	09:50:45
2	Ba 455.398†	118.7	121.3	0.0014993 mg/L	0.0014993 mg/L	09:51:05
2	Ca 315.887†	159727.4	158759.9	99.4651 mg/L	99.4651 mg/L	09:50:45
2	Fe 238.204†	102524.7	101955.5	39.9437 mg/L	39.9437 mg/L	09:50:45
2	K 766.490	29.9	49.7	0.0363565 mg/L	0.0363565 mg/L	09:51:05
2	Li 670.784†	13.0	33.9	0.0024410 mg/L	0.0024410 mg/L	09:51:05
2	Mg 279.071†	48371.2	48103.6	98.9943 mg/L	98.9943 mg/L	09:50:45
2	Na 589.592†	855.1	75.0	0.0135208 mg/L	0.0135208 mg/L	09:51:05
2	Sr 407.771†	1961.3	1296.6	0.0025187 mg/L	0.0025187 mg/L	09:51:05
2	Ti 334.940†	-27.8	-21.7	0.0008586 mg/L	0.0008586 mg/L	09:51:05
2	Sc 357.234	225212.5	225212.5	98.5744 %		09:51:37
2	Ag 328.068†	-1493.6	-1489.1	-0.0151539 mg/L	-0.0151539 mg/L	09:51:37
2	As 188.979†	-23.9	-4.2	-0.0064173 mg/L	-0.0064173 mg/L	09:51:57
2	B 249.677†	456.5	65.4	0.0023861 mg/L	0.0023861 mg/L	09:51:37
2	Be 234.861†	2106.5	2931.7	-0.0001215 mg/L	-0.0001215 mg/L	09:51:37
2	Cd 214.437†	526.9	335.1	-0.0033157 mg/L	-0.0033157 mg/L	09:51:57
2	Ce 413.764†	317.6	-0.8	-0.0000192 mg/L	-0.0000192 mg/L	09:51:37
2	Co 228.616†	-58.6	14.2	0.0001931 mg/L	0.0001931 mg/L	09:51:57
2	Cr 205.557†	-61.0	-38.7	-0.0010208 mg/L	-0.0010208 mg/L	09:51:57
2	Cu 327.397†	316.8	66.5	-0.0011738 mg/L	-0.0011738 mg/L	09:51:37
2	Mn 257.610†	291.6	114.3	0.0020614 mg/L	0.0020614 mg/L	09:51:37
2	Mo 202.031†	156.7	77.7	0.0104811 mg/L	0.0104811 mg/L	09:51:57
2	Ni 231.604†	440.9	8.8	-0.0001358 mg/L	-0.0001358 mg/L	09:51:57
2	Pb 220.353†	-48.1	-23.9	-0.0093148 mg/L	-0.0093148 mg/L	09:51:57
2	Sb 217.584†	-293.1	-244.4	-0.0620970 mg/L	-0.0620970 mg/L	09:51:57
2	Se 196.026†	-30.4	9.4	0.0599305 mg/L	0.0599305 mg/L	09:51:57
2	Si 251.611†	476.3	-245.2	-0.0019369 mg/L	-0.0019369 mg/L	09:51:57
2	Sn 189.927†	-110.3	-127.0	-0.0314757 mg/L	-0.0314757 mg/L	09:51:57
2	Tl 190.801†	-40.3	-3.3	-0.0015583 mg/L	-0.0015583 mg/L	09:51:57
2	V 292.395†	-1095.4	203.4	-0.0019169 mg/L	-0.0019169 mg/L	09:51:57
2	Zn 206.200†	4.1	69.5	-0.0014505 mg/L	-0.0014505 mg/L	09:51:57

Mean Data: 0A27004-IFA1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	224876.1	98.4272	%	0.20821				0.21%
Y 360.076	154179.6	100.457	%	0.0988				0.10%
Ag 328.068†	-1559.5	-0.0162861	mg/L	0.00160107	-0.0162861	mg/L	0.00160107	9.83%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	315390.7	100.546	mg/L	0.7879	100.546	mg/L	0.7879	0.78%
QC value within limits for Al 396.153 Recovery = 100.55%								
As 188.979†	-1.7	-0.0026007	mg/L	0.00539749	-0.0026007	mg/L	0.00539749	207.54%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	61.7	0.0021614	mg/L	0.00031778	0.0021614	mg/L	0.00031778	14.70%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	119.0	0.0014915	mg/L	0.00001098	0.0014915	mg/L	0.00001098	0.74%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	2940.5	0.0000149	mg/L	0.00019287	0.0000149	mg/L	0.00019287	>999.9%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	157809.4	98.8696	mg/L	0.84226	98.8696	mg/L	0.84226	0.85%
QC value within limits for Ca 315.887 Recovery = 98.87%								
Cd 214.437†	354.7	-0.0025251	mg/L	0.00111802	-0.0025251	mg/L	0.00111802	44.28%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	31.5	0.0008096	mg/L	0.00117211	0.0008096	mg/L	0.00117211	144.78%
Co 228.616†	9.3	-0.0005264	mg/L	0.00101751	-0.0005264	mg/L	0.00101751	193.28%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-30.9	-0.0003783	mg/L	0.00090859	-0.0003783	mg/L	0.00090859	240.18%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	73.3	-0.0009613	mg/L	0.00030043	-0.0009613	mg/L	0.00030043	31.25%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	101269.0	39.6747	mg/L	0.38040	39.6747	mg/L	0.38040	0.96%
QC value within limits for Fe 238.204 Recovery = 99.19%								
K 766.490	56.2	0.0462462	mg/L	0.01398610	0.0462462	mg/L	0.01398610	30.24%
QC value within limits for K 766.490 Recovery = Not calculated								

Li 670.784†	43.0	0.0027169 mg/L	0.00039015	0.0027169 mg/L	0.00039015	14.36%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.071†	47833.3	98.4380 mg/L	0.78664	98.4380 mg/L	0.78664	0.80%
QC value within limits for Mg 279.071 Recovery = 98.44%						
Mn 257.610†	109.1	0.0020180 mg/L	0.00006142	0.0020180 mg/L	0.00006142	3.04%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	72.9	0.0098870 mg/L	0.00084013	0.0098870 mg/L	0.00084013	8.50%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	71.0	0.0129029 mg/L	0.00087386	0.0129029 mg/L	0.00087386	6.77%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	10.7	0.0000225 mg/L	0.00022379	0.0000225 mg/L	0.00022379	995.99%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-24.1	-0.0094122 mg/L	0.00013773	-0.0094122 mg/L	0.00013773	1.46%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†	-243.7	-0.0623749 mg/L	0.00039293	-0.0623749 mg/L	0.00039293	0.63%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	16.2	0.0739641 mg/L	0.01984655	0.0739641 mg/L	0.01984655	26.83%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	-244.1	-0.0019133 mg/L	0.00003337	-0.0019133 mg/L	0.00003337	1.74%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	-132.7	-0.0341484 mg/L	0.00377972	-0.0341484 mg/L	0.00377972	11.07%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	1300.3	0.0025234 mg/L	0.00000659	0.0025234 mg/L	0.00000659	0.26%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.940†	-16.5	0.0011921 mg/L	0.00047155	0.0011921 mg/L	0.00047155	39.56%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	-2.6	-0.0007349 mg/L	0.00116444	-0.0007349 mg/L	0.00116444	158.45%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	220.6	-0.0014877 mg/L	0.00060709	-0.0014877 mg/L	0.00060709	40.81%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	73.0	-0.0010736 mg/L	0.00053294	-0.0010736 mg/L	0.00053294	49.64%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

==========

Sequence No.: 10
Sample ID: 0A27004-IFA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 1/27/2010 9:54:54 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A27004-IFA2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	157551.8	157551.8	102.654	%			09:56:00
1	Al 396.153†	501.2	293.0	0.0673782	mg/L	0.0673782	mg/L	09:56:00
1	Ba 455.398†	70.2	71.7	0.0013288	mg/L	0.0013288	mg/L	09:56:00
1	Ca 315.887†	140.9	6.2	-0.0045138	mg/L	-0.0045138	mg/L	09:56:20
1	Fe 238.204†	36.6	3.4	-0.0073202	mg/L	-0.0073202	mg/L	09:56:20
1	K 766.490	-7.2	12.6	-0.0199533	mg/L	-0.0199533	mg/L	09:56:00
1	Li 670.784†	130.8	148.4	0.0059376	mg/L	0.0059376	mg/L	09:56:00
1	Mg 279.071†	-70.7	-83.1	-0.167451	mg/L	-0.167451	mg/L	09:56:20
1	Na 589.592†	1193.5	387.0	0.0615452	mg/L	0.0615452	mg/L	09:56:00
1	Sr 407.771†	750.0	76.2	0.0009513	mg/L	0.0009513	mg/L	09:56:00
1	Ti 334.940†	313113.9	305025.3	19.8140	mg/L	19.8140	mg/L	09:56:00
1	Sc 357.234	226278.7	226278.7	99.0411	%			09:56:52
1	Ag 328.068†	-384.6	-362.1	0.0006000	mg/L	0.0006000	mg/L	09:56:57
1	As 188.979†	98.9	119.9	0.0094278	mg/L	0.0094278	mg/L	09:57:17
1	B 249.677†	646.5	255.1	0.0193106	mg/L	0.0193106	mg/L	09:57:17
1	Be 234.861†	-743.6	43.9	0.0002070	mg/L	0.0002070	mg/L	09:57:17
1	Cd 214.437†	651.6	458.5	0.0033858	mg/L	0.0033858	mg/L	09:56:57
1	Ce 413.764†	452.6	134.0	-0.0000636	mg/L	-0.0000636	mg/L	09:56:57
1	Co 228.616†	193.3	268.7	-0.0042119	mg/L	-0.0042119	mg/L	09:57:17
1	Cr 205.557†	238367.1	240698.2	20.4797	mg/L	20.4797	mg/L	09:56:52
1	Cu 327.397†	680146.8	686477.1	21.2898	mg/L	21.2898	mg/L	09:56:52
1	Mn 257.610†	3087185.2	3116893.8	20.1608	mg/L	20.1608	mg/L	09:56:52
1	Mo 202.031†	93.7	13.4	0.0025694	mg/L	0.0025694	mg/L	09:57:17
1	Ni 231.604†	257833.6	259891.3	20.9370	mg/L	20.9370	mg/L	09:56:52
1	Pb 220.353†	-3.9	20.9	-0.0289512	mg/L	-0.0289512	mg/L	09:57:17
1	Sb 217.584†	-140.9	-89.3	-0.0283301	mg/L	-0.0283301	mg/L	09:57:17

1	Se 196.026†	-15.9	24.2	0.0438854 mg/L	0.0438854 mg/L	09:57:17
1	Si 251.611†	11213.3	10593.5	0.450587 mg/L	0.450587 mg/L	09:56:57
1	Sn 189.927†	-28.5	-43.9	-0.0163588 mg/L	-0.0163588 mg/L	09:57:17
1	Tl 190.801†	-318.1	-283.5	-0.103355 mg/L	-0.103355 mg/L	09:57:17
1	V 292.395†	904998.8	915075.6	20.5713 mg/L	20.5713 mg/L	09:56:52
1	Zn 206.200†	169.5	236.5	0.0136430 mg/L	0.0136430 mg/L	09:56:52
2	Y 360.076	154945.8	154945.8	100.956 %		09:56:25
2	Al 396.153†	496.5	296.6	0.0682775 mg/L	0.0682775 mg/L	09:56:25
2	Ba 455.398†	60.7	63.4	0.0013005 mg/L	0.0013005 mg/L	09:56:25
2	Ca 315.887†	144.1	11.7	-0.0010762 mg/L	-0.0010762 mg/L	09:56:45
2	Fe 238.204†	36.1	3.6	-0.0072694 mg/L	-0.0072694 mg/L	09:56:45
2	K 766.490	5.1	24.9	-0.0012480 mg/L	-0.0012480 mg/L	09:56:25
2	Li 670.784†	171.3	190.7	0.0072296 mg/L	0.0072296 mg/L	09:56:25
2	Mg 279.071†	-61.7	-75.3	-0.151503 mg/L	-0.151503 mg/L	09:56:45
2	Na 589.592†	1111.4	325.3	0.0520388 mg/L	0.0520388 mg/L	09:56:25
2	Sr 407.771†	788.8	126.9	0.0010165 mg/L	0.0010165 mg/L	09:56:25
2	Ti 334.940†	312997.8	310040.3	20.1397 mg/L	20.1397 mg/L	09:56:25
2	Sc 357.234	227122.4	227122.4	99.4104 %		09:57:23
2	Ag 328.068†	-431.8	-408.2	-0.0001130 mg/L	-0.0001130 mg/L	09:57:28
2	As 188.979†	86.2	106.7	-0.0134229 mg/L	-0.0134229 mg/L	09:57:48
2	B 249.677†	651.6	257.8	0.0192590 mg/L	0.0192590 mg/L	09:57:48
2	Be 234.861†	-724.3	66.1	0.0003132 mg/L	0.0003132 mg/L	09:57:48
2	Cd 214.437†	665.5	470.0	0.0038750 mg/L	0.0038750 mg/L	09:57:28
2	Ce 413.764†	470.4	150.2	0.0002317 mg/L	0.0002317 mg/L	09:57:28
2	Co 228.616†	196.7	271.5	-0.0045261 mg/L	-0.0045261 mg/L	09:57:48
2	Cr 205.557†	239580.0	241024.3	20.5075 mg/L	20.5075 mg/L	09:57:23
2	Cu 327.397†	681226.6	685012.3	21.2446 mg/L	21.2446 mg/L	09:57:23
2	Mn 257.610†	3100357.7	3118565.5	20.1716 mg/L	20.1716 mg/L	09:57:23
2	Mo 202.031†	99.0	18.4	0.0031868 mg/L	0.0031868 mg/L	09:57:48
2	Ni 231.604†	258870.4	259967.3	20.9432 mg/L	20.9432 mg/L	09:57:23
2	Pb 220.353†	22.8	47.9	-0.0150272 mg/L	-0.0150272 mg/L	09:57:48
2	Sb 217.584†	-132.7	-80.5	-0.0217504 mg/L	-0.0217504 mg/L	09:57:48
2	Se 196.026†	-21.7	18.4	0.0317024 mg/L	0.0317024 mg/L	09:57:48
2	Si 251.611†	11455.3	10794.9	0.460295 mg/L	0.460295 mg/L	09:57:28
2	Sn 189.927†	-23.6	-38.9	-0.0141300 mg/L	-0.0141300 mg/L	09:57:48
2	Tl 190.801†	-314.0	-278.2	-0.0940155 mg/L	-0.0940155 mg/L	09:57:48
2	V 292.395†	908527.9	915231.3	20.5746 mg/L	20.5746 mg/L	09:57:23
2	Zn 206.200†	168.7	235.1	0.0135001 mg/L	0.0135001 mg/L	09:57:23

Mean Data: 0A27004-IFA2

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	226700.5	99.2257	%	0.26112				0.26%
Y 360.076	156248.8	101.805	%	1.2006				1.18%
Ag 328.068†	-385.2	0.0002435	mg/L	0.00050418	0.0002435	mg/L	0.00050418	207.08%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	294.8	0.0678278	mg/L	0.00063589	0.0678278	mg/L	0.00063589	0.94%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	113.3	-0.0019975	mg/L	0.01615791	-0.0019975	mg/L	0.01615791	808.90%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	256.4	0.0192848	mg/L	0.00003648	0.0192848	mg/L	0.00003648	0.19%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	67.5	0.0013147	mg/L	0.00002005	0.0013147	mg/L	0.00002005	1.53%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	55.0	0.0002601	mg/L	0.00007504	0.0002601	mg/L	0.00007504	28.85%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	8.9	-0.0027950	mg/L	0.00243074	-0.0027950	mg/L	0.00243074	86.97%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	464.3	0.0036304	mg/L	0.00034594	0.0036304	mg/L	0.00034594	9.53%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	142.1	0.0000841	mg/L	0.00020881	0.0000841	mg/L	0.00020881	248.35%
Co 228.616†	270.1	-0.0043690	mg/L	0.00022219	-0.0043690	mg/L	0.00022219	5.09%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	240861.2	20.4936	mg/L	0.01963	20.4936	mg/L	0.01963	0.10%
QC value within limits for Cr 205.557 Recovery = 102.47%								
Cu 327.397†	685744.7	21.2672	mg/L	0.03196	21.2672	mg/L	0.03196	0.15%
QC value within limits for Cu 327.397 Recovery = 106.34%								
Fe 238.204†	3.5	-0.0072948	mg/L	0.00003589	-0.0072948	mg/L	0.00003589	0.49%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	18.7	-0.0106007	mg/L	0.01322667	-0.0106007	mg/L	0.01322667	124.77%

QC value within limits for K 766.490 Recovery = Not calculated

Li 670.784†		169.6	0.0065836 mg/L	0.00091364	0.0065836 mg/L	0.00091364	13.88%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†		-79.2	-0.159477 mg/L	0.0112775	-0.159477 mg/L	0.0112775	7.07%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†		3117729.6	20.1662 mg/L	0.00765	20.1662 mg/L	0.00765	0.04%
QC value within limits for Mn 257.610 Recovery = 100.83%								
Mo 202.031†		15.9	0.0028781 mg/L	0.00043654	0.0028781 mg/L	0.00043654	15.17%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†		356.1	0.0567920 mg/L	0.00672210	0.0567920 mg/L	0.00672210	11.84%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†		259929.3	20.9401 mg/L	0.00433	20.9401 mg/L	0.00433	0.02%
QC value within limits for Ni 231.604 Recovery = 104.70%								
Pb 220.353†		34.4	-0.0219892 mg/L	0.00984582	-0.0219892 mg/L	0.00984582	44.78%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†		-84.9	-0.0250403 mg/L	0.00465258	-0.0250403 mg/L	0.00465258	18.58%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†		21.3	0.0377939 mg/L	0.00861462	0.0377939 mg/L	0.00861462	22.79%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†		10694.2	0.455441 mg/L	0.0068648	0.455441 mg/L	0.0068648	1.51%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†		-41.4	-0.0152444 mg/L	0.00157606	-0.0152444 mg/L	0.00157606	10.34%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†		101.6	0.0009839 mg/L	0.00004606	0.0009839 mg/L	0.00004606	4.68%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†		307532.8	19.9769 mg/L	0.23033	19.9769 mg/L	0.23033	1.15%
QC value within limits for Ti 334.940 Recovery = 99.88%								
Tl 190.801†		-280.9	-0.0986853 mg/L	0.00660405	-0.0986853 mg/L	0.00660405	6.69%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†		915153.5	20.5729 mg/L	0.00233	20.5729 mg/L	0.00233	0.01%
QC value within limits for V 292.395 Recovery = 102.86%								
Zn 206.200†		235.8	0.0135715 mg/L	0.00010101	0.0135715 mg/L	0.00010101	0.74%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 13**
Sample ID: 0A27004-IFB1 **Date Collected: 1/27/2010 10:00:45 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A27004-IFB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	153468.4	153468.4	99.9932	%			10:01:51
1	Al 396.153†	318740.3	318566.7	101.558	mg/L	101.558	mg/L	10:01:51
1	Ba 455.398†	133744.0	133756.3	0.460372	mg/L	0.460372	mg/L	10:01:51
1	Ca 315.887†	159663.0	159542.8	99.9556	mg/L	99.9556	mg/L	10:01:51
1	Fe 238.204†	102382.8	102357.6	40.1008	mg/L	40.1008	mg/L	10:01:51
1	K 766.490	40.1	59.9	0.0517894	mg/L	0.0517894	mg/L	10:02:11
1	Li 670.784†	21.7	42.7	0.0027082	mg/L	0.0027082	mg/L	10:02:11
1	Mg 279.071†	48357.6	48346.7	99.4944	mg/L	99.4944	mg/L	10:01:51
1	Na 589.592†	931.2	155.7	0.0259352	mg/L	0.0259352	mg/L	10:02:11
1	Sr 407.771†	1409.0	754.7	0.0018227	mg/L	0.0018227	mg/L	10:02:11
1	Ti 334.940†	-11.8	-5.8	0.0018878	mg/L	0.0018878	mg/L	10:02:11
1	Sc 357.234	223587.3	223587.3	97.8631	%			10:02:43
1	Ag 328.068†	62728.5	64124.4	1.00455	mg/L	1.00455	mg/L	10:02:43
1	As 188.979†	-15.8	3.9	0.0050240	mg/L	0.0050240	mg/L	10:03:03
1	B 249.677†	295.0	-96.2	-0.0073338	mg/L	-0.0073338	mg/L	10:02:43
1	Be 234.861†	12596.5	13666.3	0.0511343	mg/L	0.0511343	mg/L	10:02:43
1	Cd 214.437†	27500.5	27901.5	0.985143	mg/L	0.985143	mg/L	10:02:43
1	Ce 413.764†	379.8	65.1	0.0017677	mg/L	0.0017677	mg/L	10:02:43
1	Co 228.616†	3124.9	3266.7	0.491464	mg/L	0.491464	mg/L	10:03:03
1	Cr 205.557†	5805.2	5955.2	0.508681	mg/L	0.508681	mg/L	10:03:03
1	Cu 327.397†	17047.9	17165.3	0.528783	mg/L	0.528783	mg/L	10:02:43
1	Mn 257.610†	76166.9	77648.5	0.503582	mg/L	0.503582	mg/L	10:02:43
1	Mo 202.031†	151.4	73.5	0.0099605	mg/L	0.0099605	mg/L	10:03:03
1	Ni 231.604†	12376.5	12208.2	0.981911	mg/L	0.981911	mg/L	10:02:43
1	Pb 220.353†	1936.2	2003.4	1.01130	mg/L	1.01130	mg/L	10:03:03

1	Sb 217.584†	-297.2	-250.7	-0.0646580 mg/L	-0.0646580 mg/L	10:03:03
1	Se 196.026†	-9.1	31.0	0.105171 mg/L	0.105171 mg/L	10:03:03
1	Si 251.611†	581.8	-133.9	0.0081625 mg/L	0.0081625 mg/L	10:03:03
1	Sn 189.927†	-120.8	-138.6	-0.0364984 mg/L	-0.0364984 mg/L	10:03:03
1	Tl 190.801†	-45.5	-8.8	-0.0103723 mg/L	-0.0103723 mg/L	10:03:03
1	V 292.395†	21173.7	22950.7	0.509709 mg/L	0.509709 mg/L	10:02:43
1	Zn 206.200†	10035.1	10319.5	0.976835 mg/L	0.976835 mg/L	10:02:43
2	Y 360.076	155319.9	155319.9	101.200 %		10:02:16
2	Al 396.153†	320162.1	316171.7	100.795 mg/L	100.795 mg/L	10:02:16
2	Ba 455.398†	134404.1	132814.2	0.457137 mg/L	0.457137 mg/L	10:02:16
2	Ca 315.887†	160629.5	158594.4	99.3614 mg/L	99.3614 mg/L	10:02:16
2	Fe 238.204†	102989.7	101736.7	39.8576 mg/L	39.8576 mg/L	10:02:16
2	K 766.490	43.7	63.5	0.0573196 mg/L	0.0573196 mg/L	10:02:36
2	Li 670.784†	14.9	35.7	0.0024952 mg/L	0.0024952 mg/L	10:02:36
2	Mg 279.071†	48619.3	48028.8	98.8402 mg/L	98.8402 mg/L	10:02:16
2	Na 589.592†	903.8	117.5	0.0200607 mg/L	0.0200607 mg/L	10:02:36
2	Sr 407.771†	1397.1	726.1	0.0017860 mg/L	0.0017860 mg/L	10:02:36
2	Ti 334.940†	-13.7	-7.6	0.0017743 mg/L	0.0017743 mg/L	10:02:36
2	Sc 357.234	225102.7	225102.7	98.5264 %		10:03:08
2	Ag 328.068†	62687.3	63651.0	0.997151 mg/L	0.997151 mg/L	10:03:08
2	As 188.979†	-23.1	-3.4	-0.0063973 mg/L	-0.0063973 mg/L	10:03:28
2	B 249.677†	314.3	-78.7	-0.0064116 mg/L	-0.0064116 mg/L	10:03:08
2	Be 234.861†	12575.5	13558.3	0.0507052 mg/L	0.0507052 mg/L	10:03:08
2	Cd 214.437†	27461.2	27672.5	0.977029 mg/L	0.977029 mg/L	10:03:08
2	Ce 413.764†	354.2	36.5	0.0010333 mg/L	0.0010333 mg/L	10:03:08
2	Co 228.616†	3139.9	3260.4	0.490521 mg/L	0.490521 mg/L	10:03:28
2	Cr 205.557†	5814.2	5924.4	0.506049 mg/L	0.506049 mg/L	10:03:28
2	Cu 327.397†	17074.0	17074.5	0.525968 mg/L	0.525968 mg/L	10:03:08
2	Mn 257.610†	76037.4	76993.2	0.499334 mg/L	0.499334 mg/L	10:03:08
2	Mo 202.031†	151.4	72.5	0.0098336 mg/L	0.0098336 mg/L	10:03:28
2	Ni 231.604†	12368.5	12115.0	0.974406 mg/L	0.974406 mg/L	10:03:08
2	Pb 220.353†	1926.8	1980.6	0.999785 mg/L	0.999785 mg/L	10:03:28
2	Sb 217.584†	-287.8	-239.1	-0.0565997 mg/L	-0.0565997 mg/L	10:03:28
2	Se 196.026†	-7.9	32.2	0.107401 mg/L	0.107401 mg/L	10:03:28
2	Si 251.611†	580.6	-139.1	0.0076269 mg/L	0.0076269 mg/L	10:03:28
2	Sn 189.927†	-120.9	-137.9	-0.0363042 mg/L	-0.0363042 mg/L	10:03:28
2	Tl 190.801†	-49.8	-13.0	-0.0151914 mg/L	-0.0151914 mg/L	10:03:28
2	V 292.395†	21061.7	22691.3	0.503917 mg/L	0.503917 mg/L	10:03:08
2	Zn 206.200†	10024.7	10240.0	0.969291 mg/L	0.969291 mg/L	10:03:08

Mean Data: 0A27004-IFB1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	224345.0	98.1947	%	0.46901				0.48%
Y 360.076	154394.2	100.596	%	0.8531				0.85%
Ag 328.068†	63887.7	1.00085	mg/L	0.005232	1.00085	mg/L	0.005232	0.52%
QC value within limits for Ag 328.068 Recovery = 100.09%								
Al 396.153†	317369.2	101.177	mg/L	0.5399	101.177	mg/L	0.5399	0.53%
QC value within limits for Al 396.153 Recovery = 101.18%								
As 188.979†	0.2	-0.0006867	mg/L	0.00807610	-0.0006867	mg/L	0.00807610	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-87.5	-0.0068727	mg/L	0.00065209	-0.0068727	mg/L	0.00065209	9.49%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	133285.2	0.458755	mg/L	0.0022876	0.458755	mg/L	0.0022876	0.50%
QC value within limits for Ba 455.398 Recovery = 91.75%								
Be 234.861†	13612.3	0.0509198	mg/L	0.00030343	0.0509198	mg/L	0.00030343	0.60%
QC value within limits for Be 234.861 Recovery = 101.84%								
Ca 315.887†	159068.6	99.6585	mg/L	0.42018	99.6585	mg/L	0.42018	0.42%
QC value within limits for Ca 315.887 Recovery = 99.66%								
Cd 214.437†	27787.0	0.981086	mg/L	0.0057373	0.981086	mg/L	0.0057373	0.58%
QC value within limits for Cd 214.437 Recovery = 98.11%								
Ce 413.764†	50.8	0.0014005	mg/L	0.00051929	0.0014005	mg/L	0.00051929	37.08%
Co 228.616†	3263.6	0.490993	mg/L	0.0006670	0.490993	mg/L	0.0006670	0.14%
QC value within limits for Co 228.616 Recovery = 98.20%								
Cr 205.557†	5939.8	0.507365	mg/L	0.0018613	0.507365	mg/L	0.0018613	0.37%
QC value within limits for Cr 205.557 Recovery = 101.47%								
Cu 327.397†	17119.9	0.527376	mg/L	0.0019903	0.527376	mg/L	0.0019903	0.38%
QC value within limits for Cu 327.397 Recovery = 105.48%								
Fe 238.204†	102047.1	39.9792	mg/L	0.17199	39.9792	mg/L	0.17199	0.43%
QC value within limits for Fe 238.204 Recovery = 99.95%								

K 766.490	61.7	0.0545545 mg/L	0.00391045	0.0545545 mg/L	0.00391045	7.17%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 670.784†	39.2	0.0026017 mg/L	0.00015062	0.0026017 mg/L	0.00015062	5.79%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.071†	48187.7	99.1673 mg/L	0.46260	99.1673 mg/L	0.46260	0.47%
QC value within limits for Mg 279.071 Recovery = 99.17%						
Mn 257.610†	77320.8	0.501458 mg/L	0.0030040	0.501458 mg/L	0.0030040	0.60%
QC value within limits for Mn 257.610 Recovery = 100.29%						
Mo 202.031†	73.0	0.0098971 mg/L	0.00008972	0.0098971 mg/L	0.00008972	0.91%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	136.6	0.0229979 mg/L	0.00415389	0.0229979 mg/L	0.00415389	18.06%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	12161.6	0.978158 mg/L	0.0053074	0.978158 mg/L	0.0053074	0.54%
QC value within limits for Ni 231.604 Recovery = 97.82%						
Pb 220.353†	1992.0	1.00554 mg/L	0.008144	1.00554 mg/L	0.008144	0.81%
QC value within limits for Pb 220.353 Recovery = 100.55%						
Sb 217.584†	-244.9	-0.0606288 mg/L	0.00569805	-0.0606288 mg/L	0.00569805	9.40%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	31.6	0.106286 mg/L	0.0015766	0.106286 mg/L	0.0015766	1.48%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	-136.5	0.0078947 mg/L	0.00037874	0.0078947 mg/L	0.00037874	4.80%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	-138.2	-0.0364013 mg/L	0.00013732	-0.0364013 mg/L	0.00013732	0.38%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	740.4	0.0018044 mg/L	0.00002597	0.0018044 mg/L	0.00002597	1.44%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.940†	-6.7	0.0018311 mg/L	0.00008023	0.0018311 mg/L	0.00008023	4.38%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	-10.9	-0.0127819 mg/L	0.00340764	-0.0127819 mg/L	0.00340764	26.66%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	22821.0	0.506813 mg/L	0.0040955	0.506813 mg/L	0.0040955	0.81%
QC value within limits for V 292.395 Recovery = 101.36%						
Zn 206.200†	10279.8	0.973063 mg/L	0.0053341	0.973063 mg/L	0.0053341	0.55%
QC value within limits for Zn 206.200 Recovery = 97.31%						

All analyte(s) passed QC.

Sequence No.: 12
Sample ID: 0A27004-IFB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 1/27/2010 10:06:25 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A27004-IFB2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	158408.4	158408.4	103.212	%			10:07:30
1	Al 396.153†	3743.2	3431.5	1.05125	mg/L	1.05125	mg/L	10:07:30
1	Ba 455.398†	25.7	28.1	0.0011794	mg/L	0.0011794	mg/L	10:07:30
1	Ca 315.887†	8299.7	7910.4	4.94798	mg/L	4.94798	mg/L	10:07:30
1	Fe 238.204†	39.0	5.5	-0.0064639	mg/L	-0.0064639	mg/L	10:07:50
1	K 766.490	13.9	33.7	0.0121583	mg/L	0.0121583	mg/L	10:07:30
1	Li 670.784†	152.2	168.5	0.0065517	mg/L	0.0065517	mg/L	10:07:30
1	Mg 279.071†	2489.9	2398.1	4.93857	mg/L	4.93857	mg/L	10:07:50
1	Na 589.592†	34681.3	32826.4	5.05423	mg/L	5.05423	mg/L	10:07:30
1	Sr 407.771†	804.3	124.9	0.0010139	mg/L	0.0010139	mg/L	10:07:30
1	Ti 334.940†	313578.1	303825.7	19.7361	mg/L	19.7361	mg/L	10:07:30
1	Sc 357.234	231322.2	231322.2	101.249	%			10:08:22
1	Ag 328.068†	-287.4	-257.7	0.0021590	mg/L	0.0021590	mg/L	10:08:28
1	As 188.979†	782.5	792.9	1.06441	mg/L	1.06441	mg/L	10:08:48
1	B 249.677†	18761.0	18132.0	0.985107	mg/L	0.985107	mg/L	10:08:28
1	Be 234.861†	-739.2	64.6	0.0002989	mg/L	0.0002989	mg/L	10:08:48
1	Cd 214.437†	650.3	442.9	0.0033257	mg/L	0.0033257	mg/L	10:08:28
1	Ce 413.764†	508.9	179.6	0.0010276	mg/L	0.0010276	mg/L	10:08:28
1	Co 228.616†	197.7	268.8	-0.0040207	mg/L	-0.0040207	mg/L	10:08:48
1	Cr 205.557†	236183.2	233293.8	19.8497	mg/L	19.8497	mg/L	10:08:22
1	Cu 327.397†	672822.0	664269.8	20.6013	mg/L	20.6013	mg/L	10:08:22
1	Mn 257.610†	3057419.7	3019533.9	19.5311	mg/L	19.5311	mg/L	10:08:22
1	Mo 202.031†	8249.2	8066.2	0.992726	mg/L	0.992726	mg/L	10:08:28
1	Ni 231.604†	254771.6	251191.2	20.2379	mg/L	20.2379	mg/L	10:08:22

1	Pb 220.353†	-2.1	22.9	-0.0262208 mg/L	-0.0262208 mg/L	10:08:48
1	Sb 217.584†	1213.0	1251.0	0.984673 mg/L	0.984673 mg/L	10:08:48
1	Se 196.026†	455.3	489.9	1.01566 mg/L	1.01566 mg/L	10:08:48
1	Si 251.611†	10419.6	9562.7	0.359272 mg/L	0.359272 mg/L	10:08:28
1	Sn 189.927†	-47.3	-61.9	-0.0232470 mg/L	-0.0232470 mg/L	10:08:48
1	Tl 190.801†	543.8	574.7	0.896352 mg/L	0.896352 mg/L	10:08:48
1	V 292.395†	899638.6	889858.9	20.0147 mg/L	20.0147 mg/L	10:08:22
1	Zn 206.200†	153.8	217.3	0.0126282 mg/L	0.0126282 mg/L	10:08:22
2	Y 360.076	155637.9	155637.9	101.407 %		10:07:55
2	Al 396.153†	3763.9	3516.5	1.07789 mg/L	1.07789 mg/L	10:07:55
2	Ba 455.398†	39.4	42.1	0.0012274 mg/L	0.0012274 mg/L	10:07:55
2	Ca 315.887†	8373.5	8126.2	5.08322 mg/L	5.08322 mg/L	10:07:55
2	Fe 238.204†	36.0	3.3	-0.0074483 mg/L	-0.0074483 mg/L	10:08:15
2	K 766.490	8.0	27.8	0.0031022 mg/L	0.0031022 mg/L	10:07:55
2	Li 670.784†	188.1	206.5	0.0077110 mg/L	0.0077110 mg/L	10:07:55
2	Mg 279.071†	2497.4	2448.5	5.04220 mg/L	5.04220 mg/L	10:08:15
2	Na 589.592†	34876.3	33616.9	5.17589 mg/L	5.17589 mg/L	10:07:55
2	Sr 407.771†	898.4	231.5	0.0011507 mg/L	0.0011507 mg/L	10:07:55
2	Ti 334.940†	317120.6	312727.3	20.3143 mg/L	20.3143 mg/L	10:07:55
2	Sc 357.234	232396.1	232396.1	101.719 %		10:08:54
2	Ag 328.068†	-352.5	-320.4	0.0012234 mg/L	0.0012234 mg/L	10:08:59
2	As 188.979†	784.4	791.2	1.05741 mg/L	1.05741 mg/L	10:09:19
2	B 249.677†	19037.4	18318.0	0.995012 mg/L	0.995012 mg/L	10:08:59
2	Be 234.861†	-734.1	73.0	0.0003390 mg/L	0.0003390 mg/L	10:09:19
2	Cd 214.437†	636.6	426.4	0.0026967 mg/L	0.0026967 mg/L	10:08:59
2	Ce 413.764†	506.8	175.2	0.0007311 mg/L	0.0007311 mg/L	10:08:59
2	Co 228.616†	202.5	272.6	-0.0047395 mg/L	-0.0047395 mg/L	10:09:19
2	Cr 205.557†	239738.1	235710.6	20.0554 mg/L	20.0554 mg/L	10:08:54
2	Cu 327.397†	679429.2	667694.4	20.7078 mg/L	20.7078 mg/L	10:08:54
2	Mn 257.610†	3098928.5	3046386.5	19.7048 mg/L	19.7048 mg/L	10:08:54
2	Mo 202.031†	8309.8	8088.2	0.995424 mg/L	0.995424 mg/L	10:08:59
2	Ni 231.604†	258694.2	253884.6	20.4549 mg/L	20.4549 mg/L	10:08:54
2	Pb 220.353†	-11.5	13.6	-0.0308013 mg/L	-0.0308013 mg/L	10:09:19
2	Sb 217.584†	1214.0	1246.4	0.981496 mg/L	0.981496 mg/L	10:09:19
2	Se 196.026†	466.4	498.8	1.03413 mg/L	1.03413 mg/L	10:09:19
2	Si 251.611†	10713.7	9804.3	0.366005 mg/L	0.366005 mg/L	10:08:59
2	Sn 189.927†	-41.9	-56.4	-0.0207618 mg/L	-0.0207618 mg/L	10:09:19
2	Tl 190.801†	549.5	577.8	0.905771 mg/L	0.905771 mg/L	10:09:19
2	V 292.395†	911314.8	897231.6	20.1802 mg/L	20.1802 mg/L	10:08:54
2	Zn 206.200†	182.2	244.5	0.0151473 mg/L	0.0151473 mg/L	10:08:54

Mean Data: 0A27004-IFB2

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	231859.2	101.484	%	0.3324				0.33%
Y 360.076	157023.1	102.309	%	1.2764				1.25%
Ag 328.068†	-289.0	0.0016912	mg/L	0.00066161	0.0016912	mg/L	0.00066161	39.12%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	3474.0	1.06457	mg/L	0.018842	1.06457	mg/L	0.018842	1.77%
QC value within limits for Al 396.153 Recovery = 106.46%								
As 188.979†	792.0	1.06091	mg/L	0.004945	1.06091	mg/L	0.004945	0.47%
QC value within limits for As 188.979 Recovery = 106.09%								
B 249.677†	18225.0	0.990060	mg/L	0.0070038	0.990060	mg/L	0.0070038	0.71%
QC value within limits for B 249.677 Recovery = 99.01%								
Ba 455.398†	35.1	0.0012034	mg/L	0.00003396	0.0012034	mg/L	0.00003396	2.82%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	68.8	0.0003189	mg/L	0.00002834	0.0003189	mg/L	0.00002834	8.89%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	8018.3	5.01560	mg/L	0.095631	5.01560	mg/L	0.095631	1.91%
QC value within limits for Ca 315.887 Recovery = 100.31%								
Cd 214.437†	434.7	0.0030112	mg/L	0.00044476	0.0030112	mg/L	0.00044476	14.77%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	177.4	0.0008794	mg/L	0.00020961	0.0008794	mg/L	0.00020961	23.84%
Co 228.616†	270.7	-0.0043801	mg/L	0.00050821	-0.0043801	mg/L	0.00050821	11.60%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	234502.2	19.9526	mg/L	0.14540	19.9526	mg/L	0.14540	0.73%
QC value within limits for Cr 205.557 Recovery = 99.76%								
Cu 327.397†	665982.1	20.6546	mg/L	0.07533	20.6546	mg/L	0.07533	0.36%
QC value within limits for Cu 327.397 Recovery = 103.27%								
Fe 238.204†	4.4	-0.0069561	mg/L	0.00069607	-0.0069561	mg/L	0.00069607	10.01%

QC value within limits for Fe 238.204 Recovery = Not calculated

K 766.490	30.8	0.0076302 mg/L	0.00640366	0.0076302 mg/L	0.00640366	83.92%
QC value within limits for K 766.490 Recovery = Not calculated							
Li 670.784†	187.5	0.0071313 mg/L	0.00081976	0.0071313 mg/L	0.00081976	11.50%
QC value within limits for Li 670.784 Recovery = Not calculated							
Mg 279.071†	2423.3	4.99038 mg/L	0.073276	4.99038 mg/L	0.073276	1.47%
QC value within limits for Mg 279.071 Recovery = 99.81%							
Mn 257.610†	3032960.2	19.6179 mg/L	0.12282	19.6179 mg/L	0.12282	0.63%
QC value within limits for Mn 257.610 Recovery = 98.09%							
Mo 202.031†	8077.2	0.994075 mg/L	0.0019077	0.994075 mg/L	0.0019077	0.19%
QC value within limits for Mo 202.031 Recovery = 99.41%							
Na 589.592†	33221.6	5.11506 mg/L	0.086026	5.11506 mg/L	0.086026	1.68%
QC value within limits for Na 589.592 Recovery = 102.30%							
Ni 231.604†	252537.9	20.3464 mg/L	0.15344	20.3464 mg/L	0.15344	0.75%
QC value within limits for Ni 231.604 Recovery = 101.73%							
Pb 220.353†	18.2	-0.0285111 mg/L	0.00323893	-0.0285111 mg/L	0.00323893	11.36%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 217.584†	1248.7	0.983085 mg/L	0.0022465	0.983085 mg/L	0.0022465	0.23%
QC value within limits for Sb 217.584 Recovery = 98.31%							
Se 196.026†	494.3	1.02489 mg/L	0.013063	1.02489 mg/L	0.013063	1.27%
QC value within limits for Se 196.026 Recovery = 102.49%							
Si 251.611†	9683.5	0.362638 mg/L	0.0047611	0.362638 mg/L	0.0047611	1.31%
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	-59.1	-0.0220044 mg/L	0.00175726	-0.0220044 mg/L	0.00175726	7.99%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	178.2	0.0010823 mg/L	0.00009678	0.0010823 mg/L	0.00009678	8.94%
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.940†	308276.5	20.0252 mg/L	0.40883	20.0252 mg/L	0.40883	2.04%
QC value within limits for Ti 334.940 Recovery = 100.13%							
Tl 190.801†	576.3	0.901061 mg/L	0.0066602	0.901061 mg/L	0.0066602	0.74%
QC value within limits for Tl 190.801 Recovery = 90.11%							
V 292.395†	893545.2	20.0974 mg/L	0.11702	20.0974 mg/L	0.11702	0.58%
QC value within limits for V 292.395 Recovery = 100.49%							
Zn 206.200†	230.9	0.0138877 mg/L	0.00178123	0.0138877 mg/L	0.00178123	12.83%
QC value within limits for Zn 206.200 Recovery = Not calculated							

All analyte(s) passed QC.

==========

Sequence No.: 13 **Autosampler Location: 4**
Sample ID: 0A27004-CCV **Date Collected: 1/27/2010 10:12:14 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A27004-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	157318.5	157318.5	102.502	%			10:13:20
1	Al 396.153†	8273.4	7876.2	2.49034	mg/L	2.49034	mg/L	10:13:40
1	Ba 455.398†	147220.3	143630.4	0.494278	mg/L	0.494278	mg/L	10:13:20
1	Ca 315.887†	8303.2	7969.5	4.98502	mg/L	4.98502	mg/L	10:13:40
1	Fe 238.204†	1340.8	1275.8	0.499378	mg/L	0.499378	mg/L	10:13:40
1	K 766.490	3325.5	3345.3	5.03285	mg/L	5.03285	mg/L	10:13:40
1	Li 670.784†	16561.0	16177.8	0.495470	mg/L	0.495470	mg/L	10:13:40
1	Mg 279.071†	2499.2	2424.0	4.99170	mg/L	4.99170	mg/L	10:13:40
1	Na 589.592†	33741.7	32142.5	4.94898	mg/L	4.94898	mg/L	10:13:20
1	Sr 407.771†	393567.6	383307.5	0.493137	mg/L	0.493137	mg/L	10:13:20
1	Ti 334.940†	7832.3	7647.1	0.498953	mg/L	0.498953	mg/L	10:13:40
1	Sc 357.234	229826.7	229826.7	100.594	%			10:14:12
1	Ag 328.068†	32286.4	32121.9	0.501020	mg/L	0.501020	mg/L	10:14:12
1	As 188.979†	1603.4	1614.0	2.52118	mg/L	2.52118	mg/L	10:14:32
1	B 249.677†	9852.7	9396.8	0.501035	mg/L	0.501035	mg/L	10:14:12
1	Be 234.861†	9840.9	10577.5	0.0503739	mg/L	0.0503739	mg/L	10:14:32
1	Cd 214.437†	14413.0	14128.5	0.505764	mg/L	0.505764	mg/L	10:14:32
1	Ce 413.764†	407.1	81.7	0.0020047	mg/L	0.0020047	mg/L	10:14:12
1	Co 228.616†	3309.6	3363.6	0.506508	mg/L	0.506508	mg/L	10:14:32
1	Cr 205.557†	5954.7	5942.7	0.505490	mg/L	0.505490	mg/L	10:14:32
1	Cu 327.397†	16731.6	16377.9	0.504674	mg/L	0.504674	mg/L	10:14:12
1	Mn 257.610†	79029.7	78381.5	0.506834	mg/L	0.506834	mg/L	10:14:12
1	Mo 202.031†	4211.5	4105.4	0.505712	mg/L	0.505712	mg/L	10:14:32

1	Ni 231.604†	6787.2	6308.5	0.507475 mg/L	0.507475 mg/L	10:14:32
1	Pb 220.353†	979.2	998.3	0.505016 mg/L	0.505016 mg/L	10:14:32
1	Sb 217.584†	3296.4	3329.9	2.52547 mg/L	2.52547 mg/L	10:14:32
1	Se 196.026†	1185.8	1219.0	2.53755 mg/L	2.53755 mg/L	10:14:32
1	Si 251.611†	28117.8	27223.3	2.46270 mg/L	2.46270 mg/L	10:14:12
1	Sn 189.927†	5722.9	5673.9	2.51839 mg/L	2.51839 mg/L	10:14:32
1	Tl 190.801†	2153.4	2178.3	2.54628 mg/L	2.54628 mg/L	10:14:32
1	V 292.395†	21084.2	22274.4	0.506702 mg/L	0.506702 mg/L	10:14:12
1	Zn 206.200†	5293.6	5327.7	0.507872 mg/L	0.507872 mg/L	10:14:32
2	Y 360.076	156241.9	156241.9	101.800 %		10:13:46
2	Al 396.153†	8328.1	7985.6	2.52520 mg/L	2.52520 mg/L	10:14:06
2	Ba 455.398†	149129.8	146495.7	0.504117 mg/L	0.504117 mg/L	10:13:46
2	Ca 315.887†	8340.7	8062.2	5.04309 mg/L	5.04309 mg/L	10:14:06
2	Fe 238.204†	1352.5	1296.3	0.507408 mg/L	0.507408 mg/L	10:14:06
2	K 766.490	3365.9	3385.7	5.09407 mg/L	5.09407 mg/L	10:14:06
2	Li 670.784†	16617.3	16344.4	0.500558 mg/L	0.500558 mg/L	10:14:06
2	Mg 279.071†	2510.5	2451.9	5.04912 mg/L	5.04912 mg/L	10:14:06
2	Na 589.592†	34126.1	32746.9	5.04201 mg/L	5.04201 mg/L	10:13:46
2	Sr 407.771†	398413.7	390713.4	0.502649 mg/L	0.502649 mg/L	10:13:46
2	Ti 334.940†	7884.6	7751.1	0.505712 mg/L	0.505712 mg/L	10:14:06
2	Sc 357.234	230288.3	230288.3	100.796 %		10:14:37
2	Ag 328.068†	32465.0	32234.7	0.502771 mg/L	0.502771 mg/L	10:14:37
2	As 188.979†	1600.0	1607.4	2.51079 mg/L	2.51079 mg/L	10:14:57
2	B 249.677†	9878.0	9402.3	0.501335 mg/L	0.501335 mg/L	10:14:37
2	Be 234.861†	9849.7	10566.6	0.0503191 mg/L	0.0503191 mg/L	10:14:57
2	Cd 214.437†	14407.4	14094.2	0.504529 mg/L	0.504529 mg/L	10:14:57
2	Ce 413.764†	378.8	52.8	0.0012606 mg/L	0.0012606 mg/L	10:14:37
2	Co 228.616†	3303.4	3350.9	0.504573 mg/L	0.504573 mg/L	10:14:57
2	Cr 205.557†	5982.8	5958.8	0.506860 mg/L	0.506860 mg/L	10:14:57
2	Cu 327.397†	16755.1	16367.9	0.504370 mg/L	0.504370 mg/L	10:14:37
2	Mn 257.610†	79273.3	78465.7	0.507378 mg/L	0.507378 mg/L	10:14:37
2	Mo 202.031†	4224.9	4110.3	0.506314 mg/L	0.506314 mg/L	10:14:57
2	Ni 231.604†	6811.0	6318.7	0.508294 mg/L	0.508294 mg/L	10:14:57
2	Pb 220.353†	973.9	991.1	0.501363 mg/L	0.501363 mg/L	10:14:57
2	Sb 217.584†	3293.6	3320.5	2.51840 mg/L	2.51840 mg/L	10:14:57
2	Se 196.026†	1194.2	1225.0	2.55008 mg/L	2.55008 mg/L	10:14:57
2	Si 251.611†	28312.8	27360.8	2.47498 mg/L	2.47498 mg/L	10:14:37
2	Sn 189.927†	5738.4	5678.0	2.52019 mg/L	2.52019 mg/L	10:14:57
2	Tl 190.801†	2147.2	2167.9	2.53417 mg/L	2.53417 mg/L	10:14:57
2	V 292.395†	21297.4	22443.8	0.510515 mg/L	0.510515 mg/L	10:14:37
2	Zn 206.200†	5311.2	5334.6	0.508534 mg/L	0.508534 mg/L	10:14:57

Mean Data: 0A27004-CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	230057.5	100.695	%	0.1429				0.14%
Y 360.076	156780.2	102.151	%	0.4960				0.49%
Ag 328.068†	32178.3	0.501896	mg/L	0.0012384	0.501896	mg/L	0.0012384	0.25%
QC value within limits for Ag 328.068 Recovery = 100.38%								
Al 396.153†	7930.9	2.50777	mg/L	0.024644	2.50777	mg/L	0.024644	0.98%
QC value within limits for Al 396.153 Recovery = 100.31%								
As 188.979†	1610.7	2.51599	mg/L	0.007351	2.51599	mg/L	0.007351	0.29%
QC value within limits for As 188.979 Recovery = 100.64%								
B 249.677†	9399.5	0.501185	mg/L	0.0002126	0.501185	mg/L	0.0002126	0.04%
QC value within limits for B 249.677 Recovery = 100.24%								
Ba 455.398†	145063.1	0.499197	mg/L	0.0069572	0.499197	mg/L	0.0069572	1.39%
QC value within limits for Ba 455.398 Recovery = 99.84%								
Be 234.861†	10572.1	0.0503465	mg/L	0.00003876	0.0503465	mg/L	0.00003876	0.08%
QC value within limits for Be 234.861 Recovery = 100.69%								
Ca 315.887†	8015.8	5.01405	mg/L	0.041063	5.01405	mg/L	0.041063	0.82%
QC value within limits for Ca 315.887 Recovery = 100.28%								
Cd 214.437†	14111.3	0.505147	mg/L	0.0008734	0.505147	mg/L	0.0008734	0.17%
QC value within limits for Cd 214.437 Recovery = 101.03%								
Ce 413.764†	67.2	0.0016326	mg/L	0.00052613	0.0016326	mg/L	0.00052613	32.23%
Co 228.616†	3357.3	0.505540	mg/L	0.0013687	0.505540	mg/L	0.0013687	0.27%
QC value within limits for Co 228.616 Recovery = 101.11%								
Cr 205.557†	5950.8	0.506175	mg/L	0.0009683	0.506175	mg/L	0.0009683	0.19%
QC value within limits for Cr 205.557 Recovery = 101.24%								
Cu 327.397†	16372.9	0.504522	mg/L	0.0002152	0.504522	mg/L	0.0002152	0.04%
QC value within limits for Cu 327.397 Recovery = 100.90%								

Fe 238.204†	1286.1	0.503393 mg/L	0.0056775	0.503393 mg/L	0.0056775	1.13%
QC value within limits for Fe 238.204 Recovery = 100.68%						
K 766.490	3365.5	5.06346 mg/L	0.043289	5.06346 mg/L	0.043289	0.85%
QC value within limits for K 766.490 Recovery = 101.27%						
Li 670.784†	16261.1	0.498014 mg/L	0.0035979	0.498014 mg/L	0.0035979	0.72%
QC value within limits for Li 670.784 Recovery = 99.60%						
Mg 279.071†	2437.9	5.02041 mg/L	0.040601	5.02041 mg/L	0.040601	0.81%
QC value within limits for Mg 279.071 Recovery = 100.41%						
Mn 257.610†	78423.6	0.507106 mg/L	0.0003852	0.507106 mg/L	0.0003852	0.08%
QC value within limits for Mn 257.610 Recovery = 101.42%						
Mo 202.031†	4107.8	0.506013 mg/L	0.0004256	0.506013 mg/L	0.0004256	0.08%
QC value within limits for Mo 202.031 Recovery = 101.20%						
Na 589.592†	32444.7	4.99549 mg/L	0.065779	4.99549 mg/L	0.065779	1.32%
QC value within limits for Na 589.592 Recovery = 99.91%						
Ni 231.604†	6313.6	0.507884 mg/L	0.0005786	0.507884 mg/L	0.0005786	0.11%
QC value within limits for Ni 231.604 Recovery = 101.58%						
Pb 220.353†	994.7	0.503189 mg/L	0.0025832	0.503189 mg/L	0.0025832	0.51%
QC value within limits for Pb 220.353 Recovery = 100.64%						
Sb 217.584†	3325.2	2.52194 mg/L	0.005001	2.52194 mg/L	0.005001	0.20%
QC value within limits for Sb 217.584 Recovery = 100.88%						
Se 196.026†	1222.0	2.54381 mg/L	0.008859	2.54381 mg/L	0.008859	0.35%
QC value within limits for Se 196.026 Recovery = 101.75%						
Si 251.611†	27292.1	2.46884 mg/L	0.008678	2.46884 mg/L	0.008678	0.35%
QC value within limits for Si 251.611 Recovery = 98.75%						
Sn 189.927†	5675.9	2.51929 mg/L	0.001276	2.51929 mg/L	0.001276	0.05%
QC value within limits for Sn 189.927 Recovery = 100.77%						
Sr 407.771†	387010.4	0.497893 mg/L	0.0067256	0.497893 mg/L	0.0067256	1.35%
QC value within limits for Sr 407.771 Recovery = 99.58%						
Ti 334.940†	7699.1	0.502333 mg/L	0.0047792	0.502333 mg/L	0.0047792	0.95%
QC value within limits for Ti 334.940 Recovery = 100.47%						
Tl 190.801†	2173.1	2.54022 mg/L	0.008560	2.54022 mg/L	0.008560	0.34%
QC value within limits for Tl 190.801 Recovery = 101.61%						
V 292.395†	22359.1	0.508608 mg/L	0.0026966	0.508608 mg/L	0.0026966	0.53%
QC value within limits for V 292.395 Recovery = 101.72%						
Zn 206.200†	5331.1	0.508203 mg/L	0.0004675	0.508203 mg/L	0.0004675	0.09%
QC value within limits for Zn 206.200 Recovery = 101.64%						

All analyte(s) passed QC.

Sequence No.: 14
Sample ID: 0A27004-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/27/2010 10:16:13 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A27004-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	155302.3	155302.3	101.188	%			10:17:18
1	Al 396.153†	198.0	0.5	-0.0118928	mg/L	-0.0118928	mg/L	10:17:18
1	Ba 455.398†	-4.4	-1.1	0.0010789	mg/L	0.0010789	mg/L	10:17:18
1	Ca 315.887†	120.2	-12.3	-0.0160931	mg/L	-0.0160931	mg/L	10:17:38
1	Fe 238.204†	40.4	7.7	0.0031719	mg/L	0.0031719	mg/L	10:17:38
1	K 766.490	4.6	24.4	-0.0019443	mg/L	-0.0019443	mg/L	10:17:18
1	Li 670.784†	-16.7	4.5	0.0015418	mg/L	0.0015418	mg/L	10:17:18
1	Mg 279.071†	19.2	4.7	0.0132703	mg/L	0.0132703	mg/L	10:17:38
1	Na 589.592†	778.1	-6.7	0.0009421	mg/L	0.0009421	mg/L	10:17:18
1	Sr 407.771†	770.0	106.6	0.0009903	mg/L	0.0009903	mg/L	10:17:18
1	Ti 334.940†	2.9	8.8	0.0028365	mg/L	0.0028365	mg/L	10:17:38
1	Sc 357.234	227546.6	227546.6	99.5961	%			10:18:10
1	Ag 328.068†	24.6	50.9	0.0024399	mg/L	0.0024399	mg/L	10:18:10
1	As 188.979†	-19.1	0.9	0.0014438	mg/L	0.0014438	mg/L	10:18:30
1	B 249.677†	494.2	98.5	-0.0003284	mg/L	-0.0003284	mg/L	10:18:30
1	Be 234.861†	-782.6	8.9	0.0000397	mg/L	0.0000397	mg/L	10:18:30
1	Cd 214.437†	200.2	1.6	-0.0006909	mg/L	-0.0006909	mg/L	10:18:30
1	Ce 413.764†	396.2	74.8	0.0019175	mg/L	0.0019175	mg/L	10:18:10
1	Co 228.616†	-68.5	4.8	0.0001768	mg/L	0.0001768	mg/L	10:18:30
1	Cr 205.557†	-23.9	-0.8	-0.0002494	mg/L	-0.0002494	mg/L	10:18:30
1	Cu 327.397†	368.1	114.7	0.0003209	mg/L	0.0003209	mg/L	10:18:10
1	Mn 257.610†	202.9	22.2	-0.0000362	mg/L	-0.0000362	mg/L	10:18:30

1	Mo 202.031†	81.6	0.7	0.0010129 mg/L	0.0010129 mg/L	10:18:30
1	Ni 231.604†	442.2	5.4	-0.0004198 mg/L	-0.0004198 mg/L	10:18:30
1	Pb 220.353†	-28.0	-3.3	0.0010769 mg/L	0.0010769 mg/L	10:18:30
1	Sb 217.584†	-59.3	-6.6	-0.0021196 mg/L	-0.0021196 mg/L	10:18:30
1	Se 196.026†	-38.7	1.3	-0.0039013 mg/L	-0.0039013 mg/L	10:18:30
1	Si 251.611†	387.6	-339.2	-0.0207297 mg/L	-0.0207297 mg/L	10:18:30
1	Sn 189.927†	20.0	4.9	0.0052825 mg/L	0.0052825 mg/L	10:18:30
1	Tl 190.801†	-38.4	-1.0	0.0011541 mg/L	0.0011541 mg/L	10:18:30
1	V 292.395†	-1262.8	46.7	0.0017603 mg/L	0.0017603 mg/L	10:18:10
1	Zn 206.200†	-58.7	6.4	-0.0000643 mg/L	-0.0000643 mg/L	10:18:30
2	Y 360.076	152405.6	152405.6	99.3008 %		10:17:43
2	Al 396.153†	212.6	18.9	-0.0060072 mg/L	-0.0060072 mg/L	10:17:43
2	Ba 455.398†	28.4	31.8	0.0011920 mg/L	0.0011920 mg/L	10:17:43
2	Ca 315.887†	126.1	-4.1	-0.0109626 mg/L	-0.0109626 mg/L	10:18:03
2	Fe 238.204†	45.9	13.9	0.0056090 mg/L	0.0056090 mg/L	10:18:03
2	K 766.490	5.4	25.2	-0.0007297 mg/L	-0.0007297 mg/L	10:17:43
2	Li 670.784†	-22.4	-1.6	0.0013568 mg/L	0.0013568 mg/L	10:17:43
2	Mg 279.071†	19.5	5.4	0.0146587 mg/L	0.0146587 mg/L	10:18:03
2	Na 589.592†	785.8	15.7	0.0043975 mg/L	0.0043975 mg/L	10:17:43
2	Sr 407.771†	697.7	48.2	0.0009154 mg/L	0.0009154 mg/L	10:17:43
2	Ti 334.940†	-3.7	2.2	0.0024114 mg/L	0.0024114 mg/L	10:18:03
2	Sc 357.234	231486.8	231486.8	101.321 %		10:18:35
2	Ag 328.068†	-64.2	-37.2	0.0010691 mg/L	0.0010691 mg/L	10:18:35
2	As 188.979†	-16.7	3.5	0.0055658 mg/L	0.0055658 mg/L	10:18:55
2	B 249.677†	463.2	59.5	-0.0024403 mg/L	-0.0024403 mg/L	10:18:55
2	Be 234.861†	-785.6	19.4	0.0000890 mg/L	0.0000890 mg/L	10:18:55
2	Cd 214.437†	210.4	8.3	-0.0004504 mg/L	-0.0004504 mg/L	10:18:55
2	Ce 413.764†	385.2	57.2	0.0014664 mg/L	0.0014664 mg/L	10:18:35
2	Co 228.616†	-72.5	2.0	-0.0002418 mg/L	-0.0002418 mg/L	10:18:55
2	Cr 205.557†	-27.3	-3.7	-0.0005028 mg/L	-0.0005028 mg/L	10:18:55
2	Cu 327.397†	364.8	105.2	0.0000271 mg/L	0.0000271 mg/L	10:18:35
2	Mn 257.610†	188.2	4.3	-0.0001519 mg/L	-0.0001519 mg/L	10:18:55
2	Mo 202.031†	82.2	-0.1	0.0009096 mg/L	0.0009096 mg/L	10:18:55
2	Ni 231.604†	449.1	4.7	-0.0004794 mg/L	-0.0004794 mg/L	10:18:55
2	Pb 220.353†	-31.9	-6.5	-0.0005814 mg/L	-0.0005814 mg/L	10:18:55
2	Sb 217.584†	-53.2	0.5	0.0032214 mg/L	0.0032214 mg/L	10:18:55
2	Se 196.026†	-34.4	6.3	0.0064840 mg/L	0.0064840 mg/L	10:18:55
2	Si 251.611†	393.9	-339.6	-0.0207580 mg/L	-0.0207580 mg/L	10:18:55
2	Sn 189.927†	25.5	10.0	0.0075219 mg/L	0.0075219 mg/L	10:18:55
2	Tl 190.801†	-36.3	1.8	0.0044307 mg/L	0.0044307 mg/L	10:18:55
2	V 292.395†	-1208.4	122.0	0.0034527 mg/L	0.0034527 mg/L	10:18:35
2	Zn 206.200†	-64.6	1.6	-0.0005282 mg/L	-0.0005282 mg/L	10:18:55

Mean Data: 0A27004-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	229516.7	100.458	%	1.2195				1.21%
Y 360.076	153853.9	100.244	%	1.3345				1.33%
Ag 328.068†	6.8	0.0017545	mg/L	0.00096926	0.0017545	mg/L	0.00096926	55.24%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	9.7	-0.0089500	mg/L	0.00416175	-0.0089500	mg/L	0.00416175	46.50%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	2.2	0.0035048	mg/L	0.00291470	0.0035048	mg/L	0.00291470	83.16%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	79.0	-0.0013844	mg/L	0.00149333	-0.0013844	mg/L	0.00149333	107.87%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	15.3	0.0011355	mg/L	0.00007999	0.0011355	mg/L	0.00007999	7.04%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	14.1	0.0000644	mg/L	0.00003483	0.0000644	mg/L	0.00003483	54.11%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-8.2	-0.0135279	mg/L	0.00362783	-0.0135279	mg/L	0.00362783	26.82%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	4.9	-0.0005707	mg/L	0.00017008	-0.0005707	mg/L	0.00017008	29.80%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	66.0	0.0016919	mg/L	0.00031899	0.0016919	mg/L	0.00031899	18.85%
Co 228.616†	3.4	-0.0000325	mg/L	0.00029604	-0.0000325	mg/L	0.00029604	910.92%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-2.2	-0.0003761	mg/L	0.00017916	-0.0003761	mg/L	0.00017916	47.63%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	110.0	0.0001740	mg/L	0.00020777	0.0001740	mg/L	0.00020777	119.40%

	QC value within limits for Cu 327.397 Recovery = Not calculated						
Fe 238.204†		10.8	0.0043905 mg/L	0.00172324	0.0043905 mg/L	0.00172324	39.25%
	QC value within limits for Fe 238.204 Recovery = Not calculated						
K 766.490		24.8	-0.0013370 mg/L	0.00085885	-0.0013370 mg/L	0.00085885	64.24%
	QC value within limits for K 766.490 Recovery = Not calculated						
Li 670.784†		1.5	0.0014493 mg/L	0.00013080	0.0014493 mg/L	0.00013080	9.02%
	QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.071†		5.1	0.0139645 mg/L	0.00098173	0.0139645 mg/L	0.00098173	7.03%
	QC value within limits for Mg 279.071 Recovery = Not calculated						
Mn 257.610†		13.2	-0.0000941 mg/L	0.00008183	-0.0000941 mg/L	0.00008183	86.98%
	QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†		0.3	0.0009612 mg/L	0.00007310	0.0009612 mg/L	0.00007310	7.60%
	QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†		4.5	0.0026698 mg/L	0.00244337	0.0026698 mg/L	0.00244337	91.52%
	QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†		5.0	-0.0004496 mg/L	0.00004213	-0.0004496 mg/L	0.00004213	9.37%
	QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†		-4.9	0.0002478 mg/L	0.00117261	0.0002478 mg/L	0.00117261	473.24%
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†		-3.0	0.0005509 mg/L	0.00377663	0.0005509 mg/L	0.00377663	685.50%
	QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†		3.8	0.0012913 mg/L	0.00734357	0.0012913 mg/L	0.00734357	568.68%
	QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†		-339.4	-0.0207439 mg/L	0.00002000	-0.0207439 mg/L	0.00002000	0.10%
	QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†		7.5	0.0064022 mg/L	0.00158345	0.0064022 mg/L	0.00158345	24.73%
	QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†		77.4	0.0009528 mg/L	0.00005299	0.0009528 mg/L	0.00005299	5.56%
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.940†		5.5	0.0026240 mg/L	0.00030059	0.0026240 mg/L	0.00030059	11.46%
	QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†		0.4	0.0027924 mg/L	0.00231693	0.0027924 mg/L	0.00231693	82.97%
	QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†		84.3	0.0026065 mg/L	0.00119671	0.0026065 mg/L	0.00119671	45.91%
	QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†		4.0	-0.0002962 mg/L	0.00032803	-0.0002962 mg/L	0.00032803	110.73%
	QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

==========

Sequence No.: 15 **Autosampler Location: 17**
Sample ID: 1000576-blk1 **Date Collected: 1/27/2010 10:20:10 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1000576-blk1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	157404.9	157404.9	102.558	%			10:21:15
1	Al 396.153†	227.2	26.3	-0.0036218	mg/L	-0.0036218	mg/L	10:21:15
1	Ba 455.398†	27.2	29.7	0.0011849	mg/L	0.0011849	mg/L	10:21:15
1	Ca 315.887†	201.1	65.0	0.0323472	mg/L	0.0323472	mg/L	10:21:35
1	Fe 238.204†	55.5	21.9	0.0087168	mg/L	0.0087168	mg/L	10:21:35
1	K 766.490	11.9	31.7	0.0090493	mg/L	0.0090493	mg/L	10:21:15
1	Li 670.784†	-37.9	-15.9	0.0009197	mg/L	0.0009197	mg/L	10:21:15
1	Mg 279.071†	24.2	9.3	0.0227252	mg/L	0.0227252	mg/L	10:21:35
1	Na 589.592†	842.0	45.4	0.0089621	mg/L	0.0089621	mg/L	10:21:15
1	Sr 407.771†	693.2	21.5	0.0008811	mg/L	0.0008811	mg/L	10:21:15
1	Ti 334.940†	7.7	13.5	0.0031416	mg/L	0.0031416	mg/L	10:21:35
1	Sc 357.234	235126.4	235126.4	102.914	%			10:22:07
1	Ag 328.068†	5.5	31.5	0.0021411	mg/L	0.0021411	mg/L	10:22:07
1	As 188.979†	-20.2	0.4	0.0007178	mg/L	0.0007178	mg/L	10:22:27
1	B 249.677†	373.6	-34.6	-0.0075273	mg/L	-0.0075273	mg/L	10:22:27
1	Be 234.861†	-799.5	17.8	0.0000806	mg/L	0.0000806	mg/L	10:22:27
1	Cd 214.437†	197.4	-7.6	-0.0010225	mg/L	-0.0010225	mg/L	10:22:27
1	Ce 413.764†	425.1	90.1	0.0023100	mg/L	0.0023100	mg/L	10:22:07
1	Co 228.616†	-70.3	5.2	0.0002428	mg/L	0.0002428	mg/L	10:22:27
1	Cr 205.557†	-18.5	5.2	0.0002601	mg/L	0.0002601	mg/L	10:22:27
1	Cu 327.397†	324.9	60.8	-0.0013499	mg/L	-0.0013499	mg/L	10:22:07

1	Mn 257.610†	224.5	36.7	0.0000576 mg/L	0.0000576 mg/L	10:22:27
1	Mo 202.031†	77.1	-6.3	0.0001478 mg/L	0.0001478 mg/L	10:22:27
1	Ni 231.604†	459.3	7.8	-0.0002312 mg/L	-0.0002312 mg/L	10:22:27
1	Pb 220.353†	-27.6	-2.0	0.0017370 mg/L	0.0017370 mg/L	10:22:27
1	Sb 217.584†	-54.7	-0.2	0.0027539 mg/L	0.0027539 mg/L	10:22:27
1	Se 196.026†	-44.0	-2.5	-0.0119368 mg/L	-0.0119368 mg/L	10:22:27
1	Si 251.611†	404.3	-335.5	-0.0204059 mg/L	-0.0204059 mg/L	10:22:27
1	Sn 189.927†	35.5	19.3	0.0116623 mg/L	0.0116623 mg/L	10:22:27
1	Tl 190.801†	-36.9	1.7	0.0043233 mg/L	0.0043233 mg/L	10:22:27
1	V 292.395†	-1328.8	23.4	0.0012259 mg/L	0.0012259 mg/L	10:22:07
1	Zn 206.200†	3.7	68.9	0.0059029 mg/L	0.0059029 mg/L	10:22:27
2	Y 360.076	156666.0	156666.0	102.077 %		10:21:40
2	Al 396.153†	195.5	-3.7	-0.0132237 mg/L	-0.0132237 mg/L	10:21:40
2	Ba 455.398†	-37.5	-33.5	0.0009677 mg/L	0.0009677 mg/L	10:21:40
2	Ca 315.887†	195.9	60.9	0.0297450 mg/L	0.0297450 mg/L	10:22:00
2	Fe 238.204†	52.1	18.8	0.0075194 mg/L	0.0075194 mg/L	10:22:00
2	K 766.490	-2.6	17.2	-0.0129290 mg/L	-0.0129290 mg/L	10:21:40
2	Li 670.784†	-18.4	3.1	0.0014977 mg/L	0.0014977 mg/L	10:21:40
2	Mg 279.071†	25.3	10.6	0.0252891 mg/L	0.0252891 mg/L	10:22:00
2	Na 589.592†	836.3	43.7	0.0086970 mg/L	0.0086970 mg/L	10:21:40
2	Sr 407.771†	675.9	7.8	0.0008634 mg/L	0.0008634 mg/L	10:21:40
2	Ti 334.940†	9.0	14.8	0.0032270 mg/L	0.0032270 mg/L	10:22:00
2	Sc 357.234	231978.2	231978.2	101.536 %		10:22:32
2	Ag 328.068†	-66.7	-39.5	0.0010408 mg/L	0.0010408 mg/L	10:22:32
2	As 188.979†	-13.0	7.3	0.0114244 mg/L	0.0114244 mg/L	10:22:52
2	B 249.677†	383.8	-19.6	-0.0067156 mg/L	-0.0067156 mg/L	10:22:52
2	Be 234.861†	-800.6	6.2	0.0000255 mg/L	0.0000255 mg/L	10:22:52
2	Cd 214.437†	211.3	8.7	-0.0004333 mg/L	-0.0004333 mg/L	10:22:52
2	Ce 413.764†	440.8	111.1	0.0028492 mg/L	0.0028492 mg/L	10:22:32
2	Co 228.616†	-74.3	0.4	-0.0004815 mg/L	-0.0004815 mg/L	10:22:52
2	Cr 205.557†	-18.5	5.0	0.0002404 mg/L	0.0002404 mg/L	10:22:52
2	Cu 327.397†	326.1	66.3	-0.0011791 mg/L	-0.0011791 mg/L	10:22:32
2	Mn 257.610†	216.4	31.6	0.0000251 mg/L	0.0000251 mg/L	10:22:52
2	Mo 202.031†	83.7	1.2	0.0010707 mg/L	0.0010707 mg/L	10:22:52
2	Ni 231.604†	447.3	2.0	-0.0006939 mg/L	-0.0006939 mg/L	10:22:52
2	Pb 220.353†	-31.4	-6.0	-0.0003291 mg/L	-0.0003291 mg/L	10:22:52
2	Sb 217.584†	-51.5	2.2	0.0045420 mg/L	0.0045420 mg/L	10:22:52
2	Se 196.026†	-38.1	2.6	-0.0011013 mg/L	-0.0011013 mg/L	10:22:52
2	Si 251.611†	395.5	-338.9	-0.0207149 mg/L	-0.0207149 mg/L	10:22:52
2	Sn 189.927†	33.8	18.1	0.0111419 mg/L	0.0111419 mg/L	10:22:52
2	Tl 190.801†	-43.9	-5.6	-0.0042629 mg/L	-0.0042629 mg/L	10:22:52
2	V 292.395†	-1246.6	86.9	0.0026648 mg/L	0.0026648 mg/L	10:22:32
2	Zn 206.200†	10.3	75.5	0.0065314 mg/L	0.0065314 mg/L	10:22:52

Mean Data: 1000576-blk1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	233552.3	102.225	%	0.9743				0.95%
Y 360.076	157035.5	102.317	%	0.3405				0.33%
Ag 328.068†	-4.0	0.0015910	mg/L	0.00077806	0.0015910	mg/L	0.00077806	48.90%
Al 396.153†	11.3	-0.0084227	mg/L	0.00678960	-0.0084227	mg/L	0.00678960	80.61%
As 188.979†	3.8	0.0060711	mg/L	0.00757072	0.0060711	mg/L	0.00757072	124.70%
B 249.677†	-27.1	-0.0071214	mg/L	0.00057397	-0.0071214	mg/L	0.00057397	8.06%
Ba 455.398†	-1.9	0.0010763	mg/L	0.00015362	0.0010763	mg/L	0.00015362	14.27%
Be 234.861†	12.0	0.0000531	mg/L	0.00003896	0.0000531	mg/L	0.00003896	73.43%
Ca 315.887†	63.0	0.0310461	mg/L	0.00184001	0.0310461	mg/L	0.00184001	5.93%
Cd 214.437†	0.5	-0.0007279	mg/L	0.00041658	-0.0007279	mg/L	0.00041658	57.23%
Ce 413.764†	100.6	0.0025796	mg/L	0.00038125	0.0025796	mg/L	0.00038125	14.78%
Co 228.616†	2.8	-0.0001194	mg/L	0.00051216	-0.0001194	mg/L	0.00051216	429.06%
Cr 205.557†	5.1	0.0002503	mg/L	0.00001391	0.0002503	mg/L	0.00001391	5.56%
Cu 327.397†	63.5	-0.0012645	mg/L	0.00012078	-0.0012645	mg/L	0.00012078	9.55%
Fe 238.204†	20.3	0.0081181	mg/L	0.00084666	0.0081181	mg/L	0.00084666	10.43%
K 766.490	24.4	-0.0019398	mg/L	0.01554099	-0.0019398	mg/L	0.01554099	801.16%
Li 670.784†	-6.4	0.0012087	mg/L	0.00040874	0.0012087	mg/L	0.00040874	33.82%
Mg 279.071†	10.0	0.0240072	mg/L	0.00181290	0.0240072	mg/L	0.00181290	7.55%
Mn 257.610†	34.2	0.0000413	mg/L	0.00002296	0.0000413	mg/L	0.00002296	55.53%
Mo 202.031†	-2.6	0.0006092	mg/L	0.00065260	0.0006092	mg/L	0.00065260	107.12%
Na 589.592†	44.5	0.0088296	mg/L	0.00018744	0.0088296	mg/L	0.00018744	2.12%
Ni 231.604†	4.9	-0.0004626	mg/L	0.00032715	-0.0004626	mg/L	0.00032715	70.72%
Pb 220.353†	-4.0	0.0007039	mg/L	0.00146091	0.0007039	mg/L	0.00146091	207.53%

Sb 217.584†	1.0	0.0036479 mg/L	0.00126432	0.0036479 mg/L	0.00126432	34.66%
Se 196.026†	0.0	-0.0065190 mg/L	0.00766185	-0.0065190 mg/L	0.00766185	117.53%
Si 251.611†	-337.2	-0.0205604 mg/L	0.00021854	-0.0205604 mg/L	0.00021854	1.06%
Sn 189.927†	18.7	0.0114021 mg/L	0.00036793	0.0114021 mg/L	0.00036793	3.23%
Sr 407.771†	14.6	0.0008723 mg/L	0.00001250	0.0008723 mg/L	0.00001250	1.43%
Ti 334.940†	14.1	0.0031843 mg/L	0.00006039	0.0031843 mg/L	0.00006039	1.90%
Tl 190.801†	-1.9	0.0000302 mg/L	0.00607137	0.0000302 mg/L	0.00607137	>999.9%
V 292.395†	55.2	0.0019454 mg/L	0.00101742	0.0019454 mg/L	0.00101742	52.30%
Zn 206.200†	72.2	0.0062171 mg/L	0.00044443	0.0062171 mg/L	0.00044443	7.15%

Sequence No.: 16
Sample ID: 1000576-bs1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 1/27/2010 10:24:07 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000576-bs1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	160549.3	160549.3	104.607	%			10:25:12
1	Al 396.153†	4295.4	3911.0	1.23268	mg/L	1.23268	mg/L	10:25:32
1	Ba 455.398†	74961.6	71663.6	0.247160	mg/L	0.247160	mg/L	10:25:12
1	Ca 315.887†	20592.8	19554.9	12.2440	mg/L	12.2440	mg/L	10:25:12
1	Fe 238.204†	713.4	649.8	0.253863	mg/L	0.253863	mg/L	10:25:32
1	K 766.490	8169.7	8189.5	12.3770	mg/L	12.3770	mg/L	10:25:12
1	Li 670.784†	8403.8	8054.7	0.247393	mg/L	0.247393	mg/L	10:25:12
1	Mg 279.071†	6444.5	6146.5	12.6522	mg/L	12.6522	mg/L	10:25:32
1	Na 589.592†	84465.2	79969.8	12.3100	mg/L	12.3100	mg/L	10:25:12
1	Sr 407.771†	201424.9	191899.9	0.247312	mg/L	0.247312	mg/L	10:25:12
1	Ti 334.940†	4100.8	3926.2	0.257275	mg/L	0.257275	mg/L	10:25:32
1	Sc 357.234	238121.0	238121.0	104.224	%			10:26:04
1	Ag 328.068†	15997.7	15375.4	0.240789	mg/L	0.240789	mg/L	10:26:04
1	As 188.979†	811.7	798.9	1.24786	mg/L	1.24786	mg/L	10:26:24
1	B 249.677†	4955.3	4356.8	0.229230	mg/L	0.229230	mg/L	10:26:24
1	Be 234.861†	4699.2	5303.5	0.0252550	mg/L	0.0252550	mg/L	10:26:24
1	Cd 214.437†	7499.8	6996.4	0.250081	mg/L	0.250081	mg/L	10:26:24
1	Ce 413.764†	385.0	46.4	0.0011408	mg/L	0.0011408	mg/L	10:26:04
1	Co 228.616†	1634.7	1642.0	0.246950	mg/L	0.246950	mg/L	10:26:24
1	Cr 205.557†	3017.5	2918.4	0.248146	mg/L	0.248146	mg/L	10:26:24
1	Cu 327.397†	8661.7	8055.8	0.246597	mg/L	0.246597	mg/L	10:26:04
1	Mn 257.610†	40184.1	38373.8	0.248043	mg/L	0.248043	mg/L	10:26:04
1	Mo 202.031†	2245.4	2073.2	0.255838	mg/L	0.255838	mg/L	10:26:24
1	Ni 231.604†	3666.1	3079.0	0.247259	mg/L	0.247259	mg/L	10:26:24
1	Pb 220.353†	486.2	491.4	0.249949	mg/L	0.249949	mg/L	10:26:24
1	Sb 217.584†	1664.9	1650.4	1.25315	mg/L	1.25315	mg/L	10:26:24
1	Se 196.026†	598.9	614.8	1.27652	mg/L	1.27652	mg/L	10:26:24
1	Si 251.611†	9827.6	8700.9	0.791415	mg/L	0.791415	mg/L	10:26:24
1	Sn 189.927†	2963.8	2828.5	1.25915	mg/L	1.25915	mg/L	10:26:24
1	Tl 190.801†	1068.7	1063.0	1.24387	mg/L	1.24387	mg/L	10:26:24
1	V 292.395†	10144.5	11047.9	0.251721	mg/L	0.251721	mg/L	10:26:24
1	Zn 206.200†	2753.3	2707.1	0.257462	mg/L	0.257462	mg/L	10:26:24
2	Y 360.076	160880.5	160880.5	104.823	%			10:25:37
2	Al 396.153†	4283.9	3891.6	1.22634	mg/L	1.22634	mg/L	10:25:58
2	Ba 455.398†	75864.3	72377.2	0.249610	mg/L	0.249610	mg/L	10:25:37
2	Ca 315.887†	20868.1	19776.9	12.3831	mg/L	12.3831	mg/L	10:25:37
2	Fe 238.204†	712.6	647.5	0.252983	mg/L	0.252983	mg/L	10:25:58
2	K 766.490	8212.1	8231.9	12.4413	mg/L	12.4413	mg/L	10:25:37
2	Li 670.784†	8420.3	8054.0	0.247370	mg/L	0.247370	mg/L	10:25:37
2	Mg 279.071†	6453.8	6142.6	12.6443	mg/L	12.6443	mg/L	10:25:58
2	Na 589.592†	85096.1	80405.4	12.3770	mg/L	12.3770	mg/L	10:25:37
2	Sr 407.771†	203796.3	193765.7	0.249708	mg/L	0.249708	mg/L	10:25:37
2	Ti 334.940†	4090.4	3908.2	0.256108	mg/L	0.256108	mg/L	10:25:58
2	Sc 357.234	232256.2	232256.2	101.657	%			10:26:29
2	Ag 328.068†	15864.7	15632.2	0.244786	mg/L	0.244786	mg/L	10:26:29
2	As 188.979†	826.2	832.8	1.30096	mg/L	1.30096	mg/L	10:26:49
2	B 249.677†	4984.8	4505.9	0.237282	mg/L	0.237282	mg/L	10:26:49
2	Be 234.861†	4758.9	5476.1	0.0260803	mg/L	0.0260803	mg/L	10:26:49
2	Cd 214.437†	7562.6	7239.9	0.258813	mg/L	0.258813	mg/L	10:26:49
2	Ce 413.764†	406.0	76.4	0.0019122	mg/L	0.0019122	mg/L	10:26:29

2	Co 228.616†	1636.6	1683.5	0.253226 mg/L	0.253226 mg/L	10:26:49
2	Cr 205.557†	3041.7	3015.3	0.256395 mg/L	0.256395 mg/L	10:26:49
2	Cu 327.397†	8529.1	8135.2	0.249058 mg/L	0.249058 mg/L	10:26:29
2	Mn 257.610†	39722.0	38892.8	0.251400 mg/L	0.251400 mg/L	10:26:29
2	Mo 202.031†	2271.6	2153.3	0.265687 mg/L	0.265687 mg/L	10:26:49
2	Ni 231.604†	3692.1	3193.3	0.256478 mg/L	0.256478 mg/L	10:26:49
2	Pb 220.353†	476.8	493.9	0.251226 mg/L	0.251226 mg/L	10:26:49
2	Sb 217.584†	1679.6	1705.2	1.29465 mg/L	1.29465 mg/L	10:26:49
2	Se 196.026†	604.9	635.3	1.31924 mg/L	1.31924 mg/L	10:26:49
2	Si 251.611†	9897.8	9008.0	0.819262 mg/L	0.819262 mg/L	10:26:49
2	Sn 189.927†	3002.9	2938.8	1.30802 mg/L	1.30802 mg/L	10:26:49
2	Tl 190.801†	1083.8	1103.7	1.29131 mg/L	1.29131 mg/L	10:26:49
2	V 292.395†	10197.1	11345.5	0.258519 mg/L	0.258519 mg/L	10:26:49
2	Zn 206.200†	2782.3	2802.3	0.266558 mg/L	0.266558 mg/L	10:26:49

Mean Data: 1000576-bs1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	235188.6	102.941	%	1.8151				1.76%
Y 360.076	160714.9	104.715	%	0.1526				0.15%
Ag 328.068†	15503.8	0.242787	mg/L	0.0028258	0.242787	mg/L	0.0028258	1.16%
Al 396.153†	3901.3	1.22951	mg/L	0.004484	1.22951	mg/L	0.004484	0.36%
As 188.979†	815.8	1.27441	mg/L	0.037549	1.27441	mg/L	0.037549	2.95%
B 249.677†	4431.3	0.233256	mg/L	0.0056935	0.233256	mg/L	0.0056935	2.44%
Ba 455.398†	72020.4	0.248385	mg/L	0.0017327	0.248385	mg/L	0.0017327	0.70%
Be 234.861†	5389.8	0.0256676	mg/L	0.00058360	0.0256676	mg/L	0.00058360	2.27%
Ca 315.887†	19665.9	12.3136	mg/L	0.09839	12.3136	mg/L	0.09839	0.80%
Cd 214.437†	7118.2	0.254447	mg/L	0.0061744	0.254447	mg/L	0.0061744	2.43%
Ce 413.764†	61.4	0.0015265	mg/L	0.00054542	0.0015265	mg/L	0.00054542	35.73%
Co 228.616†	1662.7	0.250088	mg/L	0.0044379	0.250088	mg/L	0.0044379	1.77%
Cr 205.557†	2966.9	0.252271	mg/L	0.0058327	0.252271	mg/L	0.0058327	2.31%
Cu 327.397†	8095.5	0.247827	mg/L	0.0017405	0.247827	mg/L	0.0017405	0.70%
Fe 238.204†	648.7	0.253423	mg/L	0.0006225	0.253423	mg/L	0.0006225	0.25%
K 766.490	8210.7	12.4092	mg/L	0.04546	12.4092	mg/L	0.04546	0.37%
Li 670.784†	8054.4	0.247381	mg/L	0.0000160	0.247381	mg/L	0.0000160	0.01%
Mg 279.071†	6144.6	12.6482	mg/L	0.00560	12.6482	mg/L	0.00560	0.04%
Mn 257.610†	38633.3	0.249722	mg/L	0.0023737	0.249722	mg/L	0.0023737	0.95%
Mo 202.031†	2113.2	0.260763	mg/L	0.0069640	0.260763	mg/L	0.0069640	2.67%
Na 589.592†	80187.6	12.3435	mg/L	0.04740	12.3435	mg/L	0.04740	0.38%
Ni 231.604†	3136.2	0.251869	mg/L	0.0065187	0.251869	mg/L	0.0065187	2.59%
Pb 220.353†	492.6	0.250588	mg/L	0.0009029	0.250588	mg/L	0.0009029	0.36%
Sb 217.584†	1677.8	1.27390	mg/L	0.029341	1.27390	mg/L	0.029341	2.30%
Se 196.026†	625.0	1.29788	mg/L	0.030206	1.29788	mg/L	0.030206	2.33%
Si 251.611†	8854.4	0.805338	mg/L	0.0196912	0.805338	mg/L	0.0196912	2.45%
Sn 189.927†	2883.7	1.28358	mg/L	0.034561	1.28358	mg/L	0.034561	2.69%
Sr 407.771†	192832.8	0.248510	mg/L	0.0016945	0.248510	mg/L	0.0016945	0.68%
Ti 334.940†	3917.2	0.256692	mg/L	0.0008252	0.256692	mg/L	0.0008252	0.32%
Tl 190.801†	1083.4	1.26759	mg/L	0.033550	1.26759	mg/L	0.033550	2.65%
V 292.395†	11196.7	0.255120	mg/L	0.0048069	0.255120	mg/L	0.0048069	1.88%
Zn 206.200†	2754.7	0.262010	mg/L	0.0064318	0.262010	mg/L	0.0064318	2.45%

==========

Sequence No.: 17
Sample ID: 1001254-03
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 1/27/2010 10:28:01 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001254-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	162251.1	162251.1	105.716	%			10:29:12
1	Al 396.153†	239428.9	226288.6	72.1352	mg/L	72.1352	mg/L	10:29:07
1	Ba 455.398†	158839.7	150255.1	0.517025	mg/L	0.517025	mg/L	10:29:07
1	Ca 315.887†	113685.3	107407.7	67.2896	mg/L	67.2896	mg/L	10:29:12
1	Fe 238.204†	609613.8	576622.1	225.930	mg/L	225.930	mg/L	10:29:07
1	K 766.490	3201.3	3221.1	4.84456	mg/L	4.84456	mg/L	10:29:12
1	Li 670.784†	2030.7	1942.0	0.0607117	mg/L	0.0607117	mg/L	10:29:12
1	Mg 279.071†	17423.3	16467.0	33.8905	mg/L	33.8905	mg/L	10:29:12

1	Na 589.592†	2941.4	2006.7	0.310823 mg/L	0.310823 mg/L	10:29:12
1	Sr 407.771†	71111.9	66612.8	0.0864046 mg/L	0.0864046 mg/L	10:29:12
1	Ti 334.940†	29932.5	28320.1	1.84169 mg/L	1.84169 mg/L	10:29:12
1	Sc 357.234	233699.2	233699.2	102.289 %		10:29:29
1	Ag 328.068†	-9191.9	-8960.0	-0.106368 mg/L	-0.106368 mg/L	10:29:49
1	As 188.979†	77.4	95.7	0.136174 mg/L	0.136174 mg/L	10:29:49
1	B 249.677†	345.5	-59.9	0.0152957 mg/L	0.0152957 mg/L	10:29:29
1	Be 234.861†	16533.0	16957.8	0.0046030 mg/L	0.0046030 mg/L	10:29:29
1	Cd 214.437†	1252.0	1024.6	-0.0101648 mg/L	-0.0101648 mg/L	10:29:49
1	Ce 413.764†	8070.6	7567.0	0.193444 mg/L	0.193444 mg/L	10:29:29
1	Co 228.616†	376.4	441.6	0.0541200 mg/L	0.0541200 mg/L	10:29:49
1	Cr 205.557†	1600.0	1587.4	0.148802 mg/L	0.148802 mg/L	10:29:49
1	Cu 327.397†	3953.8	3610.4	0.109836 mg/L	0.109836 mg/L	10:29:29
1	Mn 257.610†	1450579.9	1417937.4	9.17996 mg/L	9.17996 mg/L	10:29:29
1	Mo 202.031†	145.9	61.4	0.0084700 mg/L	0.0084700 mg/L	10:29:49
1	Ni 231.604†	1804.8	1325.9	0.105846 mg/L	0.105846 mg/L	10:29:49
1	Pb 220.353†	284.6	303.1	0.156233 mg/L	0.156233 mg/L	10:29:49
1	Sb 217.584†	-1325.7	-1243.1	-0.259320 mg/L	-0.259320 mg/L	10:29:49
1	Se 196.026†	63.0	101.9	0.472537 mg/L	0.472537 mg/L	10:29:49
1	Si 251.611†	112709.5	109458.9	9.93324 mg/L	9.93324 mg/L	10:29:29
1	Sn 189.927†	-28.4	-43.0	-0.0012511 mg/L	-0.0012511 mg/L	10:29:49
1	Tl 190.801†	-76.5	-37.2	-0.0221632 mg/L	-0.0221632 mg/L	10:29:49
1	V 292.395†	10942.2	12011.9	0.228494 mg/L	0.228494 mg/L	10:29:49
1	Zn 206.200†	3918.5	3896.2	0.355721 mg/L	0.355721 mg/L	10:29:49
2	Y 360.076	161444.1	161444.1	105.190 %		10:29:22
2	Al 396.153†	239655.4	227636.1	72.5648 mg/L	72.5648 mg/L	10:29:17
2	Ba 455.398†	159087.3	151241.5	0.520413 mg/L	0.520413 mg/L	10:29:17
2	Ca 315.887†	114070.6	108311.6	67.8559 mg/L	67.8559 mg/L	10:29:22
2	Fe 238.204†	611731.6	581517.8	227.849 mg/L	227.849 mg/L	10:29:17
2	K 766.490	3199.2	3219.1	4.84139 mg/L	4.84139 mg/L	10:29:22
2	Li 670.784†	2054.4	1974.0	0.0616908 mg/L	0.0616908 mg/L	10:29:22
2	Mg 279.071†	17508.5	16630.4	34.2267 mg/L	34.2267 mg/L	10:29:22
2	Na 589.592†	2959.3	2037.6	0.315588 mg/L	0.315588 mg/L	10:29:22
2	Sr 407.771†	71422.7	67244.4	0.0872158 mg/L	0.0872158 mg/L	10:29:22
2	Ti 334.940†	30159.5	28677.5	1.86490 mg/L	1.86490 mg/L	10:29:22
2	Sc 357.234	236777.9	236777.9	103.637 %		10:29:54
2	Ag 328.068†	-9096.6	-8751.3	-0.102883 mg/L	-0.102883 mg/L	10:30:14
2	As 188.979†	75.3	92.7	0.131270 mg/L	0.131270 mg/L	10:30:14
2	B 249.677†	372.4	-38.4	0.0166519 mg/L	0.0166519 mg/L	10:29:54
2	Be 234.861†	16624.7	16836.1	0.0033734 mg/L	0.0033734 mg/L	10:29:54
2	Cd 214.437†	1245.4	1002.3	-0.0113400 mg/L	-0.0113400 mg/L	10:30:14
2	Ce 413.764†	8055.1	7449.5	0.190421 mg/L	0.190421 mg/L	10:29:54
2	Co 228.616†	387.4	447.4	0.0548824 mg/L	0.0548824 mg/L	10:30:14
2	Cr 205.557†	1585.1	1552.7	0.145964 mg/L	0.145964 mg/L	10:30:14
2	Cu 327.397†	3931.0	3538.2	0.107610 mg/L	0.107610 mg/L	10:29:54
2	Mn 257.610†	1455091.6	1403851.7	9.08892 mg/L	9.08892 mg/L	10:29:54
2	Mo 202.031†	142.0	55.8	0.0077856 mg/L	0.0077856 mg/L	10:30:14
2	Ni 231.604†	1814.3	1312.1	0.104734 mg/L	0.104734 mg/L	10:30:14
2	Pb 220.353†	295.8	310.3	0.159896 mg/L	0.159896 mg/L	10:30:14
2	Sb 217.584†	-1323.7	-1224.3	-0.239384 mg/L	-0.239384 mg/L	10:30:14
2	Se 196.026†	39.7	78.5	0.426026 mg/L	0.426026 mg/L	10:30:14
2	Si 251.611†	113011.6	108317.7	9.82977 mg/L	9.82977 mg/L	10:29:54
2	Sn 189.927†	-56.3	-69.5	-0.0129031 mg/L	-0.0129031 mg/L	10:30:14
2	Tl 190.801†	-73.5	-33.3	-0.0174521 mg/L	-0.0174521 mg/L	10:30:14
2	V 292.395†	10875.1	11808.1	0.223537 mg/L	0.223537 mg/L	10:30:14
2	Zn 206.200†	3903.1	3831.5	0.349418 mg/L	0.349418 mg/L	10:30:14

Mean Data: 1001254-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	235238.6	102.963	%	0.9529				0.93%
Y 360.076	161847.6	105.453	%	0.3718				0.35%
Ag 328.068†	-8855.7	-0.104626	mg/L	0.0024642	-0.104626	mg/L	0.0024642	2.36%
Al 396.153†	226962.4	72.3500	mg/L	0.30380	72.3500	mg/L	0.30380	0.42%
As 188.979†	94.2	0.133722	mg/L	0.0034677	0.133722	mg/L	0.0034677	2.59%
B 249.677†	-49.1	0.0159738	mg/L	0.00095892	0.0159738	mg/L	0.00095892	6.00%
Ba 455.398†	150748.3	0.518719	mg/L	0.0023952	0.518719	mg/L	0.0023952	0.46%
Be 234.861†	16896.9	0.0039882	mg/L	0.00086947	0.0039882	mg/L	0.00086947	21.80%
Ca 315.887†	107859.6	67.5728	mg/L	0.40046	67.5728	mg/L	0.40046	0.59%
Cd 214.437†	1013.5	-0.0107524	mg/L	0.00083101	-0.0107524	mg/L	0.00083101	7.73%

00236

Ce 413.764†	7508.2	0.191932 mg/L	0.0021378	0.191932 mg/L	0.0021378	1.11%
Co 228.616†	444.5	0.0545012 mg/L	0.00053913	0.0545012 mg/L	0.00053913	0.99%
Cr 205.557†	1570.1	0.147383 mg/L	0.0020071	0.147383 mg/L	0.0020071	1.36%
Cu 327.397†	3574.3	0.108723 mg/L	0.0015735	0.108723 mg/L	0.0015735	1.45%
Fe 238.204†	579069.9	226.889 mg/L	1.3564	226.889 mg/L	1.3564	0.60%
K 766.490	3220.1	4.84297 mg/L	0.002246	4.84297 mg/L	0.002246	0.05%
Li 670.784†	1958.0	0.0612013 mg/L	0.00069237	0.0612013 mg/L	0.00069237	1.13%
Mg 279.071†	16548.7	34.0586 mg/L	0.23772	34.0586 mg/L	0.23772	0.70%
Mn 257.610†	1410894.5	9.13444 mg/L	0.064374	9.13444 mg/L	0.064374	0.70%
Mo 202.031†	58.6	0.0081278 mg/L	0.00048397	0.0081278 mg/L	0.00048397	5.95%
Na 589.592†	2022.2	0.313206 mg/L	0.0033699	0.313206 mg/L	0.0033699	1.08%
Ni 231.604†	1319.0	0.105290 mg/L	0.0007858	0.105290 mg/L	0.0007858	0.75%
Pb 220.353†	306.7	0.158064 mg/L	0.0025905	0.158064 mg/L	0.0025905	1.64%
Sb 217.584†	-1233.7	-0.249352 mg/L	0.0140968	-0.249352 mg/L	0.0140968	5.65%
Se 196.026†	90.2	0.449282 mg/L	0.0328881	0.449282 mg/L	0.0328881	7.32%
Si 251.611†	108888.3	9.88150 mg/L	0.073168	9.88150 mg/L	0.073168	0.74%
Sn 189.927†	-56.2	-0.0070771 mg/L	0.00823923	-0.0070771 mg/L	0.00823923	116.42%
Sr 407.771†	66928.6	0.0868102 mg/L	0.00057363	0.0868102 mg/L	0.00057363	0.66%
Ti 334.940†	28498.8	1.85329 mg/L	0.016414	1.85329 mg/L	0.016414	0.89%
Tl 190.801†	-35.3	-0.0198077 mg/L	0.00333125	-0.0198077 mg/L	0.00333125	16.82%
V 292.395†	11910.0	0.226016 mg/L	0.0035055	0.226016 mg/L	0.0035055	1.55%
Zn 206.200†	3863.8	0.352570 mg/L	0.0044564	0.352570 mg/L	0.0044564	1.26%

Sequence No.: 18 **Autosampler Location: 20**
Sample ID: 1001254-04 **Date Collected: 1/27/2010 10:33:10 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1001254-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	188767.9	188767.9	122.993	%			10:34:20
1	Al 396.153†	245664.6	199543.8	63.6529	mg/L	63.6529	mg/L	10:34:15
1	Ba 455.398†	813024.7	661037.5	2.27094	mg/L	2.27094	mg/L	10:34:15
1	Ca 315.887†	508527.9	413330.4	258.970	mg/L	258.970	mg/L	10:34:15
1	Fe 238.204†	268315.9	218123.5	85.4606	mg/L	85.4606	mg/L	10:34:15
1	K 766.490	2644.0	2663.8	3.99952	mg/L	3.99952	mg/L	10:34:20
1	Li 670.784†	2818.1	2312.3	0.0720216	mg/L	0.0720216	mg/L	10:34:20
1	Mg 279.071†	57111.3	46420.4	95.5305	mg/L	95.5305	mg/L	10:34:20
1	Na 589.592†	7508.8	5329.4	0.822217	mg/L	0.822217	mg/L	10:34:20
1	Sr 407.771†	382811.5	310592.6	0.399749	mg/L	0.399749	mg/L	10:34:15
1	Ti 334.940†	39247.3	31916.2	2.07526	mg/L	2.07526	mg/L	10:34:20
1	Sc 357.234	236889.4	236889.4	103.685	%			10:34:37
1	Ag 328.068†	-4200.4	-4025.0	-0.0460102	mg/L	-0.0460102	mg/L	10:34:57
1	As 188.979†	52.7	70.9	0.0960165	mg/L	0.0960165	mg/L	10:34:57
1	B 249.677†	990.4	557.5	0.0326697	mg/L	0.0326697	mg/L	10:34:37
1	Be 234.861†	8344.9	8843.0	0.0130945	mg/L	0.0130945	mg/L	10:34:37
1	Cd 214.437†	789.4	561.9	-0.0003871	mg/L	-0.0003871	mg/L	10:34:57
1	Ce 413.764†	6425.5	5874.1	0.149945	mg/L	0.149945	mg/L	10:34:37
1	Co 228.616†	320.9	383.1	0.0497001	mg/L	0.0497001	mg/L	10:34:57
1	Cr 205.557†	1672.4	1636.2	0.144306	mg/L	0.144306	mg/L	10:34:57
1	Cu 327.397†	12190.0	11501.9	0.354552	mg/L	0.354552	mg/L	10:34:37
1	Mn 257.610†	357623.6	344730.9	2.23286	mg/L	2.23286	mg/L	10:34:37
1	Mo 202.031†	267.0	176.3	0.0225952	mg/L	0.0225952	mg/L	10:34:57
1	Ni 231.604†	1932.7	1425.4	0.113911	mg/L	0.113911	mg/L	10:34:57
1	Pb 220.353†	413.7	423.9	0.216697	mg/L	0.216697	mg/L	10:34:57
1	Sb 217.584†	-655.9	-579.6	-0.178860	mg/L	-0.178860	mg/L	10:34:57
1	Se 196.026†	16.2	55.8	0.211012	mg/L	0.211012	mg/L	10:34:57
1	Si 251.611†	81753.8	78119.6	7.05279	mg/L	7.05279	mg/L	10:34:37
1	Sn 189.927†	-141.0	-151.1	-0.0073558	mg/L	-0.0073558	mg/L	10:34:57
1	Tl 190.801†	-73.3	-33.1	-0.0153178	mg/L	-0.0153178	mg/L	10:34:57
1	V 292.395†	12894.3	13750.6	0.293321	mg/L	0.293321	mg/L	10:34:37
1	Zn 206.200†	11751.9	11399.5	1.07857	mg/L	1.07857	mg/L	10:34:57
2	Y 360.076	165404.6	165404.6	107.770	%			10:34:31
2	Al 396.153†	241383.1	223784.0	71.3871	mg/L	71.3871	mg/L	10:34:26
2	Ba 455.398†	801964.0	744145.3	2.55631	mg/L	2.55631	mg/L	10:34:26
2	Ca 315.887†	502580.5	466213.1	292.105	mg/L	292.105	mg/L	10:34:26
2	Fe 238.204†	264795.8	245671.7	96.2538	mg/L	96.2538	mg/L	10:34:26

2	K 766.490	2762.1	2782.0	4.17870 mg/L	4.17870 mg/L	10:34:31
2	Li 670.784†	2907.6	2719.0	0.0844406 mg/L	0.0844406 mg/L	10:34:31
2	Mg 279.071†	59275.1	54987.1	113.159 mg/L	113.159 mg/L	10:34:31
2	Na 589.592†	7774.2	6438.1	0.992850 mg/L	0.992850 mg/L	10:34:31
2	Sr 407.771†	377129.1	349283.5	0.449440 mg/L	0.449440 mg/L	10:34:26
2	Ti 334.940†	40761.9	37828.9	2.45930 mg/L	2.45930 mg/L	10:34:31
2	Sc 357.234	237611.8	237611.8	104.002 %		10:35:02
2	Ag 328.068†	-4187.5	-4000.3	-0.0438502 mg/L	-0.0438502 mg/L	10:35:22
2	As 188.979†	45.8	64.1	0.0827411 mg/L	0.0827411 mg/L	10:35:22
2	B 249.677†	954.8	520.4	0.0316133 mg/L	0.0316133 mg/L	10:35:02
2	Be 234.861†	8341.2	8815.0	0.0092779 mg/L	0.0092779 mg/L	10:35:02
2	Cd 214.437†	796.9	566.8	-0.0026525 mg/L	-0.0026525 mg/L	10:35:22
2	Ce 413.764†	6360.9	5793.2	0.147725 mg/L	0.147725 mg/L	10:35:02
2	Co 228.616†	320.4	381.7	0.0482428 mg/L	0.0482428 mg/L	10:35:22
2	Cr 205.557†	1657.8	1617.2	0.143354 mg/L	0.143354 mg/L	10:35:22
2	Cu 327.397†	12261.1	11534.5	0.355795 mg/L	0.355795 mg/L	10:35:02
2	Mn 257.610†	360228.9	346187.3	2.24268 mg/L	2.24268 mg/L	10:35:02
2	Mo 202.031†	270.5	178.9	0.0229209 mg/L	0.0229209 mg/L	10:35:22
2	Ni 231.604†	1925.8	1413.1	0.112921 mg/L	0.112921 mg/L	10:35:22
2	Pb 220.353†	412.7	421.7	0.215851 mg/L	0.215851 mg/L	10:35:22
2	Sb 217.584†	-648.8	-570.9	-0.139832 mg/L	-0.139832 mg/L	10:35:22
2	Se 196.026†	20.9	60.3	0.232978 mg/L	0.232978 mg/L	10:35:22
2	Si 251.611†	82368.3	78470.7	7.07729 mg/L	7.07729 mg/L	10:35:02
2	Sn 189.927†	-152.3	-161.6	-0.0047532 mg/L	-0.0047532 mg/L	10:35:22
2	Tl 190.801†	-66.8	-26.7	-0.0041864 mg/L	-0.0041864 mg/L	10:35:22
2	V 292.395†	12983.2	13798.3	0.292182 mg/L	0.292182 mg/L	10:35:02
2	Zn 206.200†	11852.5	11461.8	1.08324 mg/L	1.08324 mg/L	10:35:22

Mean Data: 1001254-04

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	237250.6	103.843	%	0.2236				0.22%
Y 360.076	177086.2	115.382	%	10.7640				9.33%
Ag 328.068†	-4012.6	-0.0449302	mg/L	0.00152734	-0.0449302	mg/L	0.00152734	3.40%
Al 396.153†	211663.9	67.5200	mg/L	5.46891	67.5200	mg/L	5.46891	8.10%
As 188.979†	67.5	0.0893788	mg/L	0.00938712	0.0893788	mg/L	0.00938712	10.50%
B 249.677†	539.0	0.0321415	mg/L	0.00074696	0.0321415	mg/L	0.00074696	2.32%
Ba 455.398†	702591.4	2.41363	mg/L	0.201790	2.41363	mg/L	0.201790	8.36%
Be 234.861†	8829.0	0.0111862	mg/L	0.00269873	0.0111862	mg/L	0.00269873	24.13%
Ca 315.887†	439771.8	275.538	mg/L	23.4296	275.538	mg/L	23.4296	8.50%
Cd 214.437†	564.4	-0.0015198	mg/L	0.00160189	-0.0015198	mg/L	0.00160189	105.40%
Ce 413.764†	5833.6	0.148835	mg/L	0.0015699	0.148835	mg/L	0.0015699	1.05%
Co 228.616†	382.4	0.0489715	mg/L	0.00103052	0.0489715	mg/L	0.00103052	2.10%
Cr 205.557†	1626.7	0.143830	mg/L	0.0006735	0.143830	mg/L	0.0006735	0.47%
Cu 327.397†	11518.2	0.355173	mg/L	0.0008790	0.355173	mg/L	0.0008790	0.25%
Fe 238.204†	231897.6	90.8572	mg/L	7.63191	90.8572	mg/L	7.63191	8.40%
K 766.490	2722.9	4.08911	mg/L	0.126699	4.08911	mg/L	0.126699	3.10%
Li 670.784†	2515.6	0.0782311	mg/L	0.00878156	0.0782311	mg/L	0.00878156	11.23%
Mg 279.071†	50703.8	104.345	mg/L	12.4656	104.345	mg/L	12.4656	11.95%
Mn 257.610†	345459.1	2.23777	mg/L	0.006948	2.23777	mg/L	0.006948	0.31%
Mo 202.031†	177.6	0.0227580	mg/L	0.00023030	0.0227580	mg/L	0.00023030	1.01%
Na 589.592†	5883.7	0.907533	mg/L	0.1206557	0.907533	mg/L	0.1206557	13.29%
Ni 231.604†	1419.3	0.113416	mg/L	0.0007001	0.113416	mg/L	0.0007001	0.62%
Pb 220.353†	422.8	0.216274	mg/L	0.0005984	0.216274	mg/L	0.0005984	0.28%
Sb 217.584†	-575.2	-0.159346	mg/L	0.0275972	-0.159346	mg/L	0.0275972	17.32%
Se 196.026†	58.1	0.221995	mg/L	0.0155328	0.221995	mg/L	0.0155328	7.00%
Si 251.611†	78295.2	7.06504	mg/L	0.017327	7.06504	mg/L	0.017327	0.25%
Sn 189.927†	-156.4	-0.0060545	mg/L	0.00184034	-0.0060545	mg/L	0.00184034	30.40%
Sr 407.771†	329938.1	0.424595	mg/L	0.0351368	0.424595	mg/L	0.0351368	8.28%
Ti 334.940†	34872.5	2.26728	mg/L	0.271556	2.26728	mg/L	0.271556	11.98%
Tl 190.801†	-29.9	-0.0097521	mg/L	0.00787107	-0.0097521	mg/L	0.00787107	80.71%
V 292.395†	13774.5	0.292752	mg/L	0.0008054	0.292752	mg/L	0.0008054	0.28%
Zn 206.200†	11430.7	1.08091	mg/L	0.003305	1.08091	mg/L	0.003305	0.31%

Sequence No.: 19
Sample ID: 1001254-05
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 1/27/2010 10:38:15 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001254-05

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	162423.6	162423.6	105.828	%			10:39:26
1	Al 396.153†	260076.8	245559.0	78.2870	mg/L	78.2870	mg/L	10:39:26
1	Ba 455.398†	213168.6	201432.5	0.692757	mg/L	0.692757	mg/L	10:39:26
1	Ca 315.887†	186278.5	175888.9	110.198	mg/L	110.198	mg/L	10:39:26
1	Fe 238.204†	667565.4	630769.8	247.148	mg/L	247.148	mg/L	10:39:21
1	K 766.490	3474.1	3493.9	5.25808	mg/L	5.25808	mg/L	10:39:26
1	Li 670.784†	2939.3	2798.5	0.0868699	mg/L	0.0868699	mg/L	10:39:26
1	Mg 279.071†	31947.1	30173.5	62.0965	mg/L	62.0965	mg/L	10:39:26
1	Na 589.592†	14544.0	12967.4	1.99778	mg/L	1.99778	mg/L	10:39:26
1	Sr 407.771†	110246.4	103520.7	0.133806	mg/L	0.133806	mg/L	10:39:26
1	Ti 334.940†	44995.6	42523.6	2.76422	mg/L	2.76422	mg/L	10:39:26
1	Sc 357.234	234689.1	234689.1	102.722	%			10:39:43
1	Ag 328.068†	-9837.1	-9550.3	-0.112073	mg/L	-0.112073	mg/L	10:39:43
1	As 188.979†	54.6	73.2	0.0944068	mg/L	0.0944068	mg/L	10:40:03
1	B 249.677†	233.2	-170.7	0.0110084	mg/L	0.0110084	mg/L	10:39:43
1	Be 234.861†	17904.8	18225.0	0.0034853	mg/L	0.0034853	mg/L	10:39:43
1	Cd 214.437†	1336.5	1101.6	-0.0115496	mg/L	-0.0115496	mg/L	10:40:03
1	Ce 413.764†	9761.4	9179.7	0.234472	mg/L	0.234472	mg/L	10:39:43
1	Co 228.616†	557.0	615.8	0.0776269	mg/L	0.0776269	mg/L	10:40:03
1	Cr 205.557†	1992.0	1962.4	0.182004	mg/L	0.182004	mg/L	10:40:03
1	Cu 327.397†	8836.5	8347.4	0.257205	mg/L	0.257205	mg/L	10:39:43
1	Mn 257.610†	684902.4	666570.0	4.32069	mg/L	4.32069	mg/L	10:39:43
1	Mo 202.031†	208.6	121.8	0.0159002	mg/L	0.0159002	mg/L	10:40:03
1	Ni 231.604†	2431.5	1928.5	0.154363	mg/L	0.154363	mg/L	10:40:03
1	Pb 220.353†	572.9	582.6	0.297337	mg/L	0.297337	mg/L	10:40:03
1	Sb 217.584†	-1444.3	-1353.0	-0.278612	mg/L	-0.278612	mg/L	10:40:03
1	Se 196.026†	60.7	99.3	0.492399	mg/L	0.492399	mg/L	10:40:03
1	Si 251.611†	98601.0	95259.5	8.62850	mg/L	8.62850	mg/L	10:39:43
1	Sn 189.927†	-116.6	-128.6	-0.0298492	mg/L	-0.0298492	mg/L	10:40:03
1	Tl 190.801†	-92.5	-52.5	-0.0309768	mg/L	-0.0309768	mg/L	10:40:03
1	V 292.395†	13430.8	14389.5	0.277588	mg/L	0.277588	mg/L	10:39:43
1	Zn 206.200†	5246.5	5172.8	0.475478	mg/L	0.475478	mg/L	10:40:03
2	Y 360.076	162724.1	162724.1	106.024	%			10:39:37
2	Al 396.153†	261107.8	246077.5	78.4524	mg/L	78.4524	mg/L	10:39:37
2	Ba 455.398†	214010.0	201854.1	0.694205	mg/L	0.694205	mg/L	10:39:37
2	Ca 315.887†	187555.2	176768.0	110.748	mg/L	110.748	mg/L	10:39:37
2	Fe 238.204†	668601.9	630582.5	247.074	mg/L	247.074	mg/L	10:39:31
2	K 766.490	3496.5	3516.3	5.29199	mg/L	5.29199	mg/L	10:39:37
2	Li 670.784†	2924.7	2779.6	0.0862924	mg/L	0.0862924	mg/L	10:39:37
2	Mg 279.071†	32068.5	30232.3	62.2174	mg/L	62.2174	mg/L	10:39:37
2	Na 589.592†	14561.8	12958.9	1.99645	mg/L	1.99645	mg/L	10:39:37
2	Sr 407.771†	110802.4	103852.6	0.134232	mg/L	0.134232	mg/L	10:39:37
2	Ti 334.940†	45227.7	42664.0	2.77334	mg/L	2.77334	mg/L	10:39:37
2	Sc 357.234	232986.9	232986.9	101.977	%			10:40:09
2	Ag 328.068†	-9892.3	-9674.4	-0.114001	mg/L	-0.114001	mg/L	10:40:09
2	As 188.979†	63.8	82.6	0.109169	mg/L	0.109169	mg/L	10:40:29
2	B 249.677†	247.1	-155.4	0.0118239	mg/L	0.0118239	mg/L	10:40:09
2	Be 234.861†	17977.4	18423.6	0.0044582	mg/L	0.0044582	mg/L	10:40:09
2	Cd 214.437†	1332.2	1107.0	-0.0113567	mg/L	-0.0113567	mg/L	10:40:29
2	Ce 413.764†	9716.8	9205.4	0.235128	mg/L	0.235128	mg/L	10:40:09
2	Co 228.616†	553.0	615.8	0.0776191	mg/L	0.0776191	mg/L	10:40:29
2	Cr 205.557†	2007.3	1991.6	0.184477	mg/L	0.184477	mg/L	10:40:29
2	Cu 327.397†	8849.5	8423.1	0.259555	mg/L	0.259555	mg/L	10:40:09
2	Mn 257.610†	685173.1	671706.8	4.35391	mg/L	4.35391	mg/L	10:40:09
2	Mo 202.031†	204.3	119.1	0.0155643	mg/L	0.0155643	mg/L	10:40:29
2	Ni 231.604†	2444.2	1958.3	0.156760	mg/L	0.156760	mg/L	10:40:29
2	Pb 220.353†	552.2	566.4	0.289170	mg/L	0.289170	mg/L	10:40:29
2	Sb 217.584†	-1443.1	-1362.2	-0.285768	mg/L	-0.285768	mg/L	10:40:29
2	Se 196.026†	57.2	96.3	0.485917	mg/L	0.485917	mg/L	10:40:29
2	Si 251.611†	98721.6	96079.1	8.70247	mg/L	8.70247	mg/L	10:40:09
2	Sn 189.927†	-114.5	-127.5	-0.0292131	mg/L	-0.0292131	mg/L	10:40:29
2	Tl 190.801†	-96.9	-57.4	-0.0366718	mg/L	-0.0366718	mg/L	10:40:29
2	V 292.395†	13352.3	14408.0	0.278009	mg/L	0.278009	mg/L	10:40:09
2	Zn 206.200†	5250.1	5213.6	0.479375	mg/L	0.479375	mg/L	10:40:29

Mean Data: 1001254-05

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	233838.0	102.350	%	0.5268				0.51%
Y 360.076	162573.9	105.926	%	0.1385				0.13%
Ag 328.068†	-9612.3	-0.113037	mg/L	0.0013634	-0.113037	mg/L	0.0013634	1.21%
Al 396.153†	245818.3	78.3697	mg/L	0.11697	78.3697	mg/L	0.11697	0.15%
As 188.979†	77.9	0.101788	mg/L	0.0104384	0.101788	mg/L	0.0104384	10.26%
B 249.677†	-163.0	0.0114161	mg/L	0.00057665	0.0114161	mg/L	0.00057665	5.05%
Ba 455.398†	201643.3	0.693481	mg/L	0.0010239	0.693481	mg/L	0.0010239	0.15%
Be 234.861†	18324.3	0.0039717	mg/L	0.00068790	0.0039717	mg/L	0.00068790	17.32%
Ca 315.887†	176328.5	110.473	mg/L	0.3895	110.473	mg/L	0.3895	0.35%
Cd 214.437†	1104.3	-0.0114532	mg/L	0.00013640	-0.0114532	mg/L	0.00013640	1.19%
Ce 413.764†	9192.5	0.234800	mg/L	0.0004634	0.234800	mg/L	0.0004634	0.20%
Co 228.616†	615.8	0.0776230	mg/L	0.00000550	0.0776230	mg/L	0.00000550	0.01%
Cr 205.557†	1977.0	0.183241	mg/L	0.0017487	0.183241	mg/L	0.0017487	0.95%
Cu 327.397†	8385.2	0.258380	mg/L	0.0016617	0.258380	mg/L	0.0016617	0.64%
Fe 238.204†	630676.2	247.111	mg/L	0.0519	247.111	mg/L	0.0519	0.02%
K 766.490	3505.1	5.27504	mg/L	0.023978	5.27504	mg/L	0.023978	0.45%
Li 670.784†	2789.1	0.0865811	mg/L	0.00040830	0.0865811	mg/L	0.00040830	0.47%
Mg 279.071†	30202.9	62.1570	mg/L	0.08550	62.1570	mg/L	0.08550	0.14%
Mn 257.610†	669138.4	4.33730	mg/L	0.023493	4.33730	mg/L	0.023493	0.54%
Mo 202.031†	120.4	0.0157322	mg/L	0.00023754	0.0157322	mg/L	0.00023754	1.51%
Na 589.592†	12963.1	1.99712	mg/L	0.000934	1.99712	mg/L	0.000934	0.05%
Ni 231.604†	1943.4	0.155562	mg/L	0.0016947	0.155562	mg/L	0.0016947	1.09%
Pb 220.353†	574.5	0.293254	mg/L	0.0057749	0.293254	mg/L	0.0057749	1.97%
Sb 217.584†	-1357.6	-0.282190	mg/L	0.0050600	-0.282190	mg/L	0.0050600	1.79%
Se 196.026†	97.8	0.489158	mg/L	0.0045837	0.489158	mg/L	0.0045837	0.94%
Si 251.611†	95669.3	8.66548	mg/L	0.052304	8.66548	mg/L	0.052304	0.60%
Sn 189.927†	-128.0	-0.0295311	mg/L	0.00044979	-0.0295311	mg/L	0.00044979	1.52%
Sr 407.771†	103686.7	0.134019	mg/L	0.0003015	0.134019	mg/L	0.0003015	0.22%
Ti 334.940†	42593.8	2.76878	mg/L	0.006446	2.76878	mg/L	0.006446	0.23%
Tl 190.801†	-54.9	-0.0338243	mg/L	0.00402697	-0.0338243	mg/L	0.00402697	11.91%
V 292.395†	14398.7	0.277798	mg/L	0.0002976	0.277798	mg/L	0.0002976	0.11%
Zn 206.200†	5193.2	0.477426	mg/L	0.0027557	0.477426	mg/L	0.0027557	0.58%

Sequence No.: 20
Sample ID: 1001254-06
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 1/27/2010 10:43:22 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001254-06

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	161354.7	161354.7	105.132	%			10:44:28
1	Al 396.153†	171975.2	163385.6	52.0710	mg/L	52.0710	mg/L	10:44:28
1	Ba 455.398†	157713.2	150018.2	0.516212	mg/L	0.516212	mg/L	10:44:28
1	Ca 315.887†	15659.7	14764.3	9.24241	mg/L	9.24241	mg/L	10:44:33
1	Fe 238.204†	241436.8	229619.7	89.9682	mg/L	89.9682	mg/L	10:44:28
1	K 766.490	1832.3	1852.1	2.76889	mg/L	2.76889	mg/L	10:44:33
1	Li 670.784†	1381.5	1335.1	0.0421781	mg/L	0.0421781	mg/L	10:44:33
1	Mg 279.071†	5614.1	5325.8	10.9633	mg/L	10.9633	mg/L	10:44:33
1	Na 589.592†	3103.0	2175.9	0.336866	mg/L	0.336866	mg/L	10:44:33
1	Sr 407.771†	79476.8	74943.0	0.0971032	mg/L	0.0971032	mg/L	10:44:28
1	Ti 334.940†	22227.5	21148.5	1.37589	mg/L	1.37589	mg/L	10:44:33
1	Sc 357.234	235999.0	235999.0	103.296	%			10:44:49
1	Ag 328.068†	-3471.0	-3334.1	-0.0376931	mg/L	-0.0376931	mg/L	10:44:54
1	As 188.979†	21.2	40.6	0.0535497	mg/L	0.0535497	mg/L	10:45:14
1	B 249.677†	346.9	-61.8	0.0001772	mg/L	0.0001772	mg/L	10:44:54
1	Be 234.861†	6230.5	6826.4	0.0020210	mg/L	0.0020210	mg/L	10:44:49
1	Cd 214.437†	676.1	455.1	-0.0043606	mg/L	-0.0043606	mg/L	10:45:14
1	Ce 413.764†	5444.9	4948.2	0.126424	mg/L	0.126424	mg/L	10:44:54
1	Co 228.616†	184.5	252.1	0.0313165	mg/L	0.0313165	mg/L	10:45:14
1	Cr 205.557†	934.2	927.6	0.0842776	mg/L	0.0842776	mg/L	10:45:14
1	Cu 327.397†	2487.1	2152.9	0.0643450	mg/L	0.0643450	mg/L	10:44:54
1	Mn 257.610†	881969.5	853649.1	5.52486	mg/L	5.52486	mg/L	10:44:49
1	Mo 202.031†	95.6	11.3	0.0023186	mg/L	0.0023186	mg/L	10:45:14
1	Ni 231.604†	1445.1	960.5	0.0764490	mg/L	0.0764490	mg/L	10:45:14

1	Pb 220.353†	198.5	217.0	0.112742 mg/L	0.112742 mg/L	10:45:14
1	Sb 217.584†	-545.4	-475.0	-0.0863806 mg/L	-0.0863806 mg/L	10:45:14
1	Se 196.026†	-14.0	26.6	0.155240 mg/L	0.155240 mg/L	10:45:14
1	Si 251.611†	83056.4	79678.2	7.21342 mg/L	7.21342 mg/L	10:44:54
1	Sn 189.927†	-2.9	-18.0	-0.0028585 mg/L	-0.0028585 mg/L	10:45:14
1	Tl 190.801†	-52.7	-13.4	0.0006467 mg/L	0.0006467 mg/L	10:45:14
1	V 292.395†	4532.7	5702.7	0.111665 mg/L	0.111665 mg/L	10:44:54
1	Zn 206.200†	2596.1	2578.6	0.238778 mg/L	0.238778 mg/L	10:45:14
2	Y 360.076	162442.0	162442.0	105.840 %		10:44:38
2	Al 396.153†	172422.6	162713.5	51.8567 mg/L	51.8567 mg/L	10:44:38
2	Ba 455.398†	158124.7	149402.9	0.514099 mg/L	0.514099 mg/L	10:44:38
2	Ca 315.887†	15591.7	14600.4	9.13968 mg/L	9.13968 mg/L	10:44:43
2	Fe 238.204†	242723.5	229298.3	89.8422 mg/L	89.8422 mg/L	10:44:38
2	K 766.490	1770.0	1789.8	2.67451 mg/L	2.67451 mg/L	10:44:43
2	Li 670.784†	1346.1	1292.9	0.0408882 mg/L	0.0408882 mg/L	10:44:43
2	Mg 279.071†	5552.0	5231.4	10.7690 mg/L	10.7690 mg/L	10:44:43
2	Na 589.592†	3063.1	2118.4	0.328017 mg/L	0.328017 mg/L	10:44:43
2	Sr 407.771†	79745.4	74690.8	0.0967792 mg/L	0.0967792 mg/L	10:44:38
2	Ti 334.940†	22033.7	20823.9	1.35480 mg/L	1.35480 mg/L	10:44:43
2	Sc 357.234	235104.1	235104.1	102.904 %		10:45:20
2	Ag 328.068†	-3446.3	-3322.9	-0.0375305 mg/L	-0.0375305 mg/L	10:45:25
2	As 188.979†	18.6	38.1	0.0497854 mg/L	0.0497854 mg/L	10:45:45
2	B 249.677†	338.4	-68.9	-0.0001982 mg/L	-0.0001982 mg/L	10:45:25
2	Be 234.861†	6272.3	6890.0	0.0023688 mg/L	0.0023688 mg/L	10:45:20
2	Cd 214.437†	657.9	439.9	-0.0048745 mg/L	-0.0048745 mg/L	10:45:45
2	Ce 413.764†	5468.6	4991.3	0.127537 mg/L	0.127537 mg/L	10:45:25
2	Co 228.616†	173.3	242.0	0.0298310 mg/L	0.0298310 mg/L	10:45:45
2	Cr 205.557†	921.2	918.4	0.0834846 mg/L	0.0834846 mg/L	10:45:45
2	Cu 327.397†	2518.7	2192.7	0.0655676 mg/L	0.0655676 mg/L	10:45:25
2	Mn 257.610†	887460.3	862234.8	5.58039 mg/L	5.58039 mg/L	10:45:20
2	Mo 202.031†	91.9	8.1	0.0019195 mg/L	0.0019195 mg/L	10:45:45
2	Ni 231.604†	1456.0	976.4	0.0777340 mg/L	0.0777340 mg/L	10:45:45
2	Pb 220.353†	191.2	210.7	0.109515 mg/L	0.109515 mg/L	10:45:45
2	Sb 217.584†	-548.9	-480.5	-0.0908537 mg/L	-0.0908537 mg/L	10:45:45
2	Se 196.026†	-6.5	33.9	0.170380 mg/L	0.170380 mg/L	10:45:45
2	Si 251.611†	83423.4	80340.8	7.27395 mg/L	7.27395 mg/L	10:45:25
2	Sn 189.927†	-3.1	-18.2	-0.0029789 mg/L	-0.0029789 mg/L	10:45:45
2	Tl 190.801†	-60.9	-21.6	-0.0090871 mg/L	-0.0090871 mg/L	10:45:45
2	V 292.395†	4547.7	5734.0	0.112401 mg/L	0.112401 mg/L	10:45:25
2	Zn 206.200†	2596.5	2588.6	0.239745 mg/L	0.239745 mg/L	10:45:45

Mean Data: 1001254-06

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	235551.5	103.100	%	0.2770				0.27%
Y 360.076	161898.4	105.486	%	0.5009				0.47%
Ag 328.068†	-3328.5	-0.0376118	mg/L	0.00011502	-0.0376118	mg/L	0.00011502	0.31%
Al 396.153†	163049.6	51.9639	mg/L	0.15150	51.9639	mg/L	0.15150	0.29%
As 188.979†	39.4	0.0516675	mg/L	0.00266172	0.0516675	mg/L	0.00266172	5.15%
B 249.677†	-65.3	-0.0000105	mg/L	0.00026548	-0.0000105	mg/L	0.00026548	>999.9%
Ba 455.398†	149710.6	0.515156	mg/L	0.0014940	0.515156	mg/L	0.0014940	0.29%
Be 234.861†	6858.2	0.0021949	mg/L	0.00024596	0.0021949	mg/L	0.00024596	11.21%
Ca 315.887†	14682.3	9.19104	mg/L	0.072638	9.19104	mg/L	0.072638	0.79%
Cd 214.437†	447.5	-0.0046176	mg/L	0.00036339	-0.0046176	mg/L	0.00036339	7.87%
Ce 413.764†	4969.7	0.126980	mg/L	0.0007871	0.126980	mg/L	0.0007871	0.62%
Co 228.616†	247.1	0.0305737	mg/L	0.00105043	0.0305737	mg/L	0.00105043	3.44%
Cr 205.557†	923.0	0.0838811	mg/L	0.00056075	0.0838811	mg/L	0.00056075	0.67%
Cu 327.397†	2172.8	0.0649563	mg/L	0.00086453	0.0649563	mg/L	0.00086453	1.33%
Fe 238.204†	229459.0	89.9052	mg/L	0.08906	89.9052	mg/L	0.08906	0.10%
K 766.490	1820.9	2.72170	mg/L	0.066743	2.72170	mg/L	0.066743	2.45%
Li 670.784†	1314.0	0.0415331	mg/L	0.00091210	0.0415331	mg/L	0.00091210	2.20%
Mg 279.071†	5278.6	10.8661	mg/L	0.13741	10.8661	mg/L	0.13741	1.26%
Mn 257.610†	857941.9	5.55262	mg/L	0.039266	5.55262	mg/L	0.039266	0.71%
Mo 202.031†	9.7	0.0021190	mg/L	0.00028216	0.0021190	mg/L	0.00028216	13.32%
Na 589.592†	2147.1	0.332441	mg/L	0.0062571	0.332441	mg/L	0.0062571	1.88%
Ni 231.604†	968.4	0.0770915	mg/L	0.00090861	0.0770915	mg/L	0.00090861	1.18%
Pb 220.353†	213.9	0.111129	mg/L	0.0022812	0.111129	mg/L	0.0022812	2.05%
Sb 217.584†	-477.7	-0.0886171	mg/L	0.00316296	-0.0886171	mg/L	0.00316296	3.57%
Se 196.026†	30.3	0.162810	mg/L	0.0107059	0.162810	mg/L	0.0107059	6.58%
Si 251.611†	80009.5	7.24368	mg/L	0.042803	7.24368	mg/L	0.042803	0.59%

Sn 189.927†	-18.1	-0.0029187	mg/L	0.00008514	-0.0029187	mg/L	0.00008514	2.92%
Sr 407.771†	74816.9	0.0969412	mg/L	0.00022909	0.0969412	mg/L	0.00022909	0.24%
Ti 334.940†	20986.2	1.36535	mg/L	0.014907	1.36535	mg/L	0.014907	1.09%
Tl 190.801†	-17.5	-0.0042202	mg/L	0.00688282	-0.0042202	mg/L	0.00688282	163.09%
V 292.395†	5718.4	0.112033	mg/L	0.0005204	0.112033	mg/L	0.0005204	0.46%
Zn 206.200†	2583.6	0.239262	mg/L	0.0006841	0.239262	mg/L	0.0006841	0.29%

Sequence No.: 21
Sample ID: 1001254-07
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 1/27/2010 10:48:41 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001254-07

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	166356.2	166356.2	108.390	%			10:49:47
1	Al 396.153†	377520.8	348102.2	110.953	mg/L	110.953	mg/L	10:49:47
1	Ba 455.398†	219888.1	202870.1	0.697694	mg/L	0.697694	mg/L	10:49:47
1	Ca 315.887†	20469.3	18753.8	11.7421	mg/L	11.7421	mg/L	10:50:07
1	Fe 238.204†	19296.6	17770.7	6.96290	mg/L	6.96290	mg/L	10:50:07
1	K 766.490	952.2	972.0	1.43468	mg/L	1.43468	mg/L	10:50:07
1	Li 670.784†	3068.1	2851.6	0.0884922	mg/L	0.0884922	mg/L	10:50:07
1	Mg 279.071†	2490.5	2283.5	4.70262	mg/L	4.70262	mg/L	10:50:07
1	Na 589.592†	5139.4	3965.9	0.612365	mg/L	0.612365	mg/L	10:50:07
1	Sr 407.771†	146933.1	134904.8	0.174112	mg/L	0.174112	mg/L	10:49:47
1	Ti 334.940†	15795.0	14578.3	0.949140	mg/L	0.949140	mg/L	10:50:07
1	Sc 357.234	248930.9	248930.9	108.956	%			10:50:39
1	Ag 328.068†	-251.3	-204.5	-0.0000962	mg/L	-0.0000962	mg/L	10:50:39
1	As 188.979†	0.8	20.7	0.0255124	mg/L	0.0255124	mg/L	10:50:59
1	B 249.677†	830.5	364.6	0.0142743	mg/L	0.0142743	mg/L	10:50:59
1	Be 234.861†	962.4	1678.0	0.0049058	mg/L	0.0049058	mg/L	10:50:39
1	Cd 214.437†	499.2	258.8	-0.0005307	mg/L	-0.0005307	mg/L	10:50:59
1	Ce 413.764†	3567.7	2951.4	0.0753753	mg/L	0.0753753	mg/L	10:50:39
1	Co 228.616†	29.2	100.3	0.0122749	mg/L	0.0122749	mg/L	10:50:59
1	Cr 205.557†	1500.4	1400.3	0.119439	mg/L	0.119439	mg/L	10:50:59
1	Cu 327.397†	12241.8	10980.7	0.337683	mg/L	0.337683	mg/L	10:50:39
1	Mn 257.610†	12540.9	11328.6	0.0733585	mg/L	0.0733585	mg/L	10:50:39
1	Mo 202.031†	200.8	103.1	0.0136008	mg/L	0.0136008	mg/L	10:50:59
1	Ni 231.604†	1057.0	531.6	0.0419584	mg/L	0.0419584	mg/L	10:50:59
1	Pb 220.353†	72.2	91.1	0.0483245	mg/L	0.0483245	mg/L	10:50:59
1	Sb 217.584†	-106.7	-45.0	-0.0099784	mg/L	-0.0099784	mg/L	10:50:59
1	Se 196.026†	-26.9	15.5	0.0341197	mg/L	0.0341197	mg/L	10:50:59
1	Si 251.611†	107015.0	97490.3	8.81655	mg/L	8.81655	mg/L	10:50:39
1	Sn 189.927†	26.5	9.2	0.0097252	mg/L	0.0097252	mg/L	10:50:59
1	Tl 190.801†	-49.4	-7.7	0.0030286	mg/L	0.0030286	mg/L	10:50:59
1	V 292.395†	6273.5	7072.5	0.158055	mg/L	0.158055	mg/L	10:50:39
1	Zn 206.200†	7883.6	7301.0	0.693007	mg/L	0.693007	mg/L	10:50:39
2	Y 360.076	165645.0	165645.0	107.927	%			10:50:12
2	Al 396.153†	373202.7	345596.9	110.154	mg/L	110.154	mg/L	10:50:12
2	Ba 455.398†	217494.5	201523.4	0.693069	mg/L	0.693069	mg/L	10:50:12
2	Ca 315.887†	20346.8	18721.3	11.7217	mg/L	11.7217	mg/L	10:50:33
2	Fe 238.204†	19202.1	17759.5	6.95853	mg/L	6.95853	mg/L	10:50:33
2	K 766.490	942.1	961.9	1.41930	mg/L	1.41930	mg/L	10:50:33
2	Li 670.784†	3060.2	2856.5	0.0886416	mg/L	0.0886416	mg/L	10:50:33
2	Mg 279.071†	2484.0	2287.3	4.71049	mg/L	4.71049	mg/L	10:50:33
2	Na 589.592†	5144.9	3991.4	0.616281	mg/L	0.616281	mg/L	10:50:33
2	Sr 407.771†	145332.8	134004.1	0.172956	mg/L	0.172956	mg/L	10:50:12
2	Ti 334.940†	15735.7	14585.9	0.949636	mg/L	0.949636	mg/L	10:50:33
2	Sc 357.234	250256.7	250256.7	109.536	%			10:51:04
2	Ag 328.068†	-274.2	-224.2	-0.0004121	mg/L	-0.0004121	mg/L	10:51:04
2	As 188.979†	-4.5	15.9	0.0179578	mg/L	0.0179578	mg/L	10:51:24
2	B 249.677†	833.4	363.1	0.0141886	mg/L	0.0141886	mg/L	10:51:24
2	Be 234.861†	985.6	1694.5	0.0049918	mg/L	0.0049918	mg/L	10:51:04
2	Cd 214.437†	497.0	254.3	-0.0006309	mg/L	-0.0006309	mg/L	10:51:24
2	Ce 413.764†	3506.4	2878.1	0.0734948	mg/L	0.0734948	mg/L	10:51:04
2	Co 228.616†	40.5	110.6	0.0138168	mg/L	0.0138168	mg/L	10:51:24
2	Cr 205.557†	1484.9	1378.8	0.117612	mg/L	0.117612	mg/L	10:51:24
2	Cu 327.397†	12283.9	10959.6	0.337029	mg/L	0.337029	mg/L	10:51:04

2	Mn 257.610†	12554.9	11280.4	0.0730466 mg/L	0.0730466 mg/L	10:51:04
2	Mo 202.031†	194.2	96.0	0.0127312 mg/L	0.0127312 mg/L	10:51:24
2	Ni 231.604†	1040.4	511.3	0.0403233 mg/L	0.0403233 mg/L	10:51:24
2	Pb 220.353†	71.6	90.3	0.0479122 mg/L	0.0479122 mg/L	10:51:24
2	Sb 217.584†	-110.7	-48.2	-0.0123921 mg/L	-0.0123921 mg/L	10:51:24
2	Se 196.026†	-21.4	20.7	0.0449201 mg/L	0.0449201 mg/L	10:51:24
2	Si 251.611†	107324.4	97252.4	8.79499 mg/L	8.79499 mg/L	10:51:04
2	Sn 189.927†	23.1	5.9	0.0082652 mg/L	0.0082652 mg/L	10:51:24
2	Tl 190.801†	-50.0	-8.0	0.0026008 mg/L	0.0026008 mg/L	10:51:24
2	V 292.395†	6251.0	7021.4	0.156899 mg/L	0.156899 mg/L	10:51:04
2	Zn 206.200†	7912.2	7288.7	0.691853 mg/L	0.691853 mg/L	10:51:04

Mean Data: 1001254-07

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	249593.8	109.246	%	0.4103				0.38%
Y 360.076	166000.6	108.159	%	0.3277				0.30%
Ag 328.068†	-214.3	-0.0002541	mg/L	0.00022339	-0.0002541	mg/L	0.00022339	87.90%
Al 396.153†	346849.5	110.553	mg/L	0.5647	110.553	mg/L	0.5647	0.51%
As 188.979†	18.3	0.0217351	mg/L	0.00534191	0.0217351	mg/L	0.00534191	24.58%
B 249.677†	363.8	0.0142314	mg/L	0.00006054	0.0142314	mg/L	0.00006054	0.43%
Ba 455.398†	202196.8	0.695382	mg/L	0.0032698	0.695382	mg/L	0.0032698	0.47%
Be 234.861†	1686.3	0.0049488	mg/L	0.00006077	0.0049488	mg/L	0.00006077	1.23%
Ca 315.887†	18737.5	11.7319	mg/L	0.01438	11.7319	mg/L	0.01438	0.12%
Cd 214.437†	256.5	-0.0005808	mg/L	0.00007082	-0.0005808	mg/L	0.00007082	12.19%
Ce 413.764†	2914.8	0.0744351	mg/L	0.00132975	0.0744351	mg/L	0.00132975	1.79%
Co 228.616†	105.5	0.0130458	mg/L	0.00109029	0.0130458	mg/L	0.00109029	8.36%
Cr 205.557†	1389.6	0.118525	mg/L	0.0012917	0.118525	mg/L	0.0012917	1.09%
Cu 327.397†	10970.1	0.337356	mg/L	0.0004625	0.337356	mg/L	0.0004625	0.14%
Fe 238.204†	17765.1	6.96072	mg/L	0.003090	6.96072	mg/L	0.003090	0.04%
K 766.490	967.0	1.42699	mg/L	0.010876	1.42699	mg/L	0.010876	0.76%
Li 670.784†	2854.1	0.0885669	mg/L	0.00010564	0.0885669	mg/L	0.00010564	0.12%
Mg 279.071†	2285.4	4.70656	mg/L	0.005564	4.70656	mg/L	0.005564	0.12%
Mn 257.610†	11304.5	0.0732026	mg/L	0.00022055	0.0732026	mg/L	0.00022055	0.30%
Mo 202.031†	99.6	0.0131660	mg/L	0.00061486	0.0131660	mg/L	0.00061486	4.67%
Na 589.592†	3978.6	0.614323	mg/L	0.0027686	0.614323	mg/L	0.0027686	0.45%
Ni 231.604†	521.4	0.0411409	mg/L	0.00115622	0.0411409	mg/L	0.00115622	2.81%
Pb 220.353†	90.7	0.0481184	mg/L	0.00029153	0.0481184	mg/L	0.00029153	0.61%
Sb 217.584†	-46.6	-0.0111852	mg/L	0.00170671	-0.0111852	mg/L	0.00170671	15.26%
Se 196.026†	18.1	0.0395199	mg/L	0.00763704	0.0395199	mg/L	0.00763704	19.32%
Si 251.611†	97371.3	8.80577	mg/L	0.015245	8.80577	mg/L	0.015245	0.17%
Sn 189.927†	7.5	0.0089952	mg/L	0.00103237	0.0089952	mg/L	0.00103237	11.48%
Sr 407.771†	134454.5	0.173534	mg/L	0.0008179	0.173534	mg/L	0.0008179	0.47%
Ti 334.940†	14582.1	0.949388	mg/L	0.0003505	0.949388	mg/L	0.0003505	0.04%
Tl 190.801†	-7.9	0.0028147	mg/L	0.00030246	0.0028147	mg/L	0.00030246	10.75%
V 292.395†	7047.0	0.157477	mg/L	0.0008173	0.157477	mg/L	0.0008173	0.52%
Zn 206.200†	7294.8	0.692430	mg/L	0.0008163	0.692430	mg/L	0.0008163	0.12%

==========

Sequence No.: 22
Sample ID: 1001254-08
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 1/27/2010 10:52:37 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001254-08

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	162414.8	162414.8	105.822	%			10:53:44
1	Al 396.153†	370177.2	349615.2	111.435	mg/L	111.435	mg/L	10:53:44
1	Ba 455.398†	239882.4	226687.5	0.779477	mg/L	0.779477	mg/L	10:53:44
1	Ca 315.887†	20470.4	19213.1	12.0299	mg/L	12.0299	mg/L	10:54:04
1	Fe 238.204†	22138.7	20888.4	8.18451	mg/L	8.18451	mg/L	10:54:04
1	K 766.490	822.2	842.0	1.23753	mg/L	1.23753	mg/L	10:54:04
1	Li 670.784†	2561.4	2441.5	0.0759671	mg/L	0.0759671	mg/L	10:54:04
1	Mg 279.071†	2368.1	2223.6	4.57932	mg/L	4.57932	mg/L	10:54:04
1	Na 589.592†	4877.2	3833.2	0.591939	mg/L	0.591939	mg/L	10:54:04
1	Sr 407.771†	151692.3	142691.9	0.184113	mg/L	0.184113	mg/L	10:53:44
1	Ti 334.940†	11375.3	10755.3	0.700839	mg/L	0.700839	mg/L	10:54:04

1	Sc 357.234	244072.3	244072.3	106.829 %		10:54:36
1	Ag 328.068†	-362.8	-313.5	-0.0016641 mg/L	-0.0016641 mg/L	10:54:36
1	As 188.979†	-2.1	18.1	0.0230692 mg/L	0.0230692 mg/L	10:54:56
1	B 249.677†	725.2	281.1	0.0100770 mg/L	0.0100770 mg/L	10:54:56
1	Be 234.861†	857.6	1597.5	0.0041067 mg/L	0.0041067 mg/L	10:54:36
1	Cd 214.437†	513.9	281.6	-0.0000339 mg/L	-0.0000339 mg/L	10:54:56
1	Ce 413.764†	3184.1	2657.6	0.0679307 mg/L	0.0679307 mg/L	10:54:36
1	Co 228.616†	52.2	122.4	0.0161270 mg/L	0.0161270 mg/L	10:54:56
1	Cr 205.557†	1583.4	1505.4	0.128461 mg/L	0.128461 mg/L	10:54:56
1	Cu 327.397†	14033.2	12881.2	0.396431 mg/L	0.396431 mg/L	10:54:36
1	Mn 257.610†	10956.3	10074.4	0.0652918 mg/L	0.0652918 mg/L	10:54:36
1	Mo 202.031†	279.5	180.4	0.0231021 mg/L	0.0231021 mg/L	10:54:56
1	Ni 231.604†	1023.7	519.7	0.0410153 mg/L	0.0410153 mg/L	10:54:56
1	Pb 220.353†	88.7	107.9	0.0564699 mg/L	0.0564699 mg/L	10:54:56
1	Sb 217.584†	-106.4	-46.6	-0.0074776 mg/L	-0.0074776 mg/L	10:54:56
1	Se 196.026†	-15.5	25.7	0.0569538 mg/L	0.0569538 mg/L	10:54:56
1	Si 251.611†	115521.0	107407.7	9.72157 mg/L	9.72157 mg/L	10:54:36
1	Sn 189.927†	33.0	15.7	0.0126827 mg/L	0.0126827 mg/L	10:54:56
1	Tl 190.801†	-53.0	-12.0	-0.0044098 mg/L	-0.0044098 mg/L	10:54:56
1	V 292.395†	6030.9	6960.0	0.155557 mg/L	0.155557 mg/L	10:54:36
1	Zn 206.200†	10618.6	10005.1	0.951083 mg/L	0.951083 mg/L	10:54:36
2	Y 360.076	160649.1	160649.1	104.672 %		10:54:09
2	Al 396.153†	367769.5	351159.5	111.927 mg/L	111.927 mg/L	10:54:09
2	Ba 455.398†	238136.4	227510.8	0.782304 mg/L	0.782304 mg/L	10:54:09
2	Ca 315.887†	20504.2	19458.0	12.1833 mg/L	12.1833 mg/L	10:54:29
2	Fe 238.204†	22204.8	21181.5	8.29934 mg/L	8.29934 mg/L	10:54:29
2	K 766.490	799.9	819.7	1.20370 mg/L	1.20370 mg/L	10:54:29
2	Li 670.784†	2571.6	2477.9	0.0770788 mg/L	0.0770788 mg/L	10:54:29
2	Mg 279.071†	2369.1	2249.2	4.63200 mg/L	4.63200 mg/L	10:54:29
2	Na 589.592†	4874.1	3880.9	0.599282 mg/L	0.599282 mg/L	10:54:29
2	Sr 407.771†	150594.4	143218.5	0.184790 mg/L	0.184790 mg/L	10:54:09
2	Ti 334.940†	11428.8	10924.7	0.711838 mg/L	0.711838 mg/L	10:54:29
2	Sc 357.234	245544.7	245544.7	107.474 %		10:55:01
2	Ag 328.068†	-287.0	-240.9	-0.0005179 mg/L	-0.0005179 mg/L	10:55:01
2	As 188.979†	-4.1	16.3	0.0201086 mg/L	0.0201086 mg/L	10:55:21
2	B 249.677†	735.3	286.5	0.0103806 mg/L	0.0103806 mg/L	10:55:21
2	Be 234.861†	920.6	1651.3	0.0043220 mg/L	0.0043220 mg/L	10:55:01
2	Cd 214.437†	523.7	287.9	0.0001365 mg/L	0.0001365 mg/L	10:55:21
2	Ce 413.764†	3216.2	2669.6	0.0682339 mg/L	0.0682339 mg/L	10:55:01
2	Co 228.616†	34.8	105.9	0.0136025 mg/L	0.0136025 mg/L	10:55:21
2	Cr 205.557†	1601.5	1513.3	0.129143 mg/L	0.129143 mg/L	10:55:21
2	Cu 327.397†	14173.5	12933.0	0.398044 mg/L	0.398044 mg/L	10:55:01
2	Mn 257.610†	10989.7	10044.0	0.0650995 mg/L	0.0650995 mg/L	10:55:01
2	Mo 202.031†	278.2	177.6	0.0227617 mg/L	0.0227617 mg/L	10:55:21
2	Ni 231.604†	1035.8	525.2	0.0414601 mg/L	0.0414601 mg/L	10:55:21
2	Pb 220.353†	82.9	102.0	0.0535094 mg/L	0.0535094 mg/L	10:55:21
2	Sb 217.584†	-109.2	-48.7	-0.0086463 mg/L	-0.0086463 mg/L	10:55:21
2	Se 196.026†	-19.8	21.8	0.0489126 mg/L	0.0489126 mg/L	10:55:21
2	Si 251.611†	116298.2	107482.4	9.72808 mg/L	9.72808 mg/L	10:55:01
2	Sn 189.927†	33.0	15.5	0.0126424 mg/L	0.0126424 mg/L	10:55:21
2	Tl 190.801†	-45.1	-4.4	0.0045862 mg/L	0.0045862 mg/L	10:55:21
2	V 292.395†	6058.0	6951.3	0.155331 mg/L	0.155331 mg/L	10:55:01
2	Zn 206.200†	10675.8	9998.8	0.950458 mg/L	0.950458 mg/L	10:55:01

Mean Data: 1001254-08

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	244808.5	107.151	%	0.4557				0.43%
Y 360.076	161531.9	105.247	%	0.8135				0.77%
Ag 328.068†	-277.2	-0.0010910	mg/L	0.00081053	-0.0010910	mg/L	0.00081053	74.29%
Al 396.153†	350387.3	111.681	mg/L	0.3481	111.681	mg/L	0.3481	0.31%
As 188.979†	17.2	0.0215889	mg/L	0.00209341	0.0215889	mg/L	0.00209341	9.70%
B 249.677†	283.8	0.0102288	mg/L	0.00021468	0.0102288	mg/L	0.00021468	2.10%
Ba 455.398†	227099.1	0.780891	mg/L	0.0019989	0.780891	mg/L	0.0019989	0.26%
Be 234.861†	1624.4	0.0042144	mg/L	0.00015223	0.0042144	mg/L	0.00015223	3.61%
Ca 315.887†	19335.5	12.1066	mg/L	0.10848	12.1066	mg/L	0.10848	0.90%
Cd 214.437†	284.7	0.0000513	mg/L	0.00012053	0.0000513	mg/L	0.00012053	234.96%
Ce 413.764†	2663.6	0.0680823	mg/L	0.00021440	0.0680823	mg/L	0.00021440	0.31%
Co 228.616†	114.2	0.0148648	mg/L	0.00178510	0.0148648	mg/L	0.00178510	12.01%
Cr 205.557†	1509.3	0.128802	mg/L	0.0004827	0.128802	mg/L	0.0004827	0.37%

Cu 327.397†	12907.1	0.397238 mg/L	0.0011401	0.397238 mg/L	0.0011401	0.29%
Fe 238.204†	21034.9	8.24192 mg/L	0.081199	8.24192 mg/L	0.081199	0.99%
K 766.490	830.8	1.22062 mg/L	0.023923	1.22062 mg/L	0.023923	1.96%
Li 670.784†	2459.7	0.0765230 mg/L	0.00078611	0.0765230 mg/L	0.00078611	1.03%
Mg 279.071†	2236.4	4.60566 mg/L	0.037252	4.60566 mg/L	0.037252	0.81%
Mn 257.610†	10059.2	0.0651957 mg/L	0.00013601	0.0651957 mg/L	0.00013601	0.21%
Mo 202.031†	179.0	0.0229319 mg/L	0.00024069	0.0229319 mg/L	0.00024069	1.05%
Na 589.592†	3857.0	0.595610 mg/L	0.0051920	0.595610 mg/L	0.0051920	0.87%
Ni 231.604†	522.4	0.0412377 mg/L	0.00031450	0.0412377 mg/L	0.00031450	0.76%
Pb 220.353†	105.0	0.0549897 mg/L	0.00209343	0.0549897 mg/L	0.00209343	3.81%
Sb 217.584†	-47.7	-0.0080619 mg/L	0.00082643	-0.0080619 mg/L	0.00082643	10.25%
Se 196.026†	23.8	0.0529332 mg/L	0.00568603	0.0529332 mg/L	0.00568603	10.74%
Si 251.611†	107445.1	9.72483 mg/L	0.004605	9.72483 mg/L	0.004605	0.05%
Sn 189.927†	15.6	0.0126625 mg/L	0.00002852	0.0126625 mg/L	0.00002852	0.23%
Sr 407.771†	142955.2	0.184452 mg/L	0.0004782	0.184452 mg/L	0.0004782	0.26%
Ti 334.940†	10840.0	0.706338 mg/L	0.0077777	0.706338 mg/L	0.0077777	1.10%
Tl 190.801†	-8.2	0.0000882 mg/L	0.00636116	0.0000882 mg/L	0.00636116	>999.9%
V 292.395†	6955.7	0.155444 mg/L	0.0001598	0.155444 mg/L	0.0001598	0.10%
Zn 206.200†	10002.0	0.950771 mg/L	0.0004416	0.950771 mg/L	0.0004416	0.05%

Sequence No.: 23
Sample ID: 1001254-09
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 1/27/2010 10:56:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001254-09

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	159080.3	159080.3	103.650	%			10:57:44
1	Al 396.153†	120626.5	116183.8	37.0241	mg/L	37.0241	mg/L	10:57:44
1	Ba 455.398†	288446.4	278292.9	0.956679	mg/L	0.956679	mg/L	10:57:44
1	Ca 315.887†	13909.0	13288.2	8.31755	mg/L	8.31755	mg/L	10:57:49
1	Fe 238.204†	106050.8	102284.3	40.0774	mg/L	40.0774	mg/L	10:57:44
1	K 766.490	1463.4	1483.2	2.20965	mg/L	2.20965	mg/L	10:57:49
1	Li 670.784†	1710.5	1671.3	0.0524458	mg/L	0.0524458	mg/L	10:57:49
1	Mg 279.071†	3613.2	3471.7	7.14791	mg/L	7.14791	mg/L	10:57:49
1	Na 589.592†	2927.1	2048.3	0.317235	mg/L	0.317235	mg/L	10:57:49
1	Sr 407.771†	48236.8	45883.9	0.0597823	mg/L	0.0597823	mg/L	10:57:49
1	Ti 334.940†	28006.9	27026.6	1.75768	mg/L	1.75768	mg/L	10:57:49
1	Sc 357.234	238259.2	238259.2	104.285	%			10:58:05
1	Ag 328.068†	-1576.4	-1485.4	-0.0155190	mg/L	-0.0155190	mg/L	10:58:05
1	As 188.979†	4.7	24.5	0.0258619	mg/L	0.0258619	mg/L	10:58:25
1	B 249.677†	389.3	-24.3	-0.0036280	mg/L	-0.0036280	mg/L	10:58:05
1	Be 234.861†	2404.8	3100.7	0.0010892	mg/L	0.0010892	mg/L	10:58:05
1	Cd 214.437†	443.1	225.5	-0.0022500	mg/L	-0.0022500	mg/L	10:58:25
1	Ce 413.764†	5177.9	4642.1	0.118431	mg/L	0.118431	mg/L	10:58:05
1	Co 228.616†	41.1	112.9	0.0111953	mg/L	0.0111953	mg/L	10:58:25
1	Cr 205.557†	994.8	977.1	0.0854490	mg/L	0.0854490	mg/L	10:58:25
1	Cu 327.397†	2897.5	2523.6	0.0760699	mg/L	0.0760699	mg/L	10:58:05
1	Mn 257.610†	48558.5	46381.8	0.301339	mg/L	0.301339	mg/L	10:58:05
1	Mo 202.031†	145.4	58.2	0.0080828	mg/L	0.0080828	mg/L	10:58:25
1	Ni 231.604†	928.7	451.9	0.0355262	mg/L	0.0355262	mg/L	10:58:25
1	Pb 220.353†	188.5	205.7	0.107251	mg/L	0.107251	mg/L	10:58:25
1	Sb 217.584†	-271.6	-207.5	-0.0338619	mg/L	-0.0338619	mg/L	10:58:25
1	Se 196.026†	-27.4	14.0	0.0701057	mg/L	0.0701057	mg/L	10:58:25
1	Si 251.611†	71199.6	67545.7	6.09182	mg/L	6.09182	mg/L	10:58:05
1	Sn 189.927†	-6.6	-21.5	-0.0045921	mg/L	-0.0045921	mg/L	10:58:25
1	Tl 190.801†	-64.3	-24.0	-0.0080472	mg/L	-0.0080472	mg/L	10:58:25
1	V 292.395†	4831.8	5947.9	0.126129	mg/L	0.126129	mg/L	10:58:05
1	Zn 206.200†	1487.3	1491.5	0.138303	mg/L	0.138303	mg/L	10:58:25
2	Y 360.076	159920.5	159920.5	104.197	%			10:57:54
2	Al 396.153†	121050.8	115979.5	36.9590	mg/L	36.9590	mg/L	10:57:54
2	Ba 455.398†	289311.5	277661.0	0.954509	mg/L	0.954509	mg/L	10:57:54
2	Ca 315.887†	13848.9	13160.0	8.23718	mg/L	8.23718	mg/L	10:57:59
2	Fe 238.204†	106609.3	102282.7	40.0768	mg/L	40.0768	mg/L	10:57:54
2	K 766.490	1485.4	1505.2	2.24297	mg/L	2.24297	mg/L	10:57:59
2	Li 670.784†	1701.2	1653.7	0.0519075	mg/L	0.0519075	mg/L	10:57:59
2	Mg 279.071†	3562.9	3405.2	7.01087	mg/L	7.01087	mg/L	10:57:59

2	Na 589.592†	2951.9	2057.3	0.318621 mg/L	0.318621 mg/L	10:57:59
2	Sr 407.771†	47940.1	45354.6	0.0591027 mg/L	0.0591027 mg/L	10:57:59
2	Ti 334.940†	27944.8	26825.2	1.74459 mg/L	1.74459 mg/L	10:57:59
2	Sc 357.234	236113.0	236113.0	103.346 %		10:58:31
2	Ag 328.068†	-1521.0	-1445.6	-0.0148919 mg/L	-0.0148919 mg/L	10:58:31
2	As 188.979†	-7.2	13.1	0.0080228 mg/L	0.0080228 mg/L	10:58:51
2	B 249.677†	432.6	20.9	-0.0011689 mg/L	-0.0011689 mg/L	10:58:31
2	Be 234.861†	2383.6	3101.2	0.0010919 mg/L	0.0010919 mg/L	10:58:31
2	Cd 214.437†	437.7	224.1	-0.0022993 mg/L	-0.0022993 mg/L	10:58:51
2	Ce 413.764†	5207.0	4715.4	0.120317 mg/L	0.120317 mg/L	10:58:31
2	Co 228.616†	32.6	105.1	0.0100377 mg/L	0.0100377 mg/L	10:58:51
2	Cr 205.557†	990.7	981.8	0.0858499 mg/L	0.0858499 mg/L	10:58:51
2	Cu 327.397†	2878.0	2530.0	0.0762614 mg/L	0.0762614 mg/L	10:58:31
2	Mn 257.610†	48455.9	46705.8	0.303434 mg/L	0.303434 mg/L	10:58:31
2	Mo 202.031†	134.6	49.0	0.0069501 mg/L	0.0069501 mg/L	10:58:51
2	Ni 231.604†	930.4	461.8	0.0363171 mg/L	0.0363171 mg/L	10:58:51
2	Pb 220.353†	202.2	220.6	0.114746 mg/L	0.114746 mg/L	10:58:51
2	Sb 217.584†	-273.9	-212.0	-0.0372912 mg/L	-0.0372912 mg/L	10:58:51
2	Se 196.026†	-19.8	21.1	0.0849464 mg/L	0.0849464 mg/L	10:58:51
2	Si 251.611†	71402.8	68362.9	6.16618 mg/L	6.16618 mg/L	10:58:31
2	Sn 189.927†	-3.0	-18.0	-0.0030963 mg/L	-0.0030963 mg/L	10:58:51
2	Tl 190.801†	-59.8	-20.3	-0.0037880 mg/L	-0.0037880 mg/L	10:58:51
2	V 292.395†	4822.1	5980.7	0.126862 mg/L	0.126862 mg/L	10:58:31
2	Zn 206.200†	1469.7	1487.4	0.137918 mg/L	0.137918 mg/L	10:58:51

Mean Data: 1001254-09

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	237186.1	103.815	%	0.6642				0.64%
Y 360.076	159500.4	103.923	%	0.3871				0.37%
Ag 328.068†	-1465.5	-0.0152055	mg/L	0.00044348	-0.0152055	mg/L	0.00044348	2.92%
Al 396.153†	116081.6	36.9915	mg/L	0.04602	36.9915	mg/L	0.04602	0.12%
As 188.979†	18.8	0.0169423	mg/L	0.01261420	0.0169423	mg/L	0.01261420	74.45%
B 249.677†	-1.7	-0.0023985	mg/L	0.00173887	-0.0023985	mg/L	0.00173887	72.50%
Ba 455.398†	277977.0	0.955594	mg/L	0.0015342	0.955594	mg/L	0.0015342	0.16%
Be 234.861†	3100.9	0.0010906	mg/L	0.00000194	0.0010906	mg/L	0.00000194	0.18%
Ca 315.887†	13224.1	8.27737	mg/L	0.056825	8.27737	mg/L	0.056825	0.69%
Cd 214.437†	224.8	-0.0022747	mg/L	0.00003490	-0.0022747	mg/L	0.00003490	1.53%
Ce 413.764†	4678.8	0.119374	mg/L	0.0013331	0.119374	mg/L	0.0013331	1.12%
Co 228.616†	109.0	0.0106165	mg/L	0.00081858	0.0106165	mg/L	0.00081858	7.71%
Cr 205.557†	979.5	0.0856494	mg/L	0.00028348	0.0856494	mg/L	0.00028348	0.33%
Cu 327.397†	2526.8	0.0761656	mg/L	0.00013537	0.0761656	mg/L	0.00013537	0.18%
Fe 238.204†	102283.5	40.0771	mg/L	0.00042	40.0771	mg/L	0.00042	0.00%
K 766.490	1494.2	2.22631	mg/L	0.023559	2.22631	mg/L	0.023559	1.06%
Li 670.784†	1662.5	0.0521766	mg/L	0.00038065	0.0521766	mg/L	0.00038065	0.73%
Mg 279.071†	3438.4	7.07939	mg/L	0.096903	7.07939	mg/L	0.096903	1.37%
Mn 257.610†	46543.8	0.302386	mg/L	0.0014815	0.302386	mg/L	0.0014815	0.49%
Mo 202.031†	53.6	0.0075165	mg/L	0.00080094	0.0075165	mg/L	0.00080094	10.66%
Na 589.592†	2052.8	0.317928	mg/L	0.0009798	0.317928	mg/L	0.0009798	0.31%
Ni 231.604†	456.9	0.0359217	mg/L	0.00055921	0.0359217	mg/L	0.00055921	1.56%
Pb 220.353†	213.1	0.110999	mg/L	0.0052995	0.110999	mg/L	0.0052995	4.77%
Sb 217.584†	-209.8	-0.0355766	mg/L	0.00242487	-0.0355766	mg/L	0.00242487	6.82%
Se 196.026†	17.5	0.0775260	mg/L	0.01049396	0.0775260	mg/L	0.01049396	13.54%
Si 251.611†	67954.3	6.12900	mg/L	0.052580	6.12900	mg/L	0.052580	0.86%
Sn 189.927†	-19.7	-0.0038442	mg/L	0.00105771	-0.0038442	mg/L	0.00105771	27.51%
Sr 407.771†	45619.2	0.0594425	mg/L	0.00048061	0.0594425	mg/L	0.00048061	0.81%
Ti 334.940†	26925.9	1.75113	mg/L	0.009253	1.75113	mg/L	0.009253	0.53%
Tl 190.801†	-22.1	-0.0059176	mg/L	0.00301169	-0.0059176	mg/L	0.00301169	50.89%
V 292.395†	5964.3	0.126496	mg/L	0.0005181	0.126496	mg/L	0.0005181	0.41%
Zn 206.200†	1489.5	0.138110	mg/L	0.0002726	0.138110	mg/L	0.0002726	0.20%

==========

Sequence No.: 24
Sample ID: 1000576-ms1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 1/27/2010 11:01:45 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000576-ms1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	160077.5	160077.5	104.299	%			11:02:55
1	Al 396.153†	149543.8	143184.2	45.6293	mg/L	45.6293	mg/L	11:02:50
1	Ba 455.398†	360961.4	346085.3	1.18946	mg/L	1.18946	mg/L	11:02:50
1	Ca 315.887†	35396.2	33806.0	21.1733	mg/L	21.1733	mg/L	11:02:55
1	Fe 238.204†	102830.9	98559.8	38.6171	mg/L	38.6171	mg/L	11:02:55
1	K 766.490	10617.9	10637.7	16.0887	mg/L	16.0887	mg/L	11:02:55
1	Li 670.784†	10978.8	10547.3	0.323516	mg/L	0.323516	mg/L	11:02:55
1	Mg 279.071†	10492.7	10045.9	20.6766	mg/L	20.6766	mg/L	11:02:55
1	Na 589.592†	92665.2	88069.7	13.5566	mg/L	13.5566	mg/L	11:02:50
1	Sr 407.771†	272236.7	260360.2	0.335235	mg/L	0.335235	mg/L	11:02:50
1	Ti 334.940†	29150.0	27954.3	1.81793	mg/L	1.81793	mg/L	11:02:55
1	Sc 357.234	235588.9	235588.9	103.116	%			11:03:12
1	Ag 328.068†	15349.1	14911.4	0.239245	mg/L	0.239245	mg/L	11:03:12
1	As 188.979†	891.3	884.4	1.37036	mg/L	1.37036	mg/L	11:03:32
1	B 249.677†	5230.3	4674.6	0.249666	mg/L	0.249666	mg/L	11:03:12
1	Be 234.861†	8138.9	8687.7	0.0282258	mg/L	0.0282258	mg/L	11:03:12
1	Cd 214.437†	8043.7	7601.2	0.261909	mg/L	0.261909	mg/L	11:03:32
1	Ce 413.764†	4805.9	4337.7	0.110650	mg/L	0.110650	mg/L	11:03:12
1	Co 228.616†	1851.6	1869.2	0.276445	mg/L	0.276445	mg/L	11:03:32
1	Cr 205.557†	4231.1	4126.5	0.353330	mg/L	0.353330	mg/L	11:03:32
1	Cu 327.397†	11570.4	10965.9	0.337762	mg/L	0.337762	mg/L	11:03:12
1	Mn 257.610†	90765.2	87840.8	0.569452	mg/L	0.569452	mg/L	11:03:12
1	Mo 202.031†	2213.9	2065.7	0.254921	mg/L	0.254921	mg/L	11:03:32
1	Ni 231.604†	4356.9	3786.6	0.304200	mg/L	0.304200	mg/L	11:03:32
1	Pb 220.353†	706.8	710.3	0.361020	mg/L	0.361020	mg/L	11:03:32
1	Sb 217.584†	634.2	667.9	0.624825	mg/L	0.624825	mg/L	11:03:32
1	Se 196.026†	647.4	668.1	1.43327	mg/L	1.43327	mg/L	11:03:32
1	Si 251.611†	70883.0	68012.6	6.13215	mg/L	6.13215	mg/L	11:03:12
1	Sn 189.927†	2884.0	2781.7	1.24034	mg/L	1.24034	mg/L	11:03:32
1	Tl 190.801†	1116.0	1119.9	1.32597	mg/L	1.32597	mg/L	11:03:32
1	V 292.395†	16569.3	17383.2	0.386202	mg/L	0.386202	mg/L	11:03:12
1	Zn 206.200†	4376.2	4309.3	0.406889	mg/L	0.406889	mg/L	11:03:32
2	Y 360.076	160979.6	160979.6	104.887	%			11:03:06
2	Al 396.153†	149313.5	142161.1	45.3032	mg/L	45.3032	mg/L	11:03:01
2	Ba 455.398†	359901.6	343135.3	1.17933	mg/L	1.17933	mg/L	11:03:01
2	Ca 315.887†	36068.7	34257.0	21.4559	mg/L	21.4559	mg/L	11:03:06
2	Fe 238.204†	104517.0	99614.8	39.0305	mg/L	39.0305	mg/L	11:03:06
2	K 766.490	10764.6	10784.4	16.3111	mg/L	16.3111	mg/L	11:03:06
2	Li 670.784†	11132.2	10634.5	0.326179	mg/L	0.326179	mg/L	11:03:06
2	Mg 279.071†	10560.0	10053.7	20.6927	mg/L	20.6927	mg/L	11:03:06
2	Na 589.592†	92125.4	87057.2	13.4008	mg/L	13.4008	mg/L	11:03:01
2	Sr 407.771†	271404.8	258104.3	0.332338	mg/L	0.332338	mg/L	11:03:01
2	Ti 334.940†	29612.9	28239.0	1.83642	mg/L	1.83642	mg/L	11:03:06
2	Sc 357.234	236423.4	236423.4	103.481	%			11:03:37
2	Ag 328.068†	15370.2	14879.3	0.238788	mg/L	0.238788	mg/L	11:03:37
2	As 188.979†	886.7	876.9	1.35853	mg/L	1.35853	mg/L	11:03:57
2	B 249.677†	5325.1	4748.3	0.253695	mg/L	0.253695	mg/L	11:03:37
2	Be 234.861†	8224.7	8742.7	0.0283521	mg/L	0.0283521	mg/L	11:03:37
2	Cd 214.437†	8059.3	7588.8	0.261414	mg/L	0.261414	mg/L	11:03:57
2	Ce 413.764†	4703.6	4222.4	0.107685	mg/L	0.107685	mg/L	11:03:37
2	Co 228.616†	1839.5	1851.2	0.273674	mg/L	0.273674	mg/L	11:03:57
2	Cr 205.557†	4252.3	4132.4	0.353859	mg/L	0.353859	mg/L	11:03:57
2	Cu 327.397†	11678.8	11031.1	0.339795	mg/L	0.339795	mg/L	11:03:37
2	Mn 257.610†	91467.3	88208.6	0.571847	mg/L	0.571847	mg/L	11:03:37
2	Mo 202.031†	2212.5	2056.9	0.253832	mg/L	0.253832	mg/L	11:03:57
2	Ni 231.604†	4392.5	3806.2	0.305780	mg/L	0.305780	mg/L	11:03:57
2	Pb 220.353†	708.7	709.8	0.360746	mg/L	0.360746	mg/L	11:03:57
2	Sb 217.584†	647.4	678.6	0.634135	mg/L	0.634135	mg/L	11:03:57
2	Se 196.026†	639.1	657.8	1.41226	mg/L	1.41226	mg/L	11:03:57
2	Si 251.611†	71673.2	68533.5	6.17895	mg/L	6.17895	mg/L	11:03:37
2	Sn 189.927†	2892.6	2780.1	1.23970	mg/L	1.23970	mg/L	11:03:57
2	Tl 190.801†	1110.6	1110.9	1.31561	mg/L	1.31561	mg/L	11:03:57
2	V 292.395†	16709.8	17462.3	0.387882	mg/L	0.387882	mg/L	11:03:37
2	Zn 206.200†	4384.9	4302.7	0.406240	mg/L	0.406240	mg/L	11:03:57

Mean Data: 1000576-ms1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Sc 357.234	236006.1	103.299 %	0.2583				0.25%
Y 360.076	160528.6	104.593 %	0.4156				0.40%
Ag 328.068†	14895.4	0.239017 mg/L	0.0003230	0.239017 mg/L	0.0003230		0.14%
Al 396.153†	142672.6	45.4663 mg/L	0.23056	45.4663 mg/L	0.23056		0.51%
As 188.979†	880.6	1.36445 mg/L	0.008367	1.36445 mg/L	0.008367		0.61%
B 249.677†	4711.5	0.251680 mg/L	0.0028488	0.251680 mg/L	0.0028488		1.13%
Ba 455.398†	344610.3	1.18440 mg/L	0.007163	1.18440 mg/L	0.007163		0.60%
Be 234.861†	8715.2	0.0282890 mg/L	0.00008931	0.0282890 mg/L	0.00008931		0.32%
Ca 315.887†	34031.5	21.3146 mg/L	0.19981	21.3146 mg/L	0.19981		0.94%
Cd 214.437†	7595.0	0.261661 mg/L	0.0003500	0.261661 mg/L	0.0003500		0.13%
Ce 413.764†	4280.0	0.109167 mg/L	0.0020964	0.109167 mg/L	0.0020964		1.92%
Co 228.616†	1860.2	0.275060 mg/L	0.0019590	0.275060 mg/L	0.0019590		0.71%
Cr 205.557†	4129.5	0.353595 mg/L	0.0003741	0.353595 mg/L	0.0003741		0.11%
Cu 327.397†	10998.5	0.338778 mg/L	0.0014376	0.338778 mg/L	0.0014376		0.42%
Fe 238.204†	99087.3	38.8238 mg/L	0.29231	38.8238 mg/L	0.29231		0.75%
K 766.490	10711.0	16.1999 mg/L	0.15727	16.1999 mg/L	0.15727		0.97%
Li 670.784†	10590.9	0.324847 mg/L	0.0018834	0.324847 mg/L	0.0018834		0.58%
Mg 279.071†	10049.8	20.6847 mg/L	0.01139	20.6847 mg/L	0.01139		0.06%
Mn 257.610†	88024.7	0.570650 mg/L	0.0016935	0.570650 mg/L	0.0016935		0.30%
Mo 202.031†	2061.3	0.254376 mg/L	0.0007699	0.254376 mg/L	0.0007699		0.30%
Na 589.592†	87563.5	13.4787 mg/L	0.11020	13.4787 mg/L	0.11020		0.82%
Ni 231.604†	3796.4	0.304990 mg/L	0.0011172	0.304990 mg/L	0.0011172		0.37%
Pb 220.353†	710.0	0.360883 mg/L	0.0001933	0.360883 mg/L	0.0001933		0.05%
Sb 217.584†	673.3	0.629480 mg/L	0.0065830	0.629480 mg/L	0.0065830		1.05%
Se 196.026†	662.9	1.42276 mg/L	0.014858	1.42276 mg/L	0.014858		1.04%
Si 251.611†	68273.0	6.15555 mg/L	0.033096	6.15555 mg/L	0.033096		0.54%
Sn 189.927†	2780.9	1.24002 mg/L	0.000450	1.24002 mg/L	0.000450		0.04%
Sr 407.771†	259232.2	0.333787 mg/L	0.0020487	0.333787 mg/L	0.0020487		0.61%
Ti 334.940†	28096.7	1.82718 mg/L	0.013077	1.82718 mg/L	0.013077		0.72%
Tl 190.801†	1115.4	1.32079 mg/L	0.007326	1.32079 mg/L	0.007326		0.55%
V 292.395†	17422.8	0.387042 mg/L	0.0011879	0.387042 mg/L	0.0011879		0.31%
Zn 206.200†	4306.0	0.406565 mg/L	0.0004588	0.406565 mg/L	0.0004588		0.11%

Sequence No.: 25
Sample ID: 0A27004-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 1/27/2010 11:06:54 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A27004-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	158025.7	158025.7	102.963	%			11:08:00
1	Al 396.153†	8285.8	7852.2	2.48284	mg/L	2.48284	mg/L	11:08:20
1	Ba 455.398†	146427.9	142218.0	0.489428	mg/L	0.489428	mg/L	11:08:00
1	Ca 315.887†	8224.6	7856.9	4.91446	mg/L	4.91446	mg/L	11:08:20
1	Fe 238.204†	1338.9	1268.1	0.496381	mg/L	0.496381	mg/L	11:08:20
1	K 766.490	3333.1	3352.9	5.04429	mg/L	5.04429	mg/L	11:08:20
1	Li 670.784†	16562.8	16107.3	0.493315	mg/L	0.493315	mg/L	11:08:20
1	Mg 279.071†	2477.0	2391.5	4.92482	mg/L	4.92482	mg/L	11:08:20
1	Na 589.592†	33648.0	31904.2	4.91230	mg/L	4.91230	mg/L	11:08:00
1	Sr 407.771†	391778.1	379851.1	0.488698	mg/L	0.488698	mg/L	11:08:00
1	Ti 334.940†	7759.5	7542.2	0.492140	mg/L	0.492140	mg/L	11:08:20
1	Sc 357.234	230821.7	230821.7	101.030	%			11:08:52
1	Ag 328.068†	32108.1	31807.1	0.496125	mg/L	0.496125	mg/L	11:08:52
1	As 188.979†	1575.1	1579.1	2.46666	mg/L	2.46666	mg/L	11:09:12
1	B 249.677†	9585.9	9090.6	0.484502	mg/L	0.484502	mg/L	11:08:52
1	Be 234.861†	9678.4	10374.5	0.0494047	mg/L	0.0494047	mg/L	11:09:12
1	Cd 214.437†	14129.9	13786.5	0.493500	mg/L	0.493500	mg/L	11:09:12
1	Ce 413.764†	403.2	76.1	0.0018613	mg/L	0.0018613	mg/L	11:08:52
1	Co 228.616†	3260.1	3300.5	0.496984	mg/L	0.496984	mg/L	11:09:12
1	Cr 205.557†	5865.7	5829.1	0.495827	mg/L	0.495827	mg/L	11:09:12
1	Cu 327.397†	16499.9	16076.9	0.495341	mg/L	0.495341	mg/L	11:08:52
1	Mn 257.610†	78302.3	77322.9	0.499986	mg/L	0.499986	mg/L	11:08:52
1	Mo 202.031†	4159.5	4035.9	0.497168	mg/L	0.497168	mg/L	11:09:12
1	Ni 231.604†	6683.9	6177.2	0.496897	mg/L	0.496897	mg/L	11:09:12
1	Pb 220.353†	968.8	983.8	0.497701	mg/L	0.497701	mg/L	11:09:12
1	Sb 217.584†	3257.1	3276.8	2.48528	mg/L	2.48528	mg/L	11:09:12
1	Se 196.026†	1171.9	1200.2	2.49836	mg/L	2.49836	mg/L	11:09:12

1	Si 251.611†	28064.7	27050.3	2.44721 mg/L	2.44721 mg/L	11:08:52
1	Sn 189.927†	5598.8	5526.6	2.45310 mg/L	2.45310 mg/L	11:09:12
1	Tl 190.801†	2106.1	2122.2	2.48082 mg/L	2.48082 mg/L	11:09:12
1	V 292.395†	20990.2	22091.0	0.502492 mg/L	0.502492 mg/L	11:08:52
1	Zn 206.200†	5186.8	5199.3	0.495621 mg/L	0.495621 mg/L	11:09:12
2	Y 360.076	155184.9	155184.9	101.112 %		11:08:25
2	Al 396.153†	8296.3	8009.9	2.53300 mg/L	2.53300 mg/L	11:08:45
2	Ba 455.398†	146679.5	145070.1	0.499221 mg/L	0.499221 mg/L	11:08:25
2	Ca 315.887†	8254.5	8032.6	5.02458 mg/L	5.02458 mg/L	11:08:45
2	Fe 238.204†	1348.4	1301.3	0.509376 mg/L	0.509376 mg/L	11:08:45
2	K 766.490	3330.4	3350.2	5.04017 mg/L	5.04017 mg/L	11:08:45
2	Li 670.784†	16597.4	16435.9	0.503352 mg/L	0.503352 mg/L	11:08:45
2	Mg 279.071†	2493.3	2451.7	5.04871 mg/L	5.04871 mg/L	11:08:45
2	Na 589.592†	33638.9	32493.4	5.00298 mg/L	5.00298 mg/L	11:08:25
2	Sr 407.771†	392270.1	387303.0	0.498269 mg/L	0.498269 mg/L	11:08:25
2	Ti 334.940†	7799.1	7719.3	0.503642 mg/L	0.503642 mg/L	11:08:45
2	Sc 357.234	228677.3	228677.3	100.091 %		11:09:17
2	Ag 328.068†	32313.4	32310.2	0.503938 mg/L	0.503938 mg/L	11:09:17
2	As 188.979†	1577.2	1595.8	2.49272 mg/L	2.49272 mg/L	11:09:37
2	B 249.677†	9681.3	9274.9	0.494439 mg/L	0.494439 mg/L	11:09:17
2	Be 234.861†	9737.6	10523.5	0.0501120 mg/L	0.0501120 mg/L	11:09:37
2	Cd 214.437†	14211.3	13999.0	0.501115 mg/L	0.501115 mg/L	11:09:37
2	Ce 413.764†	319.2	-4.1	-0.0001976 mg/L	-0.0001976 mg/L	11:09:17
2	Co 228.616†	3293.3	3363.8	0.506527 mg/L	0.506527 mg/L	11:09:37
2	Cr 205.557†	5911.1	5928.9	0.504318 mg/L	0.504318 mg/L	11:09:37
2	Cu 327.397†	16582.7	16312.8	0.502660 mg/L	0.502660 mg/L	11:09:17
2	Mn 257.610†	78831.7	78578.5	0.508109 mg/L	0.508109 mg/L	11:09:17
2	Mo 202.031†	4176.6	4091.6	0.504011 mg/L	0.504011 mg/L	11:09:37
2	Ni 231.604†	6738.5	6293.8	0.506283 mg/L	0.506283 mg/L	11:09:37
2	Pb 220.353†	977.0	1001.0	0.506363 mg/L	0.506363 mg/L	11:09:37
2	Sb 217.584†	3286.6	3336.6	2.53057 mg/L	2.53057 mg/L	11:09:37
2	Se 196.026†	1169.9	1209.1	2.51689 mg/L	2.51689 mg/L	11:09:37
2	Si 251.611†	28252.0	27497.9	2.48745 mg/L	2.48745 mg/L	11:09:17
2	Sn 189.927†	5632.9	5612.7	2.49126 mg/L	2.49126 mg/L	11:09:37
2	Tl 190.801†	2115.2	2150.9	2.51426 mg/L	2.51426 mg/L	11:09:37
2	V 292.395†	21131.9	22427.3	0.510121 mg/L	0.510121 mg/L	11:09:17
2	Zn 206.200†	5215.2	5275.8	0.502920 mg/L	0.502920 mg/L	11:09:37

Mean Data: 0A27004-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	229749.5	100.560	%	0.6637				0.66%
Y 360.076	156605.3	102.037	%	1.3088				1.28%
Ag 328.068†	32058.7	0.500031	mg/L	0.0055244	0.500031	mg/L	0.0055244	1.10%
QC value within limits for Ag 328.068 Recovery = 100.01%								
Al 396.153†	7931.1	2.50792	mg/L	0.035468	2.50792	mg/L	0.035468	1.41%
QC value within limits for Al 396.153 Recovery = 100.32%								
As 188.979†	1587.5	2.47969	mg/L	0.018424	2.47969	mg/L	0.018424	0.74%
QC value within limits for As 188.979 Recovery = 99.19%								
B 249.677†	9182.7	0.489470	mg/L	0.0070265	0.489470	mg/L	0.0070265	1.44%
QC value within limits for B 249.677 Recovery = 97.89%								
Ba 455.398†	143644.0	0.494325	mg/L	0.0069252	0.494325	mg/L	0.0069252	1.40%
QC value within limits for Ba 455.398 Recovery = 98.86%								
Be 234.861†	10449.0	0.0497583	mg/L	0.00050013	0.0497583	mg/L	0.00050013	1.01%
QC value within limits for Be 234.861 Recovery = 99.52%								
Ca 315.887†	7944.8	4.96952	mg/L	0.077866	4.96952	mg/L	0.077866	1.57%
QC value within limits for Ca 315.887 Recovery = 99.39%								
Cd 214.437†	13892.8	0.497307	mg/L	0.0053846	0.497307	mg/L	0.0053846	1.08%
QC value within limits for Cd 214.437 Recovery = 99.46%								
Ce 413.764†	36.0	0.0008319	mg/L	0.00145588	0.0008319	mg/L	0.00145588	175.01%
Co 228.616†	3332.2	0.501755	mg/L	0.0067476	0.501755	mg/L	0.0067476	1.34%
QC value within limits for Co 228.616 Recovery = 100.35%								
Cr 205.557†	5879.0	0.500072	mg/L	0.0060041	0.500072	mg/L	0.0060041	1.20%
QC value within limits for Cr 205.557 Recovery = 100.01%								
Cu 327.397†	16194.8	0.499000	mg/L	0.0051752	0.499000	mg/L	0.0051752	1.04%
QC value within limits for Cu 327.397 Recovery = 99.80%								
Fe 238.204†	1284.7	0.502878	mg/L	0.0091892	0.502878	mg/L	0.0091892	1.83%
QC value within limits for Fe 238.204 Recovery = 100.58%								
K 766.490	3351.5	5.04223	mg/L	0.002911	5.04223	mg/L	0.002911	0.06%
QC value within limits for K 766.490 Recovery = 100.84%								

Li 670.784†	16271.6	0.498334 mg/L	0.0070970	0.498334 mg/L	0.0070970	1.42%
QC value within limits for Li 670.784 Recovery = 99.67%						
Mg 279.071†	2421.6	4.98676 mg/L	0.087597	4.98676 mg/L	0.087597	1.76%
QC value within limits for Mg 279.071 Recovery = 99.74%						
Mn 257.610†	77950.7	0.504047 mg/L	0.0057434	0.504047 mg/L	0.0057434	1.14%
QC value within limits for Mn 257.610 Recovery = 100.81%						
Mo 202.031†	4063.7	0.500590 mg/L	0.0048390	0.500590 mg/L	0.0048390	0.97%
QC value within limits for Mo 202.031 Recovery = 100.12%						
Na 589.592†	32198.8	4.95764 mg/L	0.064120	4.95764 mg/L	0.064120	1.29%
QC value within limits for Na 589.592 Recovery = 99.15%						
Ni 231.604†	6235.5	0.501590 mg/L	0.0066365	0.501590 mg/L	0.0066365	1.32%
QC value within limits for Ni 231.604 Recovery = 100.32%						
Pb 220.353†	992.4	0.502032 mg/L	0.0061253	0.502032 mg/L	0.0061253	1.22%
QC value within limits for Pb 220.353 Recovery = 100.41%						
Sb 217.584†	3306.7	2.50792 mg/L	0.032023	2.50792 mg/L	0.032023	1.28%
QC value within limits for Sb 217.584 Recovery = 100.32%						
Se 196.026†	1204.6	2.50763 mg/L	0.013105	2.50763 mg/L	0.013105	0.52%
QC value within limits for Se 196.026 Recovery = 100.31%						
Si 251.611†	27274.1	2.46733 mg/L	0.028457	2.46733 mg/L	0.028457	1.15%
QC value within limits for Si 251.611 Recovery = 98.69%						
Sn 189.927†	5569.6	2.47218 mg/L	0.026982	2.47218 mg/L	0.026982	1.09%
QC value within limits for Sn 189.927 Recovery = 98.89%						
Sr 407.771†	383577.0	0.493484 mg/L	0.0067673	0.493484 mg/L	0.0067673	1.37%
QC value within limits for Sr 407.771 Recovery = 98.70%						
Ti 334.940†	7630.7	0.497891 mg/L	0.0081334	0.497891 mg/L	0.0081334	1.63%
QC value within limits for Ti 334.940 Recovery = 99.58%						
Tl 190.801†	2136.5	2.49754 mg/L	0.023646	2.49754 mg/L	0.023646	0.95%
QC value within limits for Tl 190.801 Recovery = 99.90%						
V 292.395†	22259.1	0.506307 mg/L	0.0053944	0.506307 mg/L	0.0053944	1.07%
QC value within limits for V 292.395 Recovery = 101.26%						
Zn 206.200†	5237.6	0.499270 mg/L	0.0051613	0.499270 mg/L	0.0051613	1.03%
QC value within limits for Zn 206.200 Recovery = 99.85%						

All analyte(s) passed QC.

==========

Sequence No.: 26 **Autosampler Location: 1**
Sample ID: 0A27004-CCB **Date Collected: 1/27/2010 11:10:54 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A27004-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	153994.1	153994.1	100.336	%			11:11:59
1	Al 396.153†	196.3	0.5	-0.0119208	mg/L	-0.0119208	mg/L	11:11:59
1	Ba 455.398†	-2.8	0.4	0.0010843	mg/L	0.0010843	mg/L	11:11:59
1	Ca 315.887†	139.6	8.1	-0.0033241	mg/L	-0.0033241	mg/L	11:12:19
1	Fe 238.204†	50.2	17.7	0.0071010	mg/L	0.0071010	mg/L	11:12:19
1	K 766.490	-5.8	14.0	-0.0177882	mg/L	-0.0177882	mg/L	11:11:59
1	Li 670.784†	-18.9	2.2	0.0014702	mg/L	0.0014702	mg/L	11:11:59
1	Mg 279.071†	16.1	1.8	0.0071935	mg/L	0.0071935	mg/L	11:12:19
1	Na 589.592†	746.0	-32.2	-0.0029755	mg/L	-0.0029755	mg/L	11:11:59
1	Sr 407.771†	660.0	3.4	0.0008578	mg/L	0.0008578	mg/L	11:11:59
1	Ti 334.940†	5.4	11.4	0.0030046	mg/L	0.0030046	mg/L	11:12:19
1	Sc 357.234	225792.0	225792.0	98.8281	%			11:12:50
1	Ag 328.068†	-52.3	-26.8	0.0012267	mg/L	0.0012267	mg/L	11:12:50
1	As 188.979†	-21.1	-1.3	-0.0020107	mg/L	-0.0020107	mg/L	11:13:10
1	B 249.677†	409.9	17.1	-0.0047334	mg/L	-0.0047334	mg/L	11:13:10
1	Be 234.861†	-797.2	-12.0	-0.0000613	mg/L	-0.0000613	mg/L	11:13:10
1	Cd 214.437†	197.0	-0.1	-0.0007520	mg/L	-0.0007520	mg/L	11:13:10
1	Ce 413.764†	339.9	20.9	0.0005355	mg/L	0.0005355	mg/L	11:12:50
1	Co 228.616†	-69.8	2.9	-0.0001050	mg/L	-0.0001050	mg/L	11:13:10
1	Cr 205.557†	-35.5	-12.7	-0.0012701	mg/L	-0.0012701	mg/L	11:13:10
1	Cu 327.397†	263.0	11.3	-0.0028851	mg/L	-0.0028851	mg/L	11:12:50
1	Mn 257.610†	280.9	102.7	0.0004848	mg/L	0.0004848	mg/L	11:13:10
1	Mo 202.031†	90.3	10.2	0.0021760	mg/L	0.0021760	mg/L	11:13:10
1	Ni 231.604†	445.4	12.1	0.0001227	mg/L	0.0001227	mg/L	11:13:10
1	Pb 220.353†	-24.8	-0.2	0.0026279	mg/L	0.0026279	mg/L	11:13:10
1	Sb 217.584†	-56.2	-3.9	-0.0000817	mg/L	-0.0000817	mg/L	11:13:10

1	Se 196.026†	-46.6	-6.9	-0.0210667 mg/L	-0.0210667 mg/L	11:13:10
1	Si 251.611†	363.1	-360.9	-0.0227040 mg/L	-0.0227040 mg/L	11:13:10
1	Sn 189.927†	25.5	10.7	0.0078284 mg/L	0.0078284 mg/L	11:13:10
1	Tl 190.801†	-36.2	1.0	0.0034438 mg/L	0.0034438 mg/L	11:13:10
1	V 292.395†	-1262.4	37.2	0.0015598 mg/L	0.0015598 mg/L	11:13:10
1	Zn 206.200†	-56.7	7.9	0.0000821 mg/L	0.0000821 mg/L	11:13:10
2	Y 360.076	154440.2	154440.2	100.626 %		11:12:24
2	Al 396.153†	215.8	19.3	-0.0059110 mg/L	-0.0059110 mg/L	11:12:24
2	Ba 455.398†	21.3	24.5	0.0011668 mg/L	0.0011668 mg/L	11:12:24
2	Ca 315.887†	127.8	-4.1	-0.0109673 mg/L	-0.0109673 mg/L	11:12:44
2	Fe 238.204†	51.0	18.4	0.0073644 mg/L	0.0073644 mg/L	11:12:44
2	K 766.490	-9.8	10.0	-0.0238523 mg/L	-0.0238523 mg/L	11:12:24
2	Li 670.784†	-24.0	-2.8	0.0013196 mg/L	0.0013196 mg/L	11:12:24
2	Mg 279.071†	13.3	-1.0	0.0013746 mg/L	0.0013746 mg/L	11:12:44
2	Na 589.592†	759.5	-20.9	-0.0012368 mg/L	-0.0012368 mg/L	11:12:24
2	Sr 407.771†	702.1	43.3	0.0009090 mg/L	0.0009090 mg/L	11:12:24
2	Ti 334.940†	-1.6	4.4	0.0025529 mg/L	0.0025529 mg/L	11:12:44
2	Sc 357.234	225851.1	225851.1	98.8539 %		11:13:15
2	Ag 328.068†	8.7	34.9	0.0021848 mg/L	0.0021848 mg/L	11:13:15
2	As 188.979†	-24.1	-4.3	-0.0066832 mg/L	-0.0066832 mg/L	11:13:35
2	B 249.677†	405.9	12.9	-0.0049528 mg/L	-0.0049528 mg/L	11:13:35
2	Be 234.861†	-767.4	18.4	0.0000838 mg/L	0.0000838 mg/L	11:13:35
2	Cd 214.437†	205.6	8.5	-0.0004414 mg/L	-0.0004414 mg/L	11:13:35
2	Ce 413.764†	333.2	14.0	0.0003597 mg/L	0.0003597 mg/L	11:13:15
2	Co 228.616†	-73.4	-0.7	-0.0006468 mg/L	-0.0006468 mg/L	11:13:35
2	Cr 205.557†	-23.0	-0.1	-0.0001905 mg/L	-0.0001905 mg/L	11:13:35
2	Cu 327.397†	280.0	28.4	-0.0023551 mg/L	-0.0023551 mg/L	11:13:15
2	Mn 257.610†	273.1	94.8	0.0004336 mg/L	0.0004336 mg/L	11:13:35
2	Mo 202.031†	82.4	2.2	0.0011882 mg/L	0.0011882 mg/L	11:13:35
2	Ni 231.604†	443.7	10.3	-0.0000271 mg/L	-0.0000271 mg/L	11:13:35
2	Pb 220.353†	-28.0	-3.4	0.0009984 mg/L	0.0009984 mg/L	11:13:35
2	Sb 217.584†	-49.8	2.6	0.0048119 mg/L	0.0048119 mg/L	11:13:35
2	Se 196.026†	-37.9	1.8	-0.0027803 mg/L	-0.0027803 mg/L	11:13:35
2	Si 251.611†	377.2	-346.8	-0.0214148 mg/L	-0.0214148 mg/L	11:13:35
2	Sn 189.927†	23.9	9.0	0.0070807 mg/L	0.0070807 mg/L	11:13:35
2	Tl 190.801†	-35.8	1.4	0.0039162 mg/L	0.0039162 mg/L	11:13:35
2	V 292.395†	-1274.1	25.8	0.0012907 mg/L	0.0012907 mg/L	11:13:35
2	Zn 206.200†	-56.4	8.3	0.0001171 mg/L	0.0001171 mg/L	11:13:35

Mean Data: 0A27004-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	225821.5	98.8410	%	0.01828				0.02%
Y 360.076	154217.1	100.481	%	0.2055				0.20%
Ag 328.068†	4.1	0.0017058	mg/L	0.00067748	0.0017058	mg/L	0.00067748	39.72%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	9.9	-0.0089159	mg/L	0.00424956	-0.0089159	mg/L	0.00424956	47.66%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-2.8	-0.0043470	mg/L	0.00330398	-0.0043470	mg/L	0.00330398	76.01%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	15.0	-0.0048431	mg/L	0.00015519	-0.0048431	mg/L	0.00015519	3.20%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	12.5	0.0011255	mg/L	0.00005833	0.0011255	mg/L	0.00005833	5.18%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	3.2	0.0000113	mg/L	0.00010263	0.0000113	mg/L	0.00010263	911.79%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	2.0	-0.0071457	mg/L	0.00540455	-0.0071457	mg/L	0.00540455	75.63%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	4.2	-0.0005967	mg/L	0.00021959	-0.0005967	mg/L	0.00021959	36.80%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	17.5	0.0004476	mg/L	0.00012435	0.0004476	mg/L	0.00012435	27.78%
Co 228.616†	1.1	-0.0003759	mg/L	0.00038312	-0.0003759	mg/L	0.00038312	101.91%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-6.4	-0.0007303	mg/L	0.00076343	-0.0007303	mg/L	0.00076343	104.54%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	19.8	-0.0026201	mg/L	0.00037475	-0.0026201	mg/L	0.00037475	14.30%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	18.1	0.0072327	mg/L	0.00018622	0.0072327	mg/L	0.00018622	2.57%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	12.0	-0.0208202	mg/L	0.00428796	-0.0208202	mg/L	0.00428796	20.60%

QC value within limits for K 766.490 Recovery = Not calculated

Li 670.784†		-0.3	0.0013949 mg/L	0.00010648	0.0013949 mg/L	0.00010648	7.63%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†		0.4	0.0042840 mg/L	0.00411457	0.0042840 mg/L	0.00411457	96.04%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†		98.8	0.0004592 mg/L	0.00003622	0.0004592 mg/L	0.00003622	7.89%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†		6.2	0.0016821 mg/L	0.00069847	0.0016821 mg/L	0.00069847	41.52%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†		-26.5	-0.0021062 mg/L	0.00122940	-0.0021062 mg/L	0.00122940	58.37%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†		11.2	0.0000478 mg/L	0.00010593	0.0000478 mg/L	0.00010593	221.82%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†		-1.8	0.0018132 mg/L	0.00115223	0.0018132 mg/L	0.00115223	63.55%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†		-0.7	0.0023651 mg/L	0.00346033	0.0023651 mg/L	0.00346033	146.31%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†		-2.5	-0.0119235 mg/L	0.01293047	-0.0119235 mg/L	0.01293047	108.45%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†		-353.9	-0.0220594 mg/L	0.00091165	-0.0220594 mg/L	0.00091165	4.13%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†		9.8	0.0074546 mg/L	0.00052874	0.0074546 mg/L	0.00052874	7.09%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†		23.3	0.0008834 mg/L	0.00003622	0.0008834 mg/L	0.00003622	4.10%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†		7.9	0.0027788 mg/L	0.00031943	0.0027788 mg/L	0.00031943	11.50%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†		1.2	0.0036800 mg/L	0.00033402	0.0036800 mg/L	0.00033402	9.08%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†		31.5	0.0014252 mg/L	0.00019025	0.0014252 mg/L	0.00019025	13.35%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†		8.1	0.0000996 mg/L	0.00002477	0.0000996 mg/L	0.00002477	24.86%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

==========

Sequence No.: 27 **Autosampler Location: 27**
Sample ID: 1000576-msd1 **Date Collected: 1/27/2010 11:14:51 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1000576-msd1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	159961.8	159961.8	104.224	%			11:16:01
1	Al 396.153†	159842.4	153169.1	48.8122	mg/L	48.8122	mg/L	11:15:56
1	Ba 455.398†	380042.2	364643.0	1.25319	mg/L	1.25319	mg/L	11:15:56
1	Ca 315.887†	35655.9	34079.8	21.3448	mg/L	21.3448	mg/L	11:16:01
1	Fe 238.204†	116387.7	111638.4	43.7416	mg/L	43.7416	mg/L	11:16:01
1	K 766.490	10468.7	10488.5	15.8626	mg/L	15.8626	mg/L	11:16:01
1	Li 670.784†	10874.3	10454.6	0.320684	mg/L	0.320684	mg/L	11:16:01
1	Mg 279.071†	10996.6	10536.7	21.6866	mg/L	21.6866	mg/L	11:16:01
1	Na 589.592†	90575.5	86129.0	13.2580	mg/L	13.2580	mg/L	11:15:56
1	Sr 407.771†	269374.2	257802.5	0.331951	mg/L	0.331951	mg/L	11:15:56
1	Ti 334.940†	28904.2	27738.7	1.80393	mg/L	1.80393	mg/L	11:16:01
1	Sc 357.234	235292.7	235292.7	102.986	%			11:16:17
1	Ag 328.068†	14667.7	14268.6	0.230029	mg/L	0.230029	mg/L	11:16:17
1	As 188.979†	858.2	853.3	1.32181	mg/L	1.32181	mg/L	11:16:37
1	B 249.677†	5276.3	4725.7	0.253037	mg/L	0.253037	mg/L	11:16:37
1	Be 234.861†	8296.1	8850.2	0.0272580	mg/L	0.0272580	mg/L	11:16:17
1	Cd 214.437†	7893.6	7465.3	0.255861	mg/L	0.255861	mg/L	11:16:37
1	Ce 413.764†	5658.5	5171.4	0.132039	mg/L	0.132039	mg/L	11:16:17
1	Co 228.616†	1802.3	1823.6	0.269409	mg/L	0.269409	mg/L	11:16:37
1	Cr 205.557†	4209.6	4110.8	0.352310	mg/L	0.352310	mg/L	11:16:37
1	Cu 327.397†	11653.1	11060.3	0.340682	mg/L	0.340682	mg/L	11:16:17
1	Mn 257.610†	97810.9	94793.0	0.614614	mg/L	0.614614	mg/L	11:16:17
1	Mo 202.031†	2213.9	2068.5	0.255256	mg/L	0.255256	mg/L	11:16:37
1	Ni 231.604†	4318.1	3754.3	0.301604	mg/L	0.301604	mg/L	11:16:37
1	Pb 220.353†	701.4	705.9	0.358766	mg/L	0.358766	mg/L	11:16:37

1	Sb 217.584†	583.6	619.7	0.603674 mg/L	0.603674 mg/L	11:16:37
1	Se 196.026†	632.9	654.7	1.41149 mg/L	1.41149 mg/L	11:16:37
1	Si 251.611†	74062.6	71186.5	6.42129 mg/L	6.42129 mg/L	11:16:17
1	Sn 189.927†	2921.1	2821.3	1.25790 mg/L	1.25790 mg/L	11:16:37
1	Tl 190.801†	1080.3	1086.6	1.28716 mg/L	1.28716 mg/L	11:16:37
1	V 292.395†	16571.4	17405.5	0.385774 mg/L	0.385774 mg/L	11:16:17
1	Zn 206.200†	4500.3	4435.2	0.418504 mg/L	0.418504 mg/L	11:16:37
2	Y 360.076	161985.4	161985.4	105.543 %		11:16:11
2	Al 396.153†	159289.6	150729.3	48.0345 mg/L	48.0345 mg/L	11:16:06
2	Ba 455.398†	378461.7	358590.2	1.23240 mg/L	1.23240 mg/L	11:16:06
2	Ca 315.887†	35659.1	33655.4	21.0789 mg/L	21.0789 mg/L	11:16:11
2	Fe 238.204†	116440.9	110293.8	43.2147 mg/L	43.2147 mg/L	11:16:11
2	K 766.490	10435.7	10455.5	15.8125 mg/L	15.8125 mg/L	11:16:11
2	Li 670.784†	10834.3	10286.4	0.315546 mg/L	0.315546 mg/L	11:16:11
2	Mg 279.071†	10999.7	10407.8	21.4214 mg/L	21.4214 mg/L	11:16:11
2	Na 589.592†	90094.0	84587.1	13.0206 mg/L	13.0206 mg/L	11:16:06
2	Sr 407.771†	268509.2	253754.1	0.326751 mg/L	0.326751 mg/L	11:16:06
2	Ti 334.940†	28977.4	27461.6	1.78593 mg/L	1.78593 mg/L	11:16:11
2	Sc 357.234	236165.0	236165.0	103.368 %		11:16:42
2	Ag 328.068†	14615.4	14165.3	0.228345 mg/L	0.228345 mg/L	11:16:42
2	As 188.979†	852.2	844.5	1.30808 mg/L	1.30808 mg/L	11:17:03
2	B 249.677†	5322.6	4751.5	0.254393 mg/L	0.254393 mg/L	11:17:03
2	Be 234.861†	8342.8	8865.6	0.0275141 mg/L	0.0275141 mg/L	11:16:42
2	Cd 214.437†	7882.6	7426.3	0.254611 mg/L	0.254611 mg/L	11:17:03
2	Ce 413.764†	5619.2	5113.1	0.130549 mg/L	0.130549 mg/L	11:16:42
2	Co 228.616†	1794.2	1809.3	0.267317 mg/L	0.267317 mg/L	11:17:03
2	Cr 205.557†	4210.9	4096.9	0.351093 mg/L	0.351093 mg/L	11:17:03
2	Cu 327.397†	11697.2	11061.2	0.340699 mg/L	0.340699 mg/L	11:16:42
2	Mn 257.610†	98180.4	94799.7	0.614638 mg/L	0.614638 mg/L	11:16:42
2	Mo 202.031†	2223.7	2070.0	0.255446 mg/L	0.255446 mg/L	11:17:03
2	Ni 231.604†	4329.0	3749.3	0.301208 mg/L	0.301208 mg/L	11:17:03
2	Pb 220.353†	703.7	705.7	0.358633 mg/L	0.358633 mg/L	11:17:03
2	Sb 217.584†	595.1	628.7	0.608918 mg/L	0.608918 mg/L	11:17:03
2	Se 196.026†	624.3	644.1	1.38879 mg/L	1.38879 mg/L	11:17:03
2	Si 251.611†	74519.1	71362.5	6.43757 mg/L	6.43757 mg/L	11:16:42
2	Sn 189.927†	2918.0	2807.7	1.25185 mg/L	1.25185 mg/L	11:17:03
2	Tl 190.801†	1087.6	1089.8	1.29067 mg/L	1.29067 mg/L	11:17:03
2	V 292.395†	16651.7	17423.7	0.386295 mg/L	0.386295 mg/L	11:16:42
2	Zn 206.200†	4510.7	4429.1	0.417979 mg/L	0.417979 mg/L	11:17:03

Mean Data: 1000576-msd1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	235728.8	103.177	%	0.2700				0.26%
Y 360.076	160973.6	104.883	%	0.9323				0.89%
Ag 328.068†	14216.9	0.229187	mg/L	0.0011902	0.229187	mg/L	0.0011902	0.52%
Al 396.153†	151949.2	48.4234	mg/L	0.54997	48.4234	mg/L	0.54997	1.14%
As 188.979†	848.9	1.31494	mg/L	0.009709	1.31494	mg/L	0.009709	0.74%
B 249.677†	4738.6	0.253715	mg/L	0.0009588	0.253715	mg/L	0.0009588	0.38%
Ba 455.398†	361616.6	1.24279	mg/L	0.014697	1.24279	mg/L	0.014697	1.18%
Be 234.861†	8857.9	0.0273861	mg/L	0.00018111	0.0273861	mg/L	0.00018111	0.66%
Ca 315.887†	33867.6	21.2119	mg/L	0.18803	21.2119	mg/L	0.18803	0.89%
Cd 214.437†	7445.8	0.255236	mg/L	0.0008836	0.255236	mg/L	0.0008836	0.35%
Ce 413.764†	5142.3	0.131294	mg/L	0.0010533	0.131294	mg/L	0.0010533	0.80%
Co 228.616†	1816.5	0.268363	mg/L	0.0014792	0.268363	mg/L	0.0014792	0.55%
Cr 205.557†	4103.8	0.351701	mg/L	0.0008608	0.351701	mg/L	0.0008608	0.24%
Cu 327.397†	11060.8	0.340690	mg/L	0.0000124	0.340690	mg/L	0.0000124	0.00%
Fe 238.204†	110966.1	43.4782	mg/L	0.37254	43.4782	mg/L	0.37254	0.86%
K 766.490	10472.0	15.8376	mg/L	0.03538	15.8376	mg/L	0.03538	0.22%
Li 670.784†	10370.5	0.318115	mg/L	0.0036328	0.318115	mg/L	0.0036328	1.14%
Mg 279.071†	10472.3	21.5540	mg/L	0.18748	21.5540	mg/L	0.18748	0.87%
Mn 257.610†	94796.4	0.614626	mg/L	0.0000164	0.614626	mg/L	0.0000164	0.00%
Mo 202.031†	2069.2	0.255351	mg/L	0.0001340	0.255351	mg/L	0.0001340	0.05%
Na 589.592†	85358.1	13.1393	mg/L	0.16780	13.1393	mg/L	0.16780	1.28%
Ni 231.604†	3751.8	0.301406	mg/L	0.0002797	0.301406	mg/L	0.0002797	0.09%
Pb 220.353†	705.8	0.358700	mg/L	0.0000938	0.358700	mg/L	0.0000938	0.03%
Sb 217.584†	624.2	0.606296	mg/L	0.0037076	0.606296	mg/L	0.0037076	0.61%
Se 196.026†	649.4	1.40014	mg/L	0.016053	1.40014	mg/L	0.016053	1.15%
Si 251.611†	71274.5	6.42943	mg/L	0.011511	6.42943	mg/L	0.011511	0.18%
Sn 189.927†	2814.5	1.25487	mg/L	0.004279	1.25487	mg/L	0.004279	0.34%

Sr 407.771†	255778.3	0.329351 mg/L	0.0036765	0.329351 mg/L	0.0036765	1.12%
Ti 334.940†	27600.2	1.79493 mg/L	0.012727	1.79493 mg/L	0.012727	0.71%
Tl 190.801†	1088.2	1.28892 mg/L	0.002481	1.28892 mg/L	0.002481	0.19%
V 292.395†	17414.6	0.386035 mg/L	0.0003681	0.386035 mg/L	0.0003681	0.10%
Zn 206.200†	4432.1	0.418242 mg/L	0.0003710	0.418242 mg/L	0.0003710	0.09%

Sequence No.: 28
Sample ID: 0A27004-srd1
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 28
Date Collected: 1/27/2010 11:19:59 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A27004-srd1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	154170.9	154170.9	100.451	%			11:21:04
1	Al 396.153†	23406.2	23105.9	7.35349	mg/L	36.7674	mg/L	11:21:04
1	Ba 455.398†	55678.7	55432.0	0.191424	mg/L	0.957120	mg/L	11:21:04
1	Ca 315.887†	2815.8	2672.1	1.66587	mg/L	8.32933	mg/L	11:21:24
1	Fe 238.204†	20488.7	20364.5	7.97941	mg/L	39.8971	mg/L	11:21:04
1	K 766.490	307.0	326.8	0.456430	mg/L	2.28215	mg/L	11:21:24
1	Li 670.784†	358.5	377.9	0.0129464	mg/L	0.0647321	mg/L	11:21:24
1	Mg 279.071†	720.5	703.1	1.45032	mg/L	7.25160	mg/L	11:21:24
1	Na 589.592†	1180.3	399.3	0.0634379	mg/L	0.317190	mg/L	11:21:04
1	Sr 407.771†	9892.3	9193.5	0.0126607	mg/L	0.0633033	mg/L	11:21:04
1	Ti 334.940†	5459.8	5441.3	0.355682	mg/L	1.77841	mg/L	11:21:24
1	Sc 357.234	227678.9	227678.9	99.6540	%			11:21:55
1	Ag 328.068†	-286.8	-261.6	-0.0012306	mg/L	-0.0061531	mg/L	11:21:55
1	As 188.979†	-16.9	3.1	0.0023869	mg/L	0.0119344	mg/L	11:22:15
1	B 249.677†	373.6	-22.8	-0.0062247	mg/L	-0.0311237	mg/L	11:22:15
1	Be 234.861†	-168.3	625.9	0.0002563	mg/L	0.0012814	mg/L	11:21:55
1	Cd 214.437†	254.9	56.4	-0.0006325	mg/L	-0.0031627	mg/L	11:22:15
1	Ce 413.764†	1371.2	1052.9	0.0268788	mg/L	0.134394	mg/L	11:21:55
1	Co 228.616†	-49.9	23.5	0.0019411	mg/L	0.0097053	mg/L	11:22:15
1	Cr 205.557†	166.0	189.8	0.0164598	mg/L	0.0822989	mg/L	11:22:15
1	Cu 327.397†	771.2	519.0	0.0130717	mg/L	0.0653587	mg/L	11:21:55
1	Mn 257.610†	9656.1	9508.1	0.0616212	mg/L	0.308106	mg/L	11:21:55
1	Mo 202.031†	89.4	8.5	0.0019642	mg/L	0.0098212	mg/L	11:22:15
1	Ni 231.604†	533.8	97.1	0.0069585	mg/L	0.0347924	mg/L	11:22:15
1	Pb 220.353†	13.4	38.3	0.0222115	mg/L	0.111057	mg/L	11:22:15
1	Sb 217.584†	-96.0	-43.3	-0.0059983	mg/L	-0.0299913	mg/L	11:22:15
1	Se 196.026†	-39.3	0.8	0.0045360	mg/L	0.0226801	mg/L	11:22:15
1	Si 251.611†	14153.1	13473.9	1.22310	mg/L	6.11551	mg/L	11:21:55
1	Sn 189.927†	7.5	-7.7	0.0000626	mg/L	0.0003132	mg/L	11:22:15
1	Tl 190.801†	-36.5	1.0	0.0070682	mg/L	0.0353409	mg/L	11:22:15
1	V 292.395†	-74.9	1239.4	0.0269163	mg/L	0.134581	mg/L	11:22:15
1	Zn 206.200†	229.8	295.9	0.0268946	mg/L	0.134473	mg/L	11:22:15
2	Y 360.076	154044.2	154044.2	100.368	%			11:21:29
2	Al 396.153†	23562.0	23280.3	7.40906	mg/L	37.0453	mg/L	11:21:29
2	Ba 455.398†	55991.8	55789.5	0.192652	mg/L	0.963258	mg/L	11:21:29
2	Ca 315.887†	2792.0	2650.7	1.65245	mg/L	8.26227	mg/L	11:21:49
2	Fe 238.204†	20626.3	20518.3	8.03968	mg/L	40.1984	mg/L	11:21:29
2	K 766.490	296.2	316.1	0.440159	mg/L	2.20080	mg/L	11:21:49
2	Li 670.784†	372.7	392.4	0.0133881	mg/L	0.0669405	mg/L	11:21:49
2	Mg 279.071†	706.1	689.2	1.42188	mg/L	7.10941	mg/L	11:21:49
2	Na 589.592†	1192.6	412.6	0.0654798	mg/L	0.327399	mg/L	11:21:29
2	Sr 407.771†	9946.0	9255.0	0.0127397	mg/L	0.0636987	mg/L	11:21:29
2	Ti 334.940†	5426.4	5412.5	0.353813	mg/L	1.76907	mg/L	11:21:49
2	Sc 357.234	228040.1	228040.1	99.8121	%			11:22:20
2	Ag 328.068†	-362.4	-337.0	-0.0023994	mg/L	-0.0119968	mg/L	11:22:20
2	As 188.979†	-19.9	0.1	-0.0022187	mg/L	-0.0110935	mg/L	11:22:40
2	B 249.677†	357.6	-39.4	-0.0071165	mg/L	-0.0355823	mg/L	11:22:40
2	Be 234.861†	-177.7	616.7	0.0001919	mg/L	0.0009594	mg/L	11:22:20
2	Cd 214.437†	246.7	47.7	-0.0009573	mg/L	-0.0047866	mg/L	11:22:40
2	Ce 413.764†	1323.5	1003.0	0.0255982	mg/L	0.127991	mg/L	11:22:20
2	Co 228.616†	-49.6	23.8	0.0019927	mg/L	0.0099636	mg/L	11:22:40
2	Cr 205.557†	168.4	191.9	0.0166447	mg/L	0.0832233	mg/L	11:22:40
2	Cu 327.397†	764.2	510.8	0.0128138	mg/L	0.0640690	mg/L	11:22:20
2	Mn 257.610†	9721.8	9558.6	0.0619505	mg/L	0.309752	mg/L	11:22:20

2	Mo 202.031†	98.6	17.6	0.0030841 mg/L	0.0154204 mg/L	11:22:40
2	Ni 231.604†	536.7	99.1	0.0071256 mg/L	0.0356278 mg/L	11:22:40
2	Pb 220.353†	6.7	31.6	0.0188099 mg/L	0.0940495 mg/L	11:22:40
2	Sb 217.584†	-94.8	-42.0	-0.0048199 mg/L	-0.0240994 mg/L	11:22:40
2	Se 196.026†	-53.3	-13.1	-0.0245171 mg/L	-0.122586 mg/L	11:22:40
2	Si 251.611†	14142.7	13441.0	1.22019 mg/L	6.10093 mg/L	11:22:20
2	Sn 189.927†	6.3	-8.9	-0.0004680 mg/L	-0.0023402 mg/L	11:22:40
2	Tl 190.801†	-36.4	1.1	0.0071372 mg/L	0.0356860 mg/L	11:22:40
2	V 292.395†	-74.8	1239.7	0.0269239 mg/L	0.134619 mg/L	11:22:40
2	Zn 206.200†	227.8	293.6	0.0266702 mg/L	0.133351 mg/L	11:22:40

Mean Data: 0A27004-srd1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	227859.5	99.7330	%	0.11179				0.11%
Y 360.076	154107.6	100.410	%	0.0584				0.06%
Ag 328.068†	-299.3	-0.0018150	mg/L	0.00082641	-0.0090749	mg/L	0.00413206	45.53%
Al 396.153†	23193.1	7.38127	mg/L	0.039294	36.9064	mg/L	0.19647	0.53%
As 188.979†	1.6	0.0000841	mg/L	0.00325663	0.0004204	mg/L	0.01628315	>999.9%
B 249.677†	-31.1	-0.0066706	mg/L	0.00063055	-0.0333530	mg/L	0.00315274	9.45%
Ba 455.398†	55610.8	0.192038	mg/L	0.0008681	0.960189	mg/L	0.0043405	0.45%
Be 234.861†	621.3	0.0002241	mg/L	0.00004554	0.0011204	mg/L	0.00022769	20.32%
Ca 315.887†	2661.4	1.65916	mg/L	0.009484	8.29580	mg/L	0.047421	0.57%
Cd 214.437†	52.1	-0.0007949	mg/L	0.00022964	-0.0039746	mg/L	0.00114821	28.89%
Ce 413.764†	1028.0	0.0262385	mg/L	0.00090552	0.131192	mg/L	0.0045276	3.45%
Co 228.616†	23.7	0.0019669	mg/L	0.00003654	0.0098344	mg/L	0.00018271	1.86%
Cr 205.557†	190.9	0.0165522	mg/L	0.00013073	0.0827611	mg/L	0.00065364	0.79%
Cu 327.397†	514.9	0.0129428	mg/L	0.00018240	0.0647138	mg/L	0.00091198	1.41%
Fe 238.204†	20441.4	8.00955	mg/L	0.042613	40.0477	mg/L	0.21307	0.53%
K 766.490	321.4	0.448295	mg/L	0.0115054	2.24147	mg/L	0.057527	2.57%
Li 670.784†	385.2	0.0131673	mg/L	0.00031231	0.0658363	mg/L	0.00156153	2.37%
Mg 279.071†	696.1	1.43610	mg/L	0.020108	7.18051	mg/L	0.100542	1.40%
Mn 257.610†	9533.4	0.0617858	mg/L	0.00023280	0.308929	mg/L	0.0011640	0.38%
Mo 202.031†	13.0	0.0025242	mg/L	0.00079184	0.0126208	mg/L	0.00395921	31.37%
Na 589.592†	406.0	0.0644589	mg/L	0.00144381	0.322294	mg/L	0.0072191	2.24%
Ni 231.604†	98.1	0.0070420	mg/L	0.00011814	0.0352101	mg/L	0.00059072	1.68%
Pb 220.353†	35.0	0.0205107	mg/L	0.00240527	0.102553	mg/L	0.0120263	11.73%
Sb 217.584†	-42.7	-0.0054091	mg/L	0.00083323	-0.0270453	mg/L	0.00416617	15.40%
Se 196.026†	-6.2	-0.0099905	mg/L	0.02054366	-0.0499527	mg/L	0.10271830	205.63%
Si 251.611†	13457.4	1.22164	mg/L	0.002062	6.10822	mg/L	0.010312	0.17%
Sn 189.927†	-8.3	-0.0002027	mg/L	0.00037524	-0.0010135	mg/L	0.00187620	185.12%
Sr 407.771†	9224.2	0.0127002	mg/L	0.00005591	0.0635010	mg/L	0.00027957	0.44%
Ti 334.940†	5426.9	0.354748	mg/L	0.0013217	1.77374	mg/L	0.006608	0.37%
Tl 190.801†	1.1	0.0071027	mg/L	0.00004881	0.0355134	mg/L	0.00024405	0.69%
V 292.395†	1239.6	0.0269201	mg/L	0.00000535	0.134600	mg/L	0.0000268	0.02%
Zn 206.200†	294.8	0.0267824	mg/L	0.00015867	0.133912	mg/L	0.0007934	0.59%

==========

Sequence No.: 29
Sample ID: 1000576-ps1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 1/27/2010 11:23:53 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000576-ps1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	158749.5	158749.5	103.434	%			11:25:03
1	Al 396.153†	122920.8	118644.5	37.8069	mg/L	37.8069	mg/L	11:24:58
1	Ba 455.398†	356142.9	344321.7	1.18341	mg/L	1.18341	mg/L	11:24:58
1	Ca 315.887†	34016.8	32756.3	20.5156	mg/L	20.5156	mg/L	11:25:03
1	Fe 238.204†	105409.0	101877.0	39.9170	mg/L	39.9170	mg/L	11:25:03
1	K 766.490	9620.8	9640.6	14.5771	mg/L	14.5771	mg/L	11:25:03
1	Li 670.784†	9960.0	9650.4	0.296123	mg/L	0.296123	mg/L	11:25:03
1	Mg 279.071†	9699.7	9363.4	19.2721	mg/L	19.2721	mg/L	11:25:03
1	Na 589.592†	85202.4	81597.9	12.5606	mg/L	12.5606	mg/L	11:25:03
1	Sr 407.771†	244202.9	235440.7	0.303231	mg/L	0.303231	mg/L	11:24:58
1	Ti 334.940†	31604.6	30561.3	1.98726	mg/L	1.98726	mg/L	11:25:03
1	Sc 357.234	238503.1	238503.1	104.392	%			11:25:19

1	Ag 328.068†	13878.4	13320.7	0.214718 mg/L	0.214718 mg/L	11:25:19
1	As 188.979†	817.2	802.9	1.24176 mg/L	1.24176 mg/L	11:25:39
1	B 249.677†	5095.7	4483.6	0.239416 mg/L	0.239416 mg/L	11:25:39
1	Be 234.861†	7783.2	8250.5	0.0257535 mg/L	0.0257535 mg/L	11:25:19
1	Cd 214.437†	7462.4	6949.1	0.238893 mg/L	0.238893 mg/L	11:25:39
1	Ce 413.764†	5147.4	4607.9	0.117512 mg/L	0.117512 mg/L	11:25:19
1	Co 228.616†	1700.3	1702.4	0.250820 mg/L	0.250820 mg/L	11:25:39
1	Cr 205.557†	3922.7	3780.9	0.324000 mg/L	0.324000 mg/L	11:25:39
1	Cu 327.397†	11036.5	10317.4	0.317766 mg/L	0.317766 mg/L	11:25:19
1	Mn 257.610†	86861.6	83025.9	0.538357 mg/L	0.538357 mg/L	11:25:19
1	Mo 202.031†	2148.7	1977.1	0.244020 mg/L	0.244020 mg/L	11:25:39
1	Ni 231.604†	4051.3	3442.3	0.276482 mg/L	0.276482 mg/L	11:25:39
1	Pb 220.353†	694.3	690.0	0.350926 mg/L	0.350926 mg/L	11:25:39
1	Sb 217.584†	1369.4	1364.7	1.15603 mg/L	1.15603 mg/L	11:25:39
1	Se 196.026†	591.3	606.6	1.30658 mg/L	1.30658 mg/L	11:25:39
1	Si 251.611†	84413.2	80133.6	7.22583 mg/L	7.22583 mg/L	11:25:19
1	Sn 189.927†	2810.2	2676.8	1.19371 mg/L	1.19371 mg/L	11:25:39
1	Tl 190.801†	1010.1	1005.2	1.19387 mg/L	1.19387 mg/L	11:25:39
1	V 292.395†	15884.9	16531.3	0.366581 mg/L	0.366581 mg/L	11:25:19
1	Zn 206.200†	4028.6	3924.5	0.370309 mg/L	0.370309 mg/L	11:25:39
2	Y 360.076	161056.6	161056.6	104.937 %		11:25:13
2	Al 396.153†	123290.2	117294.1	37.3763 mg/L	37.3763 mg/L	11:25:08
2	Ba 455.398†	357793.8	340962.6	1.17187 mg/L	1.17187 mg/L	11:25:08
2	Ca 315.887†	34007.0	32275.9	20.2146 mg/L	20.2146 mg/L	11:25:13
2	Fe 238.204†	105565.2	100566.1	39.4033 mg/L	39.4033 mg/L	11:25:13
2	K 766.490	9550.0	9569.8	14.4697 mg/L	14.4697 mg/L	11:25:13
2	Li 670.784†	9919.3	9473.6	0.290726 mg/L	0.290726 mg/L	11:25:13
2	Mg 279.071†	9744.8	9272.1	19.0842 mg/L	19.0842 mg/L	11:25:13
2	Na 589.592†	85123.2	80342.5	12.3674 mg/L	12.3674 mg/L	11:25:13
2	Sr 407.771†	245334.0	233136.5	0.300272 mg/L	0.300272 mg/L	11:25:08
2	Ti 334.940†	31508.6	30032.1	1.95288 mg/L	1.95288 mg/L	11:25:13
2	Sc 357.234	238953.1	238953.1	104.589 %		11:25:44
2	Ag 328.068†	13672.0	13098.3	0.211192 mg/L	0.211192 mg/L	11:25:44
2	As 188.979†	815.3	799.6	1.23681 mg/L	1.23681 mg/L	11:26:05
2	B 249.677†	5164.3	4540.1	0.242434 mg/L	0.242434 mg/L	11:26:05
2	Be 234.861†	7679.6	8137.4	0.0253887 mg/L	0.0253887 mg/L	11:25:44
2	Cd 214.437†	7484.2	6956.4	0.239274 mg/L	0.239274 mg/L	11:26:05
2	Ce 413.764†	5169.5	4619.7	0.117828 mg/L	0.117828 mg/L	11:25:44
2	Co 228.616†	1707.5	1706.2	0.251489 mg/L	0.251489 mg/L	11:26:05
2	Cr 205.557†	3937.2	3787.6	0.324547 mg/L	0.324547 mg/L	11:26:05
2	Cu 327.397†	11001.4	10263.9	0.316086 mg/L	0.316086 mg/L	11:25:44
2	Mn 257.610†	86152.2	82190.9	0.532937 mg/L	0.532937 mg/L	11:25:44
2	Mo 202.031†	2177.9	2001.1	0.246971 mg/L	0.246971 mg/L	11:26:05
2	Ni 231.604†	4030.7	3415.3	0.274310 mg/L	0.274310 mg/L	11:26:05
2	Pb 220.353†	689.5	684.2	0.347981 mg/L	0.347981 mg/L	11:26:05
2	Sb 217.584†	1383.4	1375.7	1.16279 mg/L	1.16279 mg/L	11:26:05
2	Se 196.026†	590.3	604.6	1.30170 mg/L	1.30170 mg/L	11:26:05
2	Si 251.611†	83812.8	79407.3	7.16082 mg/L	7.16082 mg/L	11:25:44
2	Sn 189.927†	2830.5	2691.2	1.20001 mg/L	1.20001 mg/L	11:26:05
2	Tl 190.801†	1016.8	1009.8	1.19892 mg/L	1.19892 mg/L	11:26:05
2	V 292.395†	15733.1	16357.5	0.362817 mg/L	0.362817 mg/L	11:25:44
2	Zn 206.200†	4058.6	3945.9	0.372404 mg/L	0.372404 mg/L	11:26:05

Mean Data: 1000576-ps1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	238728.1	104.490	%	0.1393				0.13%
Y 360.076	159903.1	104.186	%	1.0629				1.02%
Ag 328.068†	13209.5	0.212955	mg/L	0.0024929	0.212955	mg/L	0.0024929	1.17%
Al 396.153†	117969.3	37.5916	mg/L	0.30445	37.5916	mg/L	0.30445	0.81%
As 188.979†	801.2	1.23929	mg/L	0.003502	1.23929	mg/L	0.003502	0.28%
B 249.677†	4511.9	0.240925	mg/L	0.0021340	0.240925	mg/L	0.0021340	0.89%
Ba 455.398†	342642.2	1.17764	mg/L	0.008156	1.17764	mg/L	0.008156	0.69%
Be 234.861†	8193.9	0.0255711	mg/L	0.00025796	0.0255711	mg/L	0.00025796	1.01%
Ca 315.887†	32516.1	20.3651	mg/L	0.21287	20.3651	mg/L	0.21287	1.05%
Cd 214.437†	6952.7	0.239083	mg/L	0.0002700	0.239083	mg/L	0.0002700	0.11%
Ce 413.764†	4613.8	0.117670	mg/L	0.0002231	0.117670	mg/L	0.0002231	0.19%
Co 228.616†	1704.3	0.251154	mg/L	0.0004730	0.251154	mg/L	0.0004730	0.19%
Cr 205.557†	3784.3	0.324274	mg/L	0.0003864	0.324274	mg/L	0.0003864	0.12%
Cu 327.397†	10290.6	0.316926	mg/L	0.0011877	0.316926	mg/L	0.0011877	0.37%

Fe 238.204†	101221.6	39.6601 mg/L	0.36320	39.6601 mg/L	0.36320	0.92%
K 766.490	9605.2	14.5234 mg/L	0.07589	14.5234 mg/L	0.07589	0.52%
Li 670.784†	9562.0	0.293424 mg/L	0.0038168	0.293424 mg/L	0.0038168	1.30%
Mg 279.071†	9317.7	19.1782 mg/L	0.13286	19.1782 mg/L	0.13286	0.69%
Mn 257.610†	82608.4	0.535647 mg/L	0.0038325	0.535647 mg/L	0.0038325	0.72%
Mo 202.031†	1989.1	0.245495 mg/L	0.0020872	0.245495 mg/L	0.0020872	0.85%
Na 589.592†	80970.2	12.4640 mg/L	0.13662	12.4640 mg/L	0.13662	1.10%
Ni 231.604†	3428.8	0.275396 mg/L	0.0015354	0.275396 mg/L	0.0015354	0.56%
Pb 220.353†	687.1	0.349454 mg/L	0.0020821	0.349454 mg/L	0.0020821	0.60%
Sb 217.584†	1370.2	1.15941 mg/L	0.004775	1.15941 mg/L	0.004775	0.41%
Se 196.026†	605.6	1.30414 mg/L	0.003453	1.30414 mg/L	0.003453	0.26%
Si 251.611†	79770.5	7.19333 mg/L	0.045972	7.19333 mg/L	0.045972	0.64%
Sn 189.927†	2684.0	1.19686 mg/L	0.004461	1.19686 mg/L	0.004461	0.37%
Sr 407.771†	234288.6	0.301752 mg/L	0.0020925	0.301752 mg/L	0.0020925	0.69%
Ti 334.940†	30296.7	1.97007 mg/L	0.024305	1.97007 mg/L	0.024305	1.23%
Tl 190.801†	1007.5	1.19640 mg/L	0.003569	1.19640 mg/L	0.003569	0.30%
V 292.395†	16444.4	0.364699 mg/L	0.0026613	0.364699 mg/L	0.0026613	0.73%
Zn 206.200†	3935.2	0.371356 mg/L	0.0014815	0.371356 mg/L	0.0014815	0.40%

Sequence No.: 30 **Autosampler Location: 30**
Sample ID: 1001254-10 **Date Collected: 1/27/2010 11:29:01 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1001254-10

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	162976.2	162976.2	106.188	%			11:30:11
1	Al 396.153†	256355.2	241221.0	76.9176	mg/L	76.9176	mg/L	11:30:06
1	Ba 455.398†	388943.9	366281.6	1.25881	mg/L	1.25881	mg/L	11:30:06
1	Ca 315.887†	284409.4	267704.5	167.726	mg/L	167.726	mg/L	11:30:06
1	Fe 238.204†	180310.8	169771.0	66.5165	mg/L	66.5165	mg/L	11:30:06
1	K 766.490	2001.5	2021.3	3.02543	mg/L	3.02543	mg/L	11:30:11
1	Li 670.784†	2738.5	2599.9	0.0808055	mg/L	0.0808055	mg/L	11:30:11
1	Mg 279.071†	34881.5	32834.5	67.5725	mg/L	67.5725	mg/L	11:30:11
1	Na 589.592†	5984.5	4860.1	0.749984	mg/L	0.749984	mg/L	11:30:11
1	Sr 407.771†	299396.8	281295.1	0.362122	mg/L	0.362122	mg/L	11:30:06
1	Ti 334.940†	32358.2	30478.5	1.98188	mg/L	1.98188	mg/L	11:30:11
1	Sc 357.234	235868.6	235868.6	103.239	%			11:30:27
1	Ag 328.068†	-2665.5	-2555.7	-0.0267981	mg/L	-0.0267981	mg/L	11:30:27
1	As 188.979†	24.0	43.3	0.0535695	mg/L	0.0535695	mg/L	11:30:47
1	B 249.677†	719.9	299.7	0.0167053	mg/L	0.0167053	mg/L	11:30:27
1	Be 234.861†	5498.2	6120.4	0.0063568	mg/L	0.0063568	mg/L	11:30:27
1	Cd 214.437†	668.1	447.7	-0.0019917	mg/L	-0.0019917	mg/L	11:30:47
1	Ce 413.764†	5748.5	5245.2	0.133824	mg/L	0.133824	mg/L	11:30:27
1	Co 228.616†	184.8	252.6	0.0308632	mg/L	0.0308632	mg/L	11:30:47
1	Cr 205.557†	1513.7	1489.5	0.130664	mg/L	0.130664	mg/L	11:30:47
1	Cu 327.397†	9690.2	9131.3	0.280993	mg/L	0.280993	mg/L	11:30:27
1	Mn 257.610†	284384.9	275282.3	1.78293	mg/L	1.78293	mg/L	11:30:27
1	Mo 202.031†	216.2	128.2	0.0166865	mg/L	0.0166865	mg/L	11:30:47
1	Ni 231.604†	1617.9	1128.6	0.0900210	mg/L	0.0900210	mg/L	11:30:47
1	Pb 220.353†	598.9	605.0	0.308167	mg/L	0.308167	mg/L	11:30:47
1	Sb 217.584†	-452.4	-385.2	-0.0885961	mg/L	-0.0885961	mg/L	11:30:47
1	Se 196.026†	13.1	52.9	0.182544	mg/L	0.182544	mg/L	11:30:47
1	Si 251.611†	88893.0	85376.1	7.70759	mg/L	7.70759	mg/L	11:30:27
1	Sn 189.927†	-120.5	-131.9	-0.0187520	mg/L	-0.0187520	mg/L	11:30:47
1	Tl 190.801†	-69.6	-29.8	-0.0125969	mg/L	-0.0125969	mg/L	11:30:47
1	V 292.395†	6778.7	7880.7	0.164714	mg/L	0.164714	mg/L	11:30:27
1	Zn 206.200†	9118.3	8897.6	0.841218	mg/L	0.841218	mg/L	11:30:27
2	Y 360.076	159070.1	159070.1	103.643	%			11:30:21
2	Al 396.153†	254706.6	245558.5	78.3007	mg/L	78.3007	mg/L	11:30:16
2	Ba 455.398†	386121.8	372552.9	1.28035	mg/L	1.28035	mg/L	11:30:16
2	Ca 315.887†	282071.7	272025.8	170.434	mg/L	170.434	mg/L	11:30:16
2	Fe 238.204†	178992.9	172669.0	67.6520	mg/L	67.6520	mg/L	11:30:16
2	K 766.490	1985.4	2005.2	3.00109	mg/L	3.00109	mg/L	11:30:21
2	Li 670.784†	2747.7	2672.1	0.0830104	mg/L	0.0830104	mg/L	11:30:21
2	Mg 279.071†	34631.4	33399.9	68.7359	mg/L	68.7359	mg/L	11:30:21
2	Na 589.592†	5933.2	4949.0	0.763673	mg/L	0.763673	mg/L	11:30:21

2	Sr 407.771†	297051.7	285956.0	0.368108	mg/L	0.368108 mg/L	11:30:16
2	Ti 334.940†	32068.7	30947.4	2.01234	mg/L	2.01234 mg/L	11:30:21
2	Sc 357.234	236742.5	236742.5	103.621	%		11:30:53
2	Ag 328.068†	-2704.0	-2583.3	-0.0270514	mg/L	-0.0270514 mg/L	11:30:53
2	As 188.979†	25.1	44.3	0.0548687	mg/L	0.0548687 mg/L	11:31:13
2	B 249.677†	755.1	331.1	0.0185073	mg/L	0.0185073 mg/L	11:30:53
2	Be 234.861†	5520.5	6122.3	0.0059742	mg/L	0.0059742 mg/L	11:30:53
2	Cd 214.437†	667.8	445.0	-0.0023873	mg/L	-0.0023873 mg/L	11:31:13
2	Ce 413.764†	5745.0	5221.2	0.133196	mg/L	0.133196 mg/L	11:30:53
2	Co 228.616†	186.6	253.6	0.0309122	mg/L	0.0309122 mg/L	11:31:13
2	Cr 205.557†	1506.0	1476.6	0.129642	mg/L	0.129642 mg/L	11:31:13
2	Cu 327.397†	9730.3	9135.4	0.281136	mg/L	0.281136 mg/L	11:30:53
2	Mn 257.610†	286329.6	276142.3	1.78853	mg/L	1.78853 mg/L	11:30:53
2	Mo 202.031†	235.2	145.8	0.0188469	mg/L	0.0188469 mg/L	11:31:13
2	Ni 231.604†	1620.1	1125.0	0.0897304	mg/L	0.0897304 mg/L	11:31:13
2	Pb 220.353†	584.3	588.8	0.300013	mg/L	0.300013 mg/L	11:31:13
2	Sb 217.584†	-448.3	-379.7	-0.0810141	mg/L	-0.0810141 mg/L	11:31:13
2	Se 196.026†	-12.8	27.9	0.131643	mg/L	0.131643 mg/L	11:31:13
2	Si 251.611†	89250.9	85403.7	7.70958	mg/L	7.70958 mg/L	11:30:53
2	Sn 189.927†	-121.8	-132.7	-0.0184953	mg/L	-0.0184953 mg/L	11:31:13
2	Tl 190.801†	-59.9	-20.2	-0.0011555	mg/L	-0.0011555 mg/L	11:31:13
2	V 292.395†	6768.6	7846.7	0.163746	mg/L	0.163746 mg/L	11:30:53
2	Zn 206.200†	9260.4	9002.2	0.851071	mg/L	0.851071 mg/L	11:30:53

Mean Data: 1001254-10

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	236305.5	103.430	%	0.2705				0.26%
Y 360.076	161023.2	104.916	%	1.7996				1.72%
Ag 328.068†	-2569.5	-0.0269248	mg/L	0.00017911	-0.0269248	mg/L	0.00017911	0.67%
Al 396.153†	243389.8	77.6091	mg/L	0.97806	77.6091	mg/L	0.97806	1.26%
As 188.979†	43.8	0.0542191	mg/L	0.00091870	0.0542191	mg/L	0.00091870	1.69%
B 249.677†	315.4	0.0176063	mg/L	0.00127423	0.0176063	mg/L	0.00127423	7.24%
Ba 455.398†	369417.3	1.26958	mg/L	0.015227	1.26958	mg/L	0.015227	1.20%
Be 234.861†	6121.4	0.0061655	mg/L	0.00027059	0.0061655	mg/L	0.00027059	4.39%
Ca 315.887†	269865.2	169.080	mg/L	1.9146	169.080	mg/L	1.9146	1.13%
Cd 214.437†	446.4	-0.0021895	mg/L	0.00027978	-0.0021895	mg/L	0.00027978	12.78%
Ce 413.764†	5233.2	0.133510	mg/L	0.0004437	0.133510	mg/L	0.0004437	0.33%
Co 228.616†	253.1	0.0308877	mg/L	0.00003463	0.0308877	mg/L	0.00003463	0.11%
Cr 205.557†	1483.1	0.130153	mg/L	0.0007227	0.130153	mg/L	0.0007227	0.56%
Cu 327.397†	9133.3	0.281065	mg/L	0.0001014	0.281065	mg/L	0.0001014	0.04%
Fe 238.204†	171220.0	67.0842	mg/L	0.80288	67.0842	mg/L	0.80288	1.20%
K 766.490	2013.2	3.01326	mg/L	0.017209	3.01326	mg/L	0.017209	0.57%
Li 670.784†	2636.0	0.0819080	mg/L	0.00155911	0.0819080	mg/L	0.00155911	1.90%
Mg 279.071†	33117.2	68.1542	mg/L	0.82263	68.1542	mg/L	0.82263	1.21%
Mn 257.610†	275712.3	1.78573	mg/L	0.003963	1.78573	mg/L	0.003963	0.22%
Mo 202.031†	137.0	0.0177667	mg/L	0.00152763	0.0177667	mg/L	0.00152763	8.60%
Na 589.592†	4904.5	0.756828	mg/L	0.0096793	0.756828	mg/L	0.0096793	1.28%
Ni 231.604†	1126.8	0.0898757	mg/L	0.00020551	0.0898757	mg/L	0.00020551	0.23%
Pb 220.353†	596.9	0.304090	mg/L	0.0057664	0.304090	mg/L	0.0057664	1.90%
Sb 217.584†	-382.5	-0.0848051	mg/L	0.00536129	-0.0848051	mg/L	0.00536129	6.32%
Se 196.026†	40.4	0.157093	mg/L	0.0359927	0.157093	mg/L	0.0359927	22.91%
Si 251.611†	85389.9	7.70859	mg/L	0.001409	7.70859	mg/L	0.001409	0.02%
Sn 189.927†	-132.3	-0.0186236	mg/L	0.00018147	-0.0186236	mg/L	0.00018147	0.97%
Sr 407.771†	283625.5	0.365115	mg/L	0.0042327	0.365115	mg/L	0.0042327	1.16%
Ti 334.940†	30713.0	1.99711	mg/L	0.021536	1.99711	mg/L	0.021536	1.08%
Tl 190.801†	-25.0	-0.0068762	mg/L	0.00809032	-0.0068762	mg/L	0.00809032	117.66%
V 292.395†	7863.7	0.164230	mg/L	0.0006842	0.164230	mg/L	0.0006842	0.42%
Zn 206.200†	8949.9	0.846144	mg/L	0.0069671	0.846144	mg/L	0.0069671	0.82%

Sequence No.: 31
Sample ID: 1000596-blk1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 31
Date Collected: 1/27/2010 11:34:06 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000596-blk1

	Net	Corrected	Calib.	Sample	Analysis

Repl#	Analyte	Intensity	Intensity	Conc.	Units	Conc.	Units	Time
1	Y 360.076	158788.1	158788.1	103.459	%			11:35:11
1	Al 396.153†	202.7	0.7	-0.0118070	mg/L	-0.0118070	mg/L	11:35:11
1	Ba 455.398†	-23.9	-19.8	0.0010146	mg/L	0.0010146	mg/L	11:35:11
1	Ca 315.887†	181.2	44.1	0.0192506	mg/L	0.0192506	mg/L	11:35:31
1	Fe 238.204†	51.8	17.8	0.0071387	mg/L	0.0071387	mg/L	11:35:31
1	K 766.490	27.5	47.3	0.0326358	mg/L	0.0326358	mg/L	11:35:11
1	Li 670.784†	-38.2	-15.9	0.0009199	mg/L	0.0009199	mg/L	11:35:11
1	Mg 279.071†	19.7	4.8	0.0134358	mg/L	0.0134358	mg/L	11:35:31
1	Na 589.592†	814.9	12.0	0.0038214	mg/L	0.0038214	mg/L	11:35:11
1	Sr 407.771†	692.2	14.7	0.0008723	mg/L	0.0008723	mg/L	11:35:11
1	Ti 334.940†	9.4	15.1	0.0032451	mg/L	0.0032451	mg/L	11:35:31
1	Sc 357.234	229309.5	229309.5	100.368	%			11:36:02
1	Ag 328.068†	69.9	95.8	0.0031414	mg/L	0.0031414	mg/L	11:36:02
1	As 188.979†	-20.1	-0.0	0.0000043	mg/L	0.0000043	mg/L	11:36:22
1	B 249.677†	321.5	-77.3	-0.0098360	mg/L	-0.0098360	mg/L	11:36:22
1	Be 234.861†	-781.0	16.6	0.0000753	mg/L	0.0000753	mg/L	11:36:22
1	Cd 214.437†	214.0	13.8	-0.0002498	mg/L	-0.0002498	mg/L	11:36:22
1	Ce 413.764†	425.8	101.2	0.0025954	mg/L	0.0025954	mg/L	11:36:02
1	Co 228.616†	-71.2	2.7	-0.0001435	mg/L	-0.0001435	mg/L	11:36:22
1	Cr 205.557†	-27.6	-4.2	-0.0005458	mg/L	-0.0005458	mg/L	11:36:22
1	Cu 327.397†	251.1	-4.7	-0.0033798	mg/L	-0.0033798	mg/L	11:36:02
1	Mn 257.610†	286.4	103.8	0.0004918	mg/L	0.0004918	mg/L	11:36:22
1	Mo 202.031†	86.0	4.5	0.0014757	mg/L	0.0014757	mg/L	11:36:22
1	Ni 231.604†	435.9	-4.3	-0.0011974	mg/L	-0.0011974	mg/L	11:36:22
1	Pb 220.353†	-35.2	-10.2	-0.0024193	mg/L	-0.0024193	mg/L	11:36:22
1	Sb 217.584†	-63.3	-10.2	-0.0048256	mg/L	-0.0048256	mg/L	11:36:22
1	Se 196.026†	-46.8	-6.4	-0.0199933	mg/L	-0.0199933	mg/L	11:36:22
1	Si 251.611†	351.3	-378.4	-0.0242900	mg/L	-0.0242900	mg/L	11:36:22
1	Sn 189.927†	27.8	12.5	0.0086576	mg/L	0.0086576	mg/L	11:36:22
1	Tl 190.801†	-42.7	-4.9	-0.0034178	mg/L	-0.0034178	mg/L	11:36:22
1	V 292.395†	-1327.1	-7.6	0.0005431	mg/L	0.0005431	mg/L	11:36:02
1	Zn 206.200†	6.6	72.0	0.0061941	mg/L	0.0061941	mg/L	11:36:22
2	Y 360.076	158715.3	158715.3	103.412	%			11:35:36
2	Al 396.153†	210.3	8.2	-0.0094411	mg/L	-0.0094411	mg/L	11:35:36
2	Ba 455.398†	-23.2	-19.2	0.0010169	mg/L	0.0010169	mg/L	11:35:36
2	Ca 315.887†	177.0	40.1	0.0167470	mg/L	0.0167470	mg/L	11:35:56
2	Fe 238.204†	50.8	16.9	0.0067712	mg/L	0.0067712	mg/L	11:35:56
2	K 766.490	-0.3	19.5	-0.0094509	mg/L	-0.0094509	mg/L	11:35:36
2	Li 670.784†	-25.8	-3.9	0.0012857	mg/L	0.0012857	mg/L	11:35:36
2	Mg 279.071†	14.3	-0.4	0.0026392	mg/L	0.0026392	mg/L	11:35:56
2	Na 589.592†	796.4	-5.6	0.0011241	mg/L	0.0011241	mg/L	11:35:36
2	Sr 407.771†	639.2	-36.3	0.0008068	mg/L	0.0008068	mg/L	11:35:36
2	Ti 334.940†	13.5	19.1	0.0035037	mg/L	0.0035037	mg/L	11:35:56
2	Sc 357.234	230297.6	230297.6	100.800	%			11:36:27
2	Ag 328.068†	18.9	45.0	0.0023504	mg/L	0.0023504	mg/L	11:36:27
2	As 188.979†	-23.5	-3.3	-0.0051094	mg/L	-0.0051094	mg/L	11:36:47
2	B 249.677†	299.5	-100.5	-0.0110847	mg/L	-0.0110847	mg/L	11:36:47
2	Be 234.861†	-817.3	-16.1	-0.0000811	mg/L	-0.0000811	mg/L	11:36:47
2	Cd 214.437†	206.5	5.5	-0.0005507	mg/L	-0.0005507	mg/L	11:36:47
2	Ce 413.764†	416.5	90.1	0.0023110	mg/L	0.0023110	mg/L	11:36:27
2	Co 228.616†	-83.9	-9.7	-0.0020127	mg/L	-0.0020127	mg/L	11:36:47
2	Cr 205.557†	-23.0	0.4	-0.0001493	mg/L	-0.0001493	mg/L	11:36:47
2	Cu 327.397†	278.6	21.5	-0.0025656	mg/L	-0.0025656	mg/L	11:36:27
2	Mn 257.610†	279.9	96.2	0.0004424	mg/L	0.0004424	mg/L	11:36:47
2	Mo 202.031†	89.5	7.5	0.0018510	mg/L	0.0018510	mg/L	11:36:47
2	Ni 231.604†	451.9	9.8	-0.0000650	mg/L	-0.0000650	mg/L	11:36:47
2	Pb 220.353†	-34.7	-9.5	-0.0020626	mg/L	-0.0020626	mg/L	11:36:47
2	Sb 217.584†	-55.8	-2.4	0.0010503	mg/L	0.0010503	mg/L	11:36:47
2	Se 196.026†	-49.5	-8.9	-0.0251873	mg/L	-0.0251873	mg/L	11:36:47
2	Si 251.611†	362.3	-369.0	-0.0234470	mg/L	-0.0234470	mg/L	11:36:47
2	Sn 189.927†	28.5	13.1	0.0089144	mg/L	0.0089144	mg/L	11:36:47
2	Tl 190.801†	-42.0	-4.0	-0.0024177	mg/L	-0.0024177	mg/L	11:36:47
2	V 292.395†	-1271.6	53.1	0.0019121	mg/L	0.0019121	mg/L	11:36:27
2	Zn 206.200†	4.1	69.4	0.0059518	mg/L	0.0059518	mg/L	11:36:47

Mean Data: 1000596-blk1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	229803.6	100.584	%	0.3058				0.30%

Y 360.076	158751.7	103.436 %	0.0335				0.03%
Ag 328.068†	70.4	0.0027459 mg/L	0.00055935	0.0027459 mg/L	0.00055935	20.37%	
Al 396.153†	4.5	-0.0106241 mg/L	0.00167292	-0.0106241 mg/L	0.00167292	15.75%	
As 188.979†	-1.7	-0.0025526 mg/L	0.00361589	-0.0025526 mg/L	0.00361589	141.66%	
B 249.677†	-88.9	-0.0104603 mg/L	0.00088298	-0.0104603 mg/L	0.00088298	8.44%	
Ba 455.398†	-19.5	0.0010157 mg/L	0.00000159	0.0010157 mg/L	0.00000159	0.16%	
Be 234.861†	0.2	-0.0000029 mg/L	0.00011064	-0.0000029 mg/L	0.00011064	>999.9%	
Ca 315.887†	42.1	0.0179988 mg/L	0.00177032	0.0179988 mg/L	0.00177032	9.84%	
Cd 214.437†	9.7	-0.0004003 mg/L	0.00021274	-0.0004003 mg/L	0.00021274	53.15%	
Ce 413.764†	95.7	0.0024532 mg/L	0.00020108	0.0024532 mg/L	0.00020108	8.20%	
Co 228.616†	-3.5	-0.0010781 mg/L	0.00132167	-0.0010781 mg/L	0.00132167	122.59%	
Cr 205.557†	-1.9	-0.0003476 mg/L	0.00028038	-0.0003476 mg/L	0.00028038	80.66%	
Cu 327.397†	8.4	-0.0029727 mg/L	0.00057577	-0.0029727 mg/L	0.00057577	19.37%	
Fe 238.204†	17.4	0.0069549 mg/L	0.00025986	0.0069549 mg/L	0.00025986	3.74%	
K 766.490	33.4	0.0115924 mg/L	0.02975979	0.0115924 mg/L	0.02975979	256.72%	
Li 670.784†	-9.9	0.0011028 mg/L	0.00025864	0.0011028 mg/L	0.00025864	23.45%	
Mg 279.071†	2.2	0.0080375 mg/L	0.00763437	0.0080375 mg/L	0.00763437	94.98%	
Mn 257.610†	100.0	0.0004671 mg/L	0.00003497	0.0004671 mg/L	0.00003497	7.49%	
Mo 202.031†	6.0	0.0016633 mg/L	0.00026538	0.0016633 mg/L	0.00026538	15.95%	
Na 589.592†	3.2	0.0024727 mg/L	0.00190722	0.0024727 mg/L	0.00190722	77.13%	
Ni 231.604†	2.8	-0.0006312 mg/L	0.00080071	-0.0006312 mg/L	0.00080071	126.85%	
Pb 220.353†	-9.8	-0.0022409 mg/L	0.00025220	-0.0022409 mg/L	0.00025220	11.25%	
Sb 217.584†	-6.3	-0.0018876 mg/L	0.00415489	-0.0018876 mg/L	0.00415489	220.11%	
Se 196.026†	-7.7	-0.0225903 mg/L	0.00367267	-0.0225903 mg/L	0.00367267	16.26%	
Si 251.611†	-373.7	-0.0238685 mg/L	0.00059606	-0.0238685 mg/L	0.00059606	2.50%	
Sn 189.927†	12.8	0.0087860 mg/L	0.00018163	0.0087860 mg/L	0.00018163	2.07%	
Sr 407.771†	-10.8	0.0008395 mg/L	0.00004629	0.0008395 mg/L	0.00004629	5.51%	
Ti 334.940†	17.1	0.0033744 mg/L	0.00018281	0.0033744 mg/L	0.00018281	5.42%	
Tl 190.801†	-4.5	-0.0029177 mg/L	0.00070715	-0.0029177 mg/L	0.00070715	24.24%	
V 292.395†	22.8	0.0012276 mg/L	0.00096803	0.0012276 mg/L	0.00096803	78.85%	
Zn 206.200†	70.7	0.0060729 mg/L	0.00017140	0.0060729 mg/L	0.00017140	2.82%	

Sequence No.: 32
Sample ID: 1000596-bs1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 1/27/2010 11:38:03 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000596-bs1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	157703.5	157703.5	102.753	%			11:39:08
1	Al 396.153†	4265.4	3955.9	1.24699	mg/L	1.24699	mg/L	11:39:28
1	Ba 455.398†	75772.9	73746.3	0.254311	mg/L	0.254311	mg/L	11:39:08
1	Ca 315.887†	20771.4	20083.9	12.5755	mg/L	12.5755	mg/L	11:39:08
1	Fe 238.204†	719.2	667.7	0.260893	mg/L	0.260893	mg/L	11:39:28
1	K 766.490	8261.1	8280.9	12.5156	mg/L	12.5156	mg/L	11:39:08
1	Li 670.784†	8461.2	8255.6	0.253527	mg/L	0.253527	mg/L	11:39:08
1	Mg 279.071†	6379.2	6194.1	12.7501	mg/L	12.7501	mg/L	11:39:28
1	Na 589.592†	84746.3	81700.5	12.5764	mg/L	12.5764	mg/L	11:39:08
1	Sr 407.771†	203562.5	197454.9	0.254446	mg/L	0.254446	mg/L	11:39:08
1	Ti 334.940†	4075.2	3972.0	0.260253	mg/L	0.260253	mg/L	11:39:28
1	Sc 357.234	232979.2	232979.2	101.974	%			11:39:59
1	Ag 328.068†	15603.7	15327.8	0.240061	mg/L	0.240061	mg/L	11:39:59
1	As 188.979†	806.3	810.7	1.26640	mg/L	1.26640	mg/L	11:40:19
1	B 249.677†	4801.5	4310.9	0.226741	mg/L	0.226741	mg/L	11:39:59
1	Be 234.861†	4539.8	5246.6	0.0249807	mg/L	0.0249807	mg/L	11:40:19
1	Cd 214.437†	7303.4	6962.6	0.248865	mg/L	0.248865	mg/L	11:40:19
1	Ce 413.764†	426.9	95.6	0.0024020	mg/L	0.0024020	mg/L	11:39:59
1	Co 228.616†	1630.2	1672.2	0.251515	mg/L	0.251515	mg/L	11:40:19
1	Cr 205.557†	3015.3	2980.1	0.253403	mg/L	0.253403	mg/L	11:40:19
1	Cu 327.397†	8473.5	8054.6	0.246563	mg/L	0.246563	mg/L	11:39:59
1	Mn 257.610†	39645.5	38696.6	0.250131	mg/L	0.250131	mg/L	11:39:59
1	Mo 202.031†	2228.7	2104.4	0.259670	mg/L	0.259670	mg/L	11:40:19
1	Ni 231.604†	3606.8	3098.4	0.248825	mg/L	0.248825	mg/L	11:40:19
1	Pb 220.353†	475.8	491.5	0.250012	mg/L	0.250012	mg/L	11:40:19
1	Sb 217.584†	1649.5	1670.6	1.26843	mg/L	1.26843	mg/L	11:40:19
1	Se 196.026†	565.5	594.8	1.23473	mg/L	1.23473	mg/L	11:40:19
1	Si 251.611†	10733.2	9797.0	0.890616	mg/L	0.890616	mg/L	11:39:59

1	Sn 189.927†	2915.5	2843.9	1.26601 mg/L	1.26601 mg/L	11:40:19
1	Tl 190.801†	1056.9	1074.1	1.25675 mg/L	1.25675 mg/L	11:40:19
1	V 292.395†	10014.6	11135.4	0.253725 mg/L	0.253725 mg/L	11:39:59
1	Zn 206.200†	2712.1	2725.0	0.259165 mg/L	0.259165 mg/L	11:40:19
2	Y 360.076	158646.6	158646.6	103.367 %		11:39:33
2	Al 396.153†	4281.4	3946.7	1.24401 mg/L	1.24401 mg/L	11:39:53
2	Ba 455.398†	75882.2	73413.7	0.253169 mg/L	0.253169 mg/L	11:39:33
2	Ca 315.887†	20966.6	20152.6	12.6185 mg/L	12.6185 mg/L	11:39:33
2	Fe 238.204†	733.9	677.8	0.264807 mg/L	0.264807 mg/L	11:39:53
2	K 766.490	8206.7	8226.5	12.4331 mg/L	12.4331 mg/L	11:39:33
2	Li 670.784†	8442.6	8188.6	0.251482 mg/L	0.251482 mg/L	11:39:33
2	Mg 279.071†	6459.9	6235.3	12.8349 mg/L	12.8349 mg/L	11:39:53
2	Na 589.592†	84673.1	81139.2	12.4900 mg/L	12.4900 mg/L	11:39:33
2	Sr 407.771†	203948.7	196650.8	0.253413 mg/L	0.253413 mg/L	11:39:33
2	Ti 334.940†	4130.1	4001.5	0.262167 mg/L	0.262167 mg/L	11:39:53
2	Sc 357.234	231673.3	231673.3	101.402 %		11:40:25
2	Ag 328.068†	15699.5	15508.5	0.242863 mg/L	0.242863 mg/L	11:40:25
2	As 188.979†	801.2	810.2	1.26550 mg/L	1.26550 mg/L	11:40:45
2	B 249.677†	4896.0	4430.6	0.233207 mg/L	0.233207 mg/L	11:40:25
2	Be 234.861†	4587.5	5318.8	0.0253245 mg/L	0.0253245 mg/L	11:40:45
2	Cd 214.437†	7351.4	7050.3	0.252010 mg/L	0.252010 mg/L	11:40:45
2	Ce 413.764†	369.7	41.6	0.0010167 mg/L	0.0010167 mg/L	11:40:25
2	Co 228.616†	1639.7	1690.6	0.254280 mg/L	0.254280 mg/L	11:40:45
2	Cr 205.557†	3021.6	3003.1	0.255355 mg/L	0.255355 mg/L	11:40:45
2	Cu 327.397†	8546.0	8173.0	0.250232 mg/L	0.250232 mg/L	11:40:25
2	Mn 257.610†	39821.4	39089.3	0.252671 mg/L	0.252671 mg/L	11:40:25
2	Mo 202.031†	2251.0	2138.7	0.263890 mg/L	0.263890 mg/L	11:40:45
2	Ni 231.604†	3629.3	3140.5	0.252220 mg/L	0.252220 mg/L	11:40:45
2	Pb 220.353†	485.1	503.3	0.255952 mg/L	0.255952 mg/L	11:40:45
2	Sb 217.584†	1658.7	1688.7	1.28219 mg/L	1.28219 mg/L	11:40:45
2	Se 196.026†	565.6	598.0	1.24143 mg/L	1.24143 mg/L	11:40:45
2	Si 251.611†	10781.4	9903.9	0.900248 mg/L	0.900248 mg/L	11:40:25
2	Sn 189.927†	2944.9	2889.0	1.28601 mg/L	1.28601 mg/L	11:40:45
2	Tl 190.801†	1064.9	1087.8	1.27274 mg/L	1.27274 mg/L	11:40:45
2	V 292.395†	9964.6	11141.4	0.253903 mg/L	0.253903 mg/L	11:40:25
2	Zn 206.200†	2742.6	2770.0	0.263464 mg/L	0.263464 mg/L	11:40:45

Mean Data: 1000596-bs1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	232326.3	101.688	%	0.4042				0.40%
Y 360.076	158175.0	103.060	%	0.4345				0.42%
Ag 328.068†	15418.2	0.241462	mg/L	0.0019816	0.241462	mg/L	0.0019816	0.82%
Al 396.153†	3951.3	1.24550	mg/L	0.002111	1.24550	mg/L	0.002111	0.17%
As 188.979†	810.5	1.26595	mg/L	0.000636	1.26595	mg/L	0.000636	0.05%
B 249.677†	4370.8	0.229974	mg/L	0.0045720	0.229974	mg/L	0.0045720	1.99%
Ba 455.398†	73580.0	0.253740	mg/L	0.0008076	0.253740	mg/L	0.0008076	0.32%
Be 234.861†	5282.7	0.0251526	mg/L	0.00024311	0.0251526	mg/L	0.00024311	0.97%
Ca 315.887†	20118.2	12.5970	mg/L	0.03044	12.5970	mg/L	0.03044	0.24%
Cd 214.437†	7006.5	0.250438	mg/L	0.0022242	0.250438	mg/L	0.0022242	0.89%
Ce 413.764†	68.6	0.0017093	mg/L	0.00097957	0.0017093	mg/L	0.00097957	57.31%
Co 228.616†	1681.4	0.252897	mg/L	0.0019549	0.252897	mg/L	0.0019549	0.77%
Cr 205.557†	2991.6	0.254379	mg/L	0.0013797	0.254379	mg/L	0.0013797	0.54%
Cu 327.397†	8113.8	0.248397	mg/L	0.0025942	0.248397	mg/L	0.0025942	1.04%
Fe 238.204†	672.7	0.262850	mg/L	0.0027675	0.262850	mg/L	0.0027675	1.05%
K 766.490	8253.7	12.4744	mg/L	0.05832	12.4744	mg/L	0.05832	0.47%
Li 670.784†	8222.1	0.252505	mg/L	0.0014461	0.252505	mg/L	0.0014461	0.57%
Mg 279.071†	6214.7	12.7925	mg/L	0.05996	12.7925	mg/L	0.05996	0.47%
Mn 257.610†	38892.9	0.251401	mg/L	0.0017959	0.251401	mg/L	0.0017959	0.71%
Mo 202.031†	2121.5	0.261780	mg/L	0.0029840	0.261780	mg/L	0.0029840	1.14%
Na 589.592†	81419.8	12.5332	mg/L	0.06108	12.5332	mg/L	0.06108	0.49%
Ni 231.604†	3119.5	0.250522	mg/L	0.0024011	0.250522	mg/L	0.0024011	0.96%
Pb 220.353†	497.4	0.252982	mg/L	0.0042003	0.252982	mg/L	0.0042003	1.66%
Sb 217.584†	1679.6	1.27531	mg/L	0.009728	1.27531	mg/L	0.009728	0.76%
Se 196.026†	596.4	1.23808	mg/L	0.004738	1.23808	mg/L	0.004738	0.38%
Si 251.611†	9850.5	0.895432	mg/L	0.0068108	0.895432	mg/L	0.0068108	0.76%
Sn 189.927†	2866.4	1.27601	mg/L	0.014138	1.27601	mg/L	0.014138	1.11%
Sr 407.771†	197052.9	0.253930	mg/L	0.0007302	0.253930	mg/L	0.0007302	0.29%
Ti 334.940†	3986.7	0.261210	mg/L	0.0013536	0.261210	mg/L	0.0013536	0.52%
Tl 190.801†	1080.9	1.26475	mg/L	0.011310	1.26475	mg/L	0.011310	0.89%

V 292.395†	11138.4	0.253814 mg/L	0.0001262	0.253814 mg/L	0.0001262	0.05%
Zn 206.200†	2747.5	0.261315 mg/L	0.0030393	0.261315 mg/L	0.0030393	1.16%

Sequence No.: 33 **Autosampler Location: 33**
Sample ID: 1001286-01 **Date Collected: 1/27/2010 11:42:01 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1001286-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	151437.8	151437.8	98.6702	%			11:43:12
1	Al 396.153†	142389.9	144113.7	46.0991	mg/L	46.0991	mg/L	11:43:12
1	Ba 455.398†	153964.3	156042.6	0.536898	mg/L	0.536898	mg/L	11:43:12
1	Ca 315.887†	1212418.8	1228628.0	769.808	mg/L	769.808	mg/L	11:43:06
1	Fe 238.204†	386659.0	391837.9	153.514	mg/L	153.514	mg/L	11:43:06
1	K 766.490	3447.2	3467.0	5.21728	mg/L	5.21728	mg/L	11:43:12
1	Li 670.784†	2813.7	2872.6	0.0891336	mg/L	0.0891336	mg/L	11:43:12
1	Mg 279.071†	136345.0	138168.4	284.335	mg/L	284.335	mg/L	11:43:12
1	Na 589.592†	6746.3	6061.6	0.934913	mg/L	0.934913	mg/L	11:43:12
1	Sr 407.771†	309973.9	313497.1	0.403479	mg/L	0.403479	mg/L	11:43:12
1	Ti 334.940†	48325.1	48982.3	3.18372	mg/L	3.18372	mg/L	11:43:12
1	Sc 357.234	217483.9	217483.9	95.1916	%			11:43:29
1	Ag 328.068†	-6142.6	-6426.7	-0.0686082	mg/L	-0.0686082	mg/L	11:43:29
1	As 188.979†	46.0	68.3	0.0845424	mg/L	0.0845424	mg/L	11:43:49
1	B 249.677†	816.2	459.7	0.0342352	mg/L	0.0342352	mg/L	11:43:29
1	Be 234.861†	9750.9	11038.1	0.0008288	mg/L	0.0008288	mg/L	11:43:29
1	Cd 214.437†	915.5	762.3	-0.0041336	mg/L	-0.0041336	mg/L	11:43:49
1	Ce 413.764†	6219.0	6210.1	0.158125	mg/L	0.158125	mg/L	11:43:29
1	Co 228.616†	346.1	437.2	0.0529844	mg/L	0.0529844	mg/L	11:43:49
1	Cr 205.557†	1222.4	1307.4	0.120491	mg/L	0.120491	mg/L	11:43:49
1	Cu 327.397†	4116.8	4069.8	0.124858	mg/L	0.124858	mg/L	11:43:29
1	Mn 257.610†	955683.2	1003775.5	6.49831	mg/L	6.49831	mg/L	11:43:29
1	Mo 202.031†	255.6	187.3	0.0239528	mg/L	0.0239528	mg/L	11:43:49
1	Ni 231.604†	1905.0	1562.7	0.124954	mg/L	0.124954	mg/L	11:43:49
1	Pb 220.353†	181.1	215.1	0.112805	mg/L	0.112805	mg/L	11:43:49
1	Sb 217.584†	-947.5	-942.4	-0.249127	mg/L	-0.249127	mg/L	11:43:49
1	Se 196.026†	34.7	76.7	0.334714	mg/L	0.334714	mg/L	11:43:49
1	Si 251.611†	61369.1	63740.6	5.73891	mg/L	5.73891	mg/L	11:43:29
1	Sn 189.927†	-235.1	-262.1	0.0549366	mg/L	0.0549366	mg/L	11:43:49
1	Tl 190.801†	-79.8	-46.2	-0.0202452	mg/L	-0.0202452	mg/L	11:43:49
1	V 292.395†	6967.8	8634.4	0.165074	mg/L	0.165074	mg/L	11:43:49
1	Zn 206.200†	3574.6	3820.5	0.346579	mg/L	0.346579	mg/L	11:43:49
2	Y 360.076	152287.4	152287.4	99.2237	%			11:43:22
2	Al 396.153†	142935.0	143858.1	46.0145	mg/L	46.0145	mg/L	11:43:22
2	Ba 455.398†	154418.8	155630.2	0.535482	mg/L	0.535482	mg/L	11:43:22
2	Ca 315.887†	1197394.9	1206631.8	756.026	mg/L	756.026	mg/L	11:43:17
2	Fe 238.204†	382303.4	385262.1	150.938	mg/L	150.938	mg/L	11:43:17
2	K 766.490	3441.4	3461.2	5.20854	mg/L	5.20854	mg/L	11:43:22
2	Li 670.784†	2880.1	2923.7	0.0906938	mg/L	0.0906938	mg/L	11:43:22
2	Mg 279.071†	136793.2	137849.1	283.678	mg/L	283.678	mg/L	11:43:22
2	Na 589.592†	6733.0	6010.0	0.926966	mg/L	0.926966	mg/L	11:43:22
2	Sr 407.771†	311086.0	312865.4	0.402668	mg/L	0.402668	mg/L	11:43:22
2	Ti 334.940†	48451.1	48836.1	3.17423	mg/L	3.17423	mg/L	11:43:22
2	Sc 357.234	214834.0	214834.0	94.0318	%			11:43:54
2	Ag 328.068†	-6074.7	-6434.1	-0.0692049	mg/L	-0.0692049	mg/L	11:43:54
2	As 188.979†	37.9	60.4	0.0721347	mg/L	0.0721347	mg/L	11:44:14
2	B 249.677†	806.4	460.0	0.0339708	mg/L	0.0339708	mg/L	11:43:54
2	Be 234.861†	9723.3	11135.1	0.0021593	mg/L	0.0021593	mg/L	11:43:54
2	Cd 214.437†	915.7	774.4	-0.0032278	mg/L	-0.0032278	mg/L	11:44:14
2	Ce 413.764†	6222.2	6294.1	0.160284	mg/L	0.160284	mg/L	11:43:54
2	Co 228.616†	333.4	428.1	0.0517234	mg/L	0.0517234	mg/L	11:44:14
2	Cr 205.557†	1231.8	1333.2	0.122527	mg/L	0.122527	mg/L	11:44:14
2	Cu 327.397†	4113.2	4119.4	0.126388	mg/L	0.126388	mg/L	11:43:54
2	Mn 257.610†	961599.8	1022450.8	6.61901	mg/L	6.61901	mg/L	11:43:54
2	Mo 202.031†	232.6	166.2	0.0213544	mg/L	0.0213544	mg/L	11:44:14
2	Ni 231.604†	1912.4	1595.3	0.127578	mg/L	0.127578	mg/L	11:44:14
2	Pb 220.353†	189.4	226.3	0.118441	mg/L	0.118441	mg/L	11:44:14

2	Sb 217.584†	-968.0	-976.5	-0.282653	mg/L	-0.282653	mg/L	11:44:14
2	Se 196.026†	20.1	61.5	0.300046	mg/L	0.300046	mg/L	11:44:14
2	Si 251.611†	61589.5	64770.2	5.83175	mg/L	5.83175	mg/L	11:43:54
2	Sn 189.927†	-233.9	-263.9	0.0511267	mg/L	0.0511267	mg/L	11:44:14
2	Tl 190.801†	-81.7	-49.2	-0.0238613	mg/L	-0.0238613	mg/L	11:44:14
2	V 292.395†	6994.3	8752.8	0.168188	mg/L	0.168188	mg/L	11:44:14
2	Zn 206.200†	3575.7	3868.0	0.351277	mg/L	0.351277	mg/L	11:44:14

Mean Data: 1001286-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	216158.9	94.6117	%	0.82012				0.87%
Y 360.076	151862.6	98.9470	%	0.39140				0.40%
Ag 328.068†	-6430.4	-0.0689065	mg/L	0.00042197	-0.0689065	mg/L	0.00042197	0.61%
Al 396.153†	143985.9	46.0568	mg/L	0.05979	46.0568	mg/L	0.05979	0.13%
As 188.979†	64.4	0.0783385	mg/L	0.00877360	0.0783385	mg/L	0.00877360	11.20%
B 249.677†	459.8	0.0341030	mg/L	0.00018698	0.0341030	mg/L	0.00018698	0.55%
Ba 455.398†	155836.4	0.536190	mg/L	0.0010013	0.536190	mg/L	0.0010013	0.19%
Be 234.861†	11086.6	0.0014940	mg/L	0.00094075	0.0014940	mg/L	0.00094075	62.97%
Ca 315.887†	1217629.9	762.917	mg/L	9.7454	762.917	mg/L	9.7454	1.28%
Cd 214.437†	768.4	-0.0036807	mg/L	0.00064051	-0.0036807	mg/L	0.00064051	17.40%
Ce 413.764†	6252.1	0.159204	mg/L	0.0015264	0.159204	mg/L	0.0015264	0.96%
Co 228.616†	432.6	0.0523539	mg/L	0.00089168	0.0523539	mg/L	0.00089168	1.70%
Cr 205.557†	1320.3	0.121509	mg/L	0.0014395	0.121509	mg/L	0.0014395	1.18%
Cu 327.397†	4094.6	0.125623	mg/L	0.0010825	0.125623	mg/L	0.0010825	0.86%
Fe 238.204†	388550.0	152.226	mg/L	1.8219	152.226	mg/L	1.8219	1.20%
K 766.490	3464.1	5.21291	mg/L	0.006180	5.21291	mg/L	0.006180	0.12%
Li 670.784†	2898.2	0.0899137	mg/L	0.00110328	0.0899137	mg/L	0.00110328	1.23%
Mg 279.071†	138008.8	284.007	mg/L	0.4645	284.007	mg/L	0.4645	0.16%
Mn 257.610†	1013113.2	6.55866	mg/L	0.085348	6.55866	mg/L	0.085348	1.30%
Mo 202.031†	176.7	0.0226536	mg/L	0.00183735	0.0226536	mg/L	0.00183735	8.11%
Na 589.592†	6035.8	0.930939	mg/L	0.0056193	0.930939	mg/L	0.0056193	0.60%
Ni 231.604†	1579.0	0.126266	mg/L	0.0018553	0.126266	mg/L	0.0018553	1.47%
Pb 220.353†	220.7	0.115623	mg/L	0.0039852	0.115623	mg/L	0.0039852	3.45%
Sb 217.584†	-959.5	-0.265890	mg/L	0.0237066	-0.265890	mg/L	0.0237066	8.92%
Se 196.026†	69.1	0.317380	mg/L	0.0245140	0.317380	mg/L	0.0245140	7.72%
Si 251.611†	64255.4	5.78533	mg/L	0.065648	5.78533	mg/L	0.065648	1.13%
Sn 189.927†	-263.0	0.0530317	mg/L	0.00269401	0.0530317	mg/L	0.00269401	5.08%
Sr 407.771†	313181.2	0.403074	mg/L	0.0005737	0.403074	mg/L	0.0005737	0.14%
Ti 334.940†	48909.2	3.17898	mg/L	0.006715	3.17898	mg/L	0.006715	0.21%
Tl 190.801†	-47.7	-0.0220532	mg/L	0.00255698	-0.0220532	mg/L	0.00255698	11.59%
V 292.395†	8693.6	0.166631	mg/L	0.0022019	0.166631	mg/L	0.0022019	1.32%
Zn 206.200†	3844.3	0.348928	mg/L	0.0033220	0.348928	mg/L	0.0033220	0.95%

Sequence No.: 34
Sample ID: 1001286-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 34
Date Collected: 1/27/2010 11:47:07 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001286-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	159842.9	159842.9	104.147	%			11:48:13
1	Al 396.153†	122735.5	117653.6	37.4922	mg/L	37.4922	mg/L	11:48:13
1	Ba 455.398†	121258.0	116433.4	0.400889	mg/L	0.400889	mg/L	11:48:13
1	Ca 315.887†	6335.4	5952.1	3.72097	mg/L	3.72097	mg/L	11:48:18
1	Fe 238.204†	146554.1	140686.9	55.1223	mg/L	55.1223	mg/L	11:48:13
1	K 766.490	1223.5	1243.3	1.84603	mg/L	1.84603	mg/L	11:48:18
1	Li 670.784†	769.6	760.0	0.0246149	mg/L	0.0246149	mg/L	11:48:18
1	Mg 279.071†	3282.1	3137.2	6.45949	mg/L	6.45949	mg/L	11:48:18
1	Na 589.592†	1402.2	570.7	0.0898151	mg/L	0.0898151	mg/L	11:48:18
1	Sr 407.771†	21439.6	19931.5	0.0264516	mg/L	0.0264516	mg/L	11:48:18
1	Ti 334.940†	16106.9	15471.6	1.00716	mg/L	1.00716	mg/L	11:48:18
1	Sc 357.234	235629.0	235629.0	103.134	%			11:48:34
1	Ag 328.068†	-1992.7	-1905.9	-0.0202353	mg/L	-0.0202353	mg/L	11:48:34
1	As 188.979†	3.1	23.0	0.0286821	mg/L	0.0286821	mg/L	11:48:54
1	B 249.677†	362.0	-46.7	-0.0026778	mg/L	-0.0026778	mg/L	11:48:34

1	Be 234.861†	3616.7	4301.5	0.0017674 mg/L	0.0017674 mg/L	11:48:34
1	Cd 214.437†	515.7	300.6	-0.0025374 mg/L	-0.0025374 mg/L	11:48:54
1	Ce 413.764†	4452.4	3994.2	0.102083 mg/L	0.102083 mg/L	11:48:34
1	Co 228.616†	93.0	163.7	0.0200025 mg/L	0.0200025 mg/L	11:48:54
1	Cr 205.557†	558.1	564.4	0.0512297 mg/L	0.0512297 mg/L	11:48:54
1	Cu 327.397†	1044.6	758.0	0.0208829 mg/L	0.0208829 mg/L	11:48:34
1	Mn 257.610†	805326.5	780675.6	5.05153 mg/L	5.05153 mg/L	11:48:34
1	Mo 202.031†	91.7	7.7	0.0018644 mg/L	0.0018644 mg/L	11:48:54
1	Ni 231.604†	990.7	522.0	0.0411494 mg/L	0.0411494 mg/L	11:48:54
1	Pb 220.353†	117.6	139.0	0.0732743 mg/L	0.0732743 mg/L	11:48:54
1	Sb 217.584†	-358.8	-294.9	-0.0547939 mg/L	-0.0547939 mg/L	11:48:54
1	Se 196.026†	-16.5	24.2	0.109110 mg/L	0.109110 mg/L	11:48:54
1	Si 251.611†	62464.9	59838.5	5.41730 mg/L	5.41730 mg/L	11:48:34
1	Sn 189.927†	15.4	-0.2	0.0038019 mg/L	0.0038019 mg/L	11:48:54
1	Tl 190.801†	-45.4	-6.4	0.0050642 mg/L	0.0050642 mg/L	11:48:54
1	V 292.395†	2414.7	3656.0	0.0722287 mg/L	0.0722287 mg/L	11:48:54
1	Zn 206.200†	1864.6	1873.3	0.173916 mg/L	0.173916 mg/L	11:48:54
2	Y 360.076	163350.2	163350.2	106.432 %		11:48:23
2	Al 396.153†	122762.8	115148.9	36.6937 mg/L	36.6937 mg/L	11:48:23
2	Ba 455.398†	121360.2	114029.6	0.392635 mg/L	0.392635 mg/L	11:48:23
2	Ca 315.887†	6276.5	5766.2	3.60450 mg/L	3.60450 mg/L	11:48:28
2	Fe 238.204†	146999.8	138084.3	54.1026 mg/L	54.1026 mg/L	11:48:23
2	K 766.490	1197.0	1216.8	1.80571 mg/L	1.80571 mg/L	11:48:28
2	Li 670.784†	787.3	760.8	0.0246384 mg/L	0.0246384 mg/L	11:48:28
2	Mg 279.071†	3247.9	3037.4	6.25406 mg/L	6.25406 mg/L	11:48:28
2	Na 589.592†	1431.0	568.9	0.0895397 mg/L	0.0895397 mg/L	11:48:28
2	Sr 407.771†	21338.7	19394.8	0.0257622 mg/L	0.0257622 mg/L	11:48:28
2	Ti 334.940†	16033.9	15070.9	0.981139 mg/L	0.981139 mg/L	11:48:28
2	Sc 357.234	234675.6	234675.6	102.716 %		11:49:00
2	Ag 328.068†	-2138.9	-2056.2	-0.0227003 mg/L	-0.0227003 mg/L	11:49:00
2	As 188.979†	3.6	23.5	0.0296392 mg/L	0.0296392 mg/L	11:49:20
2	B 249.677†	372.5	-35.0	-0.0021459 mg/L	-0.0021459 mg/L	11:49:00
2	Be 234.861†	3616.9	4315.9	0.0021848 mg/L	0.0021848 mg/L	11:49:00
2	Cd 214.437†	517.3	304.2	-0.0021702 mg/L	-0.0021702 mg/L	11:49:20
2	Ce 413.764†	4465.6	4024.5	0.102871 mg/L	0.102871 mg/L	11:49:00
2	Co 228.616†	101.2	172.1	0.0213613 mg/L	0.0213613 mg/L	11:49:20
2	Cr 205.557†	556.6	565.1	0.0512262 mg/L	0.0512262 mg/L	11:49:20
2	Cu 327.397†	1035.4	753.2	0.0207170 mg/L	0.0207170 mg/L	11:49:00
2	Mn 257.610†	805520.2	784036.2	5.07323 mg/L	5.07323 mg/L	11:49:00
2	Mo 202.031†	103.7	19.7	0.0033455 mg/L	0.0033455 mg/L	11:49:20
2	Ni 231.604†	994.4	529.6	0.0417585 mg/L	0.0417585 mg/L	11:49:20
2	Pb 220.353†	107.5	129.6	0.0685380 mg/L	0.0685380 mg/L	11:49:20
2	Sb 217.584†	-367.1	-304.4	-0.0650612 mg/L	-0.0650612 mg/L	11:49:20
2	Se 196.026†	-19.2	21.5	0.102247 mg/L	0.102247 mg/L	11:49:20
2	Si 251.611†	62865.8	60474.9	5.47535 mg/L	5.47535 mg/L	11:49:00
2	Sn 189.927†	8.6	-6.8	0.0008922 mg/L	0.0008922 mg/L	11:49:20
2	Tl 190.801†	-48.8	-9.9	0.0008134 mg/L	0.0008134 mg/L	11:49:20
2	V 292.395†	2465.6	3715.1	0.0737770 mg/L	0.0737770 mg/L	11:49:20
2	Zn 206.200†	1883.4	1898.9	0.176443 mg/L	0.176443 mg/L	11:49:20

Mean Data: 1001286-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	235152.3	102.925	%	0.2950				0.29%
Y 360.076	161596.5	105.289	%	1.6159				1.53%
Ag 328.068†	-1981.1	-0.0214678	mg/L	0.00174300	-0.0214678	mg/L	0.00174300	8.12%
Al 396.153†	116401.3	37.0930	mg/L	0.56458	37.0930	mg/L	0.56458	1.52%
As 188.979†	23.3	0.0291606	mg/L	0.00067676	0.0291606	mg/L	0.00067676	2.32%
B 249.677†	-40.9	-0.0024118	mg/L	0.00037613	-0.0024118	mg/L	0.00037613	15.60%
Ba 455.398†	115231.5	0.396762	mg/L	0.0058365	0.396762	mg/L	0.0058365	1.47%
Be 234.861†	4308.7	0.0019761	mg/L	0.00029511	0.0019761	mg/L	0.00029511	14.93%
Ca 315.887†	5859.1	3.66273	mg/L	0.082360	3.66273	mg/L	0.082360	2.25%
Cd 214.437†	302.4	-0.0023538	mg/L	0.00025963	-0.0023538	mg/L	0.00025963	11.03%
Ce 413.764†	4009.3	0.102477	mg/L	0.0005573	0.102477	mg/L	0.0005573	0.54%
Co 228.616†	167.9	0.0206819	mg/L	0.00096081	0.0206819	mg/L	0.00096081	4.65%
Cr 205.557†	564.7	0.0512279	mg/L	0.00000243	0.0512279	mg/L	0.00000243	0.00%
Cu 327.397†	755.6	0.0207999	mg/L	0.00011729	0.0207999	mg/L	0.00011729	0.56%
Fe 238.204†	139385.6	54.6125	mg/L	0.72107	54.6125	mg/L	0.72107	1.32%
K 766.490	1230.1	1.82587	mg/L	0.028506	1.82587	mg/L	0.028506	1.56%
Li 670.784†	760.4	0.0246266	mg/L	0.00001662	0.0246266	mg/L	0.00001662	0.07%

Mg 279.071†	3087.3	6.35678 mg/L	0.145260	6.35678 mg/L	0.145260	2.29%
Mn 257.610†	782355.9	5.06238 mg/L	0.015343	5.06238 mg/L	0.015343	0.30%
Mo 202.031†	13.7	0.0026050 mg/L	0.00104726	0.0026050 mg/L	0.00104726	40.20%
Na 589.592†	569.8	0.0896774 mg/L	0.00019472	0.0896774 mg/L	0.00019472	0.22%
Ni 231.604†	525.8	0.0414539 mg/L	0.00043064	0.0414539 mg/L	0.00043064	1.04%
Pb 220.353†	134.3	0.0709061 mg/L	0.00334910	0.0709061 mg/L	0.00334910	4.72%
Sb 217.584†	-299.7	-0.0599275 mg/L	0.00726008	-0.0599275 mg/L	0.00726008	12.11%
Se 196.026†	22.8	0.105678 mg/L	0.0048528	0.105678 mg/L	0.0048528	4.59%
Si 251.611†	60156.7	5.44632 mg/L	0.041049	5.44632 mg/L	0.041049	0.75%
Sn 189.927†	-3.5	0.0023471 mg/L	0.00205745	0.0023471 mg/L	0.00205745	87.66%
Sr 407.771†	19663.1	0.0261069 mg/L	0.00048747	0.0261069 mg/L	0.00048747	1.87%
Ti 334.940†	15271.2	0.994151 mg/L	0.0184017	0.994151 mg/L	0.0184017	1.85%
Tl 190.801†	-8.1	0.0029388 mg/L	0.00300577	0.0029388 mg/L	0.00300577	102.28%
V 292.395†	3685.5	0.0730028 mg/L	0.00109479	0.0730028 mg/L	0.00109479	1.50%
Zn 206.200†	1886.1	0.175179 mg/L	0.0017866	0.175179 mg/L	0.0017866	1.02%

Sequence No.: 35
Sample ID: 1001286-03
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 1/27/2010 11:52:16 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001286-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	152857.7	152857.7	99.5953	%			11:53:27
1	Al 396.153†	80314.6	80445.7	25.8353	mg/L	25.8353	mg/L	11:53:27
1	Ba 455.398†	55858.0	56088.2	0.193677	mg/L	0.193677	mg/L	11:53:27
1	Ca 315.887†	1437537.3	1443247.5	904.281	mg/L	904.281	mg/L	11:53:22
1	Fe 238.204†	274267.6	275349.8	107.874	mg/L	107.874	mg/L	11:53:22
1	K 766.490	2294.0	2313.9	3.46901	mg/L	3.46901	mg/L	11:53:27
1	Li 670.784†	1374.5	1401.2	0.0441957	mg/L	0.0441957	mg/L	11:53:27
1	Mg 279.071†	116503.1	116962.2	240.696	mg/L	240.696	mg/L	11:53:27
1	Na 589.592†	6556.2	5807.2	0.895761	mg/L	0.895761	mg/L	11:53:27
1	Sr 407.771†	339837.2	340563.7	0.438241	mg/L	0.438241	mg/L	11:53:22
1	Ti 334.940†	30118.1	30246.5	1.96681	mg/L	1.96681	mg/L	11:53:27
1	Sc 357.234	216849.4	216849.4	94.9140	%			11:53:44
1	Ag 328.068†	-4420.2	-4630.9	-0.0453625	mg/L	-0.0453625	mg/L	11:53:44
1	As 188.979†	52.4	75.2	0.103849	mg/L	0.103849	mg/L	11:54:04
1	B 249.677†	698.6	338.3	0.0233763	mg/L	0.0233763	mg/L	11:53:44
1	Be 234.861†	6606.3	7755.0	0.0006205	mg/L	0.0006205	mg/L	11:53:44
1	Cd 214.437†	721.7	561.0	-0.0018673	mg/L	-0.0018673	mg/L	11:54:04
1	Ce 413.764†	4458.5	4374.4	0.111485	mg/L	0.111485	mg/L	11:53:44
1	Co 228.616†	230.9	316.9	0.0391178	mg/L	0.0391178	mg/L	11:54:04
1	Cr 205.557†	735.6	798.3	0.0743203	mg/L	0.0743203	mg/L	11:54:04
1	Cu 327.397†	3077.6	2987.7	0.0905683	mg/L	0.0905683	mg/L	11:53:44
1	Mn 257.610†	729681.8	768600.9	4.97542	mg/L	4.97542	mg/L	11:53:44
1	Mo 202.031†	249.2	181.4	0.0232218	mg/L	0.0232218	mg/L	11:54:04
1	Ni 231.604†	2208.2	1888.0	0.151202	mg/L	0.151202	mg/L	11:54:04
1	Pb 220.353†	90.0	119.7	0.0640275	mg/L	0.0640275	mg/L	11:54:04
1	Sb 217.584†	-755.3	-742.9	-0.235069	mg/L	-0.235069	mg/L	11:54:04
1	Se 196.026†	0.2	40.4	0.205060	mg/L	0.205060	mg/L	11:54:04
1	Si 251.611†	49403.9	51322.9	4.63443	mg/L	4.63443	mg/L	11:53:44
1	Sn 189.927†	-254.4	-283.1	0.0749709	mg/L	0.0749709	mg/L	11:54:04
1	Tl 190.801†	-65.9	-31.8	-0.0153754	mg/L	-0.0153754	mg/L	11:54:04
1	V 292.395†	3966.8	5494.0	0.103547	mg/L	0.103547	mg/L	11:54:04
1	Zn 206.200†	2633.8	2840.3	0.257274	mg/L	0.257274	mg/L	11:54:04
2	Y 360.076	152967.1	152967.1	99.6666	%			11:53:37
2	Al 396.153†	80335.9	80409.4	25.8210	mg/L	25.8210	mg/L	11:53:37
2	Ba 455.398†	55765.3	55955.1	0.193220	mg/L	0.193220	mg/L	11:53:37
2	Ca 315.887†	1419041.1	1423657.1	892.006	mg/L	892.006	mg/L	11:53:32
2	Fe 238.204†	270974.9	271849.1	106.502	mg/L	106.502	mg/L	11:53:32
2	K 766.490	2271.6	2291.4	3.43505	mg/L	3.43505	mg/L	11:53:37
2	Li 670.784†	1385.3	1411.0	0.0444949	mg/L	0.0444949	mg/L	11:53:37
2	Mg 279.071†	116785.1	117161.6	241.106	mg/L	241.106	mg/L	11:53:37
2	Na 589.592†	6600.8	5847.3	0.901920	mg/L	0.901920	mg/L	11:53:37
2	Sr 407.771†	335816.3	336285.2	0.432746	mg/L	0.432746	mg/L	11:53:32
2	Ti 334.940†	30134.5	30241.2	1.96647	mg/L	1.96647	mg/L	11:53:37
2	Sc 357.234	217832.5	217832.5	95.3442	%			11:54:09

2	Ag 328.068†	-4422.5	-4612.3	-0.0454056 mg/L	-0.0454056 mg/L	11:54:09
2	As 188.979†	50.9	73.4	0.101000 mg/L	0.101000 mg/L	11:54:29
2	B 249.677†	632.0	265.2	0.0192706 mg/L	0.0192706 mg/L	11:54:09
2	Be 234.861†	6573.3	7689.0	0.0007659 mg/L	0.0007659 mg/L	11:54:09
2	Cd 214.437†	714.1	549.5	-0.0020250 mg/L	-0.0020250 mg/L	11:54:29
2	Ce 413.764†	4374.9	4265.5	0.108691 mg/L	0.108691 mg/L	11:54:09
2	Co 228.616†	222.5	306.9	0.0376695 mg/L	0.0376695 mg/L	11:54:29
2	Cr 205.557†	731.9	790.9	0.0736073 mg/L	0.0736073 mg/L	11:54:29
2	Cu 327.397†	3085.9	2981.7	0.0903846 mg/L	0.0903846 mg/L	11:54:09
2	Mn 257.610†	724786.1	759996.7	4.91971 mg/L	4.91971 mg/L	11:54:09
2	Mo 202.031†	243.0	173.6	0.0222707 mg/L	0.0222707 mg/L	11:54:29
2	Ni 231.604†	2201.6	1870.5	0.149791 mg/L	0.149791 mg/L	11:54:29
2	Pb 220.353†	73.4	101.8	0.0550172 mg/L	0.0550172 mg/L	11:54:29
2	Sb 217.584†	-754.4	-738.3	-0.235722 mg/L	-0.235722 mg/L	11:54:29
2	Se 196.026†	14.7	55.6	0.235234 mg/L	0.235234 mg/L	11:54:29
2	Si 251.611†	49141.7	50813.0	4.58791 mg/L	4.58791 mg/L	11:54:09
2	Sn 189.927†	-248.0	-275.3	0.0757660 mg/L	0.0757660 mg/L	11:54:29
2	Tl 190.801†	-54.4	-19.4	-0.0009851 mg/L	-0.0009851 mg/L	11:54:29
2	V 292.395†	4013.0	5523.6	0.104453 mg/L	0.104453 mg/L	11:54:29
2	Zn 206.200†	2647.7	2842.4	0.257541 mg/L	0.257541 mg/L	11:54:29

Mean Data: 1001286-03

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	217341.0	95.1291	%	0.30425				0.32%
Y 360.076	152912.4	99.6310	%	0.05040				0.05%
Ag 328.068†	-4621.6	-0.0453841	mg/L	0.00003051	-0.0453841	mg/L	0.00003051	0.07%
Al 396.153†	80427.6	25.8281	mg/L	0.01014	25.8281	mg/L	0.01014	0.04%
As 188.979†	74.3	0.102425	mg/L	0.0020146	0.102425	mg/L	0.0020146	1.97%
B 249.677†	301.8	0.0213235	mg/L	0.00290314	0.0213235	mg/L	0.00290314	13.61%
Ba 455.398†	56021.6	0.193449	mg/L	0.0003232	0.193449	mg/L	0.0003232	0.17%
Be 234.861†	7722.0	0.0006932	mg/L	0.00010283	0.0006932	mg/L	0.00010283	14.83%
Ca 315.887†	1433452.3	898.144	mg/L	8.6795	898.144	mg/L	8.6795	0.97%
Cd 214.437†	555.3	-0.0019462	mg/L	0.00011149	-0.0019462	mg/L	0.00011149	5.73%
Ce 413.764†	4320.0	0.110088	mg/L	0.0019756	0.110088	mg/L	0.0019756	1.79%
Co 228.616†	311.9	0.0383936	mg/L	0.00102409	0.0383936	mg/L	0.00102409	2.67%
Cr 205.557†	794.6	0.0739638	mg/L	0.00050419	0.0739638	mg/L	0.00050419	0.68%
Cu 327.397†	2984.7	0.0904765	mg/L	0.00012991	0.0904765	mg/L	0.00012991	0.14%
Fe 238.204†	273599.5	107.188	mg/L	0.9699	107.188	mg/L	0.9699	0.90%
K 766.490	2302.6	3.45203	mg/L	0.024020	3.45203	mg/L	0.024020	0.70%
Li 670.784†	1406.1	0.0443453	mg/L	0.00021158	0.0443453	mg/L	0.00021158	0.48%
Mg 279.071†	117061.9	240.901	mg/L	0.2900	240.901	mg/L	0.2900	0.12%
Mn 257.610†	764298.8	4.94756	mg/L	0.039390	4.94756	mg/L	0.039390	0.80%
Mo 202.031†	177.5	0.0227463	mg/L	0.00067254	0.0227463	mg/L	0.00067254	2.96%
Na 589.592†	5827.2	0.898841	mg/L	0.0043550	0.898841	mg/L	0.0043550	0.48%
Ni 231.604†	1879.3	0.150496	mg/L	0.0009975	0.150496	mg/L	0.0009975	0.66%
Pb 220.353†	110.8	0.0595223	mg/L	0.00637125	0.0595223	mg/L	0.00637125	10.70%
Sb 217.584†	-740.6	-0.235395	mg/L	0.0004614	-0.235395	mg/L	0.0004614	0.20%
Se 196.026†	48.0	0.220147	mg/L	0.0213364	0.220147	mg/L	0.0213364	9.69%
Si 251.611†	51067.9	4.61117	mg/L	0.032899	4.61117	mg/L	0.032899	0.71%
Sn 189.927†	-279.2	0.0753684	mg/L	0.00056224	0.0753684	mg/L	0.00056224	0.75%
Sr 407.771†	338424.5	0.435494	mg/L	0.0038854	0.435494	mg/L	0.0038854	0.89%
Ti 334.940†	30243.9	1.96664	mg/L	0.000240	1.96664	mg/L	0.000240	0.01%
Tl 190.801†	-25.6	-0.0081803	mg/L	0.01017550	-0.0081803	mg/L	0.01017550	124.39%
V 292.395†	5508.8	0.104000	mg/L	0.0006408	0.104000	mg/L	0.0006408	0.62%
Zn 206.200†	2841.3	0.257408	mg/L	0.0001893	0.257408	mg/L	0.0001893	0.07%

==========

Sequence No.: 36
Sample ID: 1001286-04
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 36
Date Collected: 1/27/2010 11:57:22 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001286-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	158953.3	158953.3	103.567	%			11:58:34
1	Al 396.153†	118030.8	113770.4	36.3109	mg/L	36.3109	mg/L	11:58:34

1	Ba 455.398†	299195.7	288894.3	0.993082 mg/L	0.993082 mg/L	11:58:29
1	Ca 315.887†	433851.1	418777.7	262.383 mg/L	262.383 mg/L	11:58:29
1	Fe 238.204†	912064.0	880619.4	345.043 mg/L	345.043 mg/L	11:58:29
1	K 766.490	3735.5	3755.3	5.65437 mg/L	5.65437 mg/L	11:58:34
1	Li 670.784†	1673.4	1636.8	0.0513904 mg/L	0.0513904 mg/L	11:58:34
1	Mg 279.071†	60808.4	58699.9	120.800 mg/L	120.800 mg/L	11:58:34
1	Na 589.592†	8369.7	7305.8	1.12640 mg/L	1.12640 mg/L	11:58:34
1	Sr 407.771†	480944.1	463725.5	0.596419 mg/L	0.596419 mg/L	11:58:29
1	Ti 334.940†	56834.9	54883.4	3.56701 mg/L	3.56701 mg/L	11:58:34
1	Sc 357.234	227036.3	227036.3	99.3727 %		11:58:51
1	Ag 328.068†	-13751.3	-13811.9	-0.164256 mg/L	-0.164256 mg/L	11:58:51
1	As 188.979†	1129.1	1156.2	1.78429 mg/L	1.78429 mg/L	11:59:11
1	B 249.677†	1411.4	1022.6	0.0860079 mg/L	0.0860079 mg/L	11:58:51
1	Be 234.861†	26908.5	27873.1	0.0169866 mg/L	0.0169866 mg/L	11:58:51
1	Cd 214.437†	1738.9	1550.5	-0.0102395 mg/L	-0.0102395 mg/L	11:59:11
1	Ce 413.764†	5832.4	5546.2	0.140965 mg/L	0.140965 mg/L	11:58:51
1	Co 228.616†	502.5	579.3	0.0668523 mg/L	0.0668523 mg/L	11:59:11
1	Cr 205.557†	1622.8	1656.3	0.161929 mg/L	0.161929 mg/L	11:59:11
1	Cu 327.397†	22826.6	22715.9	0.702956 mg/L	0.702956 mg/L	11:58:51
1	Mn 257.610†	401857.8	404213.1	2.62736 mg/L	2.62736 mg/L	11:58:51
1	Mo 202.031†	335.0	255.9	0.0323935 mg/L	0.0323935 mg/L	11:59:11
1	Ni 231.604†	2944.4	2524.4	0.202423 mg/L	0.202423 mg/L	11:59:11
1	Pb 220.353†	3231.7	3277.0	1.65513 mg/L	1.65513 mg/L	11:59:11
1	Sb 217.584†	-1913.0	-1872.1	-0.376525 mg/L	-0.376525 mg/L	11:59:11
1	Se 196.026†	95.3	136.1	0.684042 mg/L	0.684042 mg/L	11:59:11
1	Si 251.611†	56259.5	55886.3	5.06657 mg/L	5.06657 mg/L	11:58:51
1	Sn 189.927†	144.9	130.7	0.118266 mg/L	0.118266 mg/L	11:59:11
1	Tl 190.801†	-120.0	-83.1	-0.0599147 mg/L	-0.0599147 mg/L	11:59:11
1	V 292.395†	9906.0	11283.1	0.189480 mg/L	0.189480 mg/L	11:59:11
1	Zn 206.200†	19036.9	19222.4	1.81067 mg/L	1.81067 mg/L	11:58:51
2	Y 360.076	156356.1	156356.1	101.875 %		11:58:44
2	Al 396.153†	116753.7	114410.0	36.5159 mg/L	36.5159 mg/L	11:58:44
2	Ba 455.398†	299417.0	293910.5	1.01031 mg/L	1.01031 mg/L	11:58:39
2	Ca 315.887†	435037.2	426900.7	267.473 mg/L	267.473 mg/L	11:58:39
2	Fe 238.204†	915038.0	898167.4	351.919 mg/L	351.919 mg/L	11:58:39
2	K 766.490	3684.6	3704.4	5.57723 mg/L	5.57723 mg/L	11:58:44
2	Li 670.784†	1638.9	1629.8	0.0511788 mg/L	0.0511788 mg/L	11:58:44
2	Mg 279.071†	60006.1	58887.6	121.186 mg/L	121.186 mg/L	11:58:44
2	Na 589.592†	8329.4	7400.5	1.14098 mg/L	1.14098 mg/L	11:58:44
2	Sr 407.771†	481053.5	471546.8	0.606464 mg/L	0.606464 mg/L	11:58:39
2	Ti 334.940†	56005.4	54980.7	3.57333 mg/L	3.57333 mg/L	11:58:44
2	Sc 357.234	227010.1	227010.1	99.3612 %		11:59:17
2	Ag 328.068†	-13630.4	-13691.9	-0.161441 mg/L	-0.161441 mg/L	11:59:17
2	As 188.979†	1128.0	1155.3	1.78274 mg/L	1.78274 mg/L	11:59:37
2	B 249.677†	1442.3	1053.8	0.0884698 mg/L	0.0884698 mg/L	11:59:17
2	Be 234.861†	27004.6	27972.9	0.0151510 mg/L	0.0151510 mg/L	11:59:17
2	Cd 214.437†	1746.6	1558.4	-0.0112278 mg/L	-0.0112278 mg/L	11:59:37
2	Ce 413.764†	5800.5	5514.8	0.140157 mg/L	0.140157 mg/L	11:59:17
2	Co 228.616†	501.7	578.4	0.0664746 mg/L	0.0664746 mg/L	11:59:37
2	Cr 205.557†	1619.2	1652.8	0.162057 mg/L	0.162057 mg/L	11:59:37
2	Cu 327.397†	22859.7	22751.8	0.704073 mg/L	0.704073 mg/L	11:59:17
2	Mn 257.610†	402900.8	405309.5	2.63471 mg/L	2.63471 mg/L	11:59:17
2	Mo 202.031†	335.1	256.0	0.0324034 mg/L	0.0324034 mg/L	11:59:37
2	Ni 231.604†	2935.6	2515.9	0.201737 mg/L	0.201737 mg/L	11:59:37
2	Pb 220.353†	3239.7	3285.4	1.65935 mg/L	1.65935 mg/L	11:59:37
2	Sb 217.584†	-1928.4	-1887.8	-0.367770 mg/L	-0.367770 mg/L	11:59:37
2	Se 196.026†	108.0	148.9	0.718836 mg/L	0.718836 mg/L	11:59:37
2	Si 251.611†	56233.5	55866.7	5.06639 mg/L	5.06639 mg/L	11:59:17
2	Sn 189.927†	147.4	133.2	0.120498 mg/L	0.120498 mg/L	11:59:37
2	Tl 190.801†	-108.6	-71.7	-0.0464492 mg/L	-0.0464492 mg/L	11:59:37
2	V 292.395†	9966.3	11345.0	0.189611 mg/L	0.189611 mg/L	11:59:37
2	Zn 206.200†	19257.7	19446.9	1.83170 mg/L	1.83170 mg/L	11:59:17

Mean Data: 1001286-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	227023.2	99.3670	%	0.00810				0.01%
Y 360.076	157654.7	102.721	%	1.1966				1.16%
Ag 328.068†	-13751.9	-0.162848	mg/L	0.0019910	-0.162848	mg/L	0.0019910	1.22%
Al 396.153†	114090.2	36.4134	mg/L	0.14497	36.4134	mg/L	0.14497	0.40%

As 188.979†	1155.7	1.78352 mg/L	0.001095	1.78352 mg/L	0.001095	0.06%
B 249.677†	1038.2	0.0872389 mg/L	0.00174084	0.0872389 mg/L	0.00174084	2.00%
Ba 455.398†	291402.4	1.00169 mg/L	0.012179	1.00169 mg/L	0.012179	1.22%
Be 234.861†	27923.0	0.0160688 mg/L	0.00129800	0.0160688 mg/L	0.00129800	8.08%
Ca 315.887†	422839.2	264.928 mg/L	3.5989	264.928 mg/L	3.5989	1.36%
Cd 214.437†	1554.4	-0.0107336 mg/L	0.00069879	-0.0107336 mg/L	0.00069879	6.51%
Ce 413.764†	5530.5	0.140561 mg/L	0.0005712	0.140561 mg/L	0.0005712	0.41%
Co 228.616†	578.8	0.0666635 mg/L	0.00026705	0.0666635 mg/L	0.00026705	0.40%
Cr 205.557†	1654.5	0.161993 mg/L	0.0000904	0.161993 mg/L	0.0000904	0.06%
Cu 327.397†	22733.8	0.703514 mg/L	0.0007899	0.703514 mg/L	0.0007899	0.11%
Fe 238.204†	889393.4	348.481 mg/L	4.8619	348.481 mg/L	4.8619	1.40%
K 766.490	3729.9	5.61580 mg/L	0.054546	5.61580 mg/L	0.054546	0.97%
Li 670.784†	1633.3	0.0512846 mg/L	0.00014967	0.0512846 mg/L	0.00014967	0.29%
Mg 279.071†	58793.8	120.993 mg/L	0.2732	120.993 mg/L	0.2732	0.23%
Mn 257.610†	404761.3	2.63104 mg/L	0.005197	2.63104 mg/L	0.005197	0.20%
Mo 202.031†	256.0	0.0323984 mg/L	0.00000697	0.0323984 mg/L	0.00000697	0.02%
Na 589.592†	7353.1	1.13369 mg/L	0.010309	1.13369 mg/L	0.010309	0.91%
Ni 231.604†	2520.2	0.202080 mg/L	0.0004854	0.202080 mg/L	0.0004854	0.24%
Pb 220.353†	3281.2	1.65724 mg/L	0.002986	1.65724 mg/L	0.002986	0.18%
Sb 217.584†	-1880.0	-0.372148 mg/L	0.0061902	-0.372148 mg/L	0.0061902	1.66%
Se 196.026†	142.5	0.701439 mg/L	0.0246035	0.701439 mg/L	0.0246035	3.51%
Si 251.611†	55876.5	5.06648 mg/L	0.000128	5.06648 mg/L	0.000128	0.00%
Sn 189.927†	131.9	0.119382 mg/L	0.0015780	0.119382 mg/L	0.0015780	1.32%
Sr 407.771†	467636.2	0.601441 mg/L	0.0071029	0.601441 mg/L	0.0071029	1.18%
Ti 334.940†	54932.1	3.57017 mg/L	0.004468	3.57017 mg/L	0.004468	0.13%
Tl 190.801†	-77.4	-0.0531819 mg/L	0.00952160	-0.0531819 mg/L	0.00952160	17.90%
V 292.395†	11314.1	0.189545 mg/L	0.0000929	0.189545 mg/L	0.0000929	0.05%
Zn 206.200†	19334.6	1.82119 mg/L	0.014867	1.82119 mg/L	0.014867	0.82%

Sequence No.: 37
Sample ID: 0A27004-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 1/27/2010 12:02:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A27004-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	157584.3	157584.3	102.675	%			12:03:39
1	Al 396.153†	8348.9	7936.2	2.50959	mg/L	2.50959	mg/L	12:04:00
1	Ba 455.398†	148011.8	144159.0	0.496093	mg/L	0.496093	mg/L	12:03:39
1	Ca 315.887†	8405.7	8055.7	5.03902	mg/L	5.03902	mg/L	12:04:00
1	Fe 238.204†	1376.7	1308.6	0.512238	mg/L	0.512238	mg/L	12:04:00
1	K 766.490	3362.1	3381.9	5.08826	mg/L	5.08826	mg/L	12:04:00
1	Li 670.784†	16647.7	16235.1	0.497218	mg/L	0.497218	mg/L	12:04:00
1	Mg 279.071†	2519.1	2439.2	5.02306	mg/L	5.02306	mg/L	12:04:00
1	Na 589.592†	33884.2	32225.8	4.96180	mg/L	4.96180	mg/L	12:03:39
1	Sr 407.771†	396160.5	385185.1	0.495549	mg/L	0.495549	mg/L	12:03:39
1	Ti 334.940†	7886.8	7687.3	0.501565	mg/L	0.501565	mg/L	12:04:00
1	Sc 357.234	234370.7	234370.7	102.583	%			12:04:31
1	Ag 328.068†	32438.3	31647.8	0.493646	mg/L	0.493646	mg/L	12:04:31
1	As 188.979†	1621.2	1600.5	2.49998	mg/L	2.49998	mg/L	12:04:51
1	B 249.677†	9703.0	9061.0	0.482890	mg/L	0.482890	mg/L	12:04:31
1	Be 234.861†	9878.5	10424.5	0.0496380	mg/L	0.0496380	mg/L	12:04:51
1	Cd 214.437†	14493.4	13929.1	0.498609	mg/L	0.498609	mg/L	12:04:51
1	Ce 413.764†	359.7	27.6	0.0006146	mg/L	0.0006146	mg/L	12:04:31
1	Co 228.616†	3338.2	3327.7	0.501080	mg/L	0.501080	mg/L	12:04:51
1	Cr 205.557†	5987.4	5859.9	0.498440	mg/L	0.498440	mg/L	12:04:51
1	Cu 327.397†	16622.0	15948.6	0.491369	mg/L	0.491369	mg/L	12:04:31
1	Mn 257.610†	79294.5	77116.5	0.498652	mg/L	0.498652	mg/L	12:04:31
1	Mo 202.031†	4238.2	4050.3	0.498935	mg/L	0.498935	mg/L	12:04:51
1	Ni 231.604†	6831.8	6221.2	0.500436	mg/L	0.500436	mg/L	12:04:51
1	Pb 220.353†	977.4	977.6	0.494625	mg/L	0.494625	mg/L	12:04:51
1	Sb 217.584†	3308.2	3277.8	2.48609	mg/L	2.48609	mg/L	12:04:51
1	Se 196.026†	1186.1	1196.4	2.49049	mg/L	2.49049	mg/L	12:04:51
1	Si 251.611†	28293.7	26852.9	2.42909	mg/L	2.42909	mg/L	12:04:31
1	Sn 189.927†	5692.9	5534.4	2.45656	mg/L	2.45656	mg/L	12:04:51
1	Tl 190.801†	2161.2	2144.5	2.50680	mg/L	2.50680	mg/L	12:04:51
1	V 292.395†	21152.1	21934.2	0.498974	mg/L	0.498974	mg/L	12:04:31

1	Zn 206.200†	5335.7	5266.7	0.502052 mg/L	0.502052 mg/L	12:04:51
2	Y 360.076	156934.9	156934.9	102.252 %		12:04:05
2	Al 396.153†	8371.1	7991.6	2.52726 mg/L	2.52726 mg/L	12:04:25
2	Ba 455.398†	149302.8	146018.1	0.502476 mg/L	0.502476 mg/L	12:04:05
2	Ca 315.887†	8413.1	8096.7	5.06473 mg/L	5.06473 mg/L	12:04:25
2	Fe 238.204†	1381.1	1318.4	0.516069 mg/L	0.516069 mg/L	12:04:25
2	K 766.490	3366.0	3385.8	5.09416 mg/L	5.09416 mg/L	12:04:25
2	Li 670.784†	16678.3	16332.1	0.500181 mg/L	0.500181 mg/L	12:04:25
2	Mg 279.071†	2531.5	2461.5	5.06898 mg/L	5.06898 mg/L	12:04:25
2	Na 589.592†	34161.4	32633.5	5.02454 mg/L	5.02454 mg/L	12:04:05
2	Sr 407.771†	399171.1	389726.1	0.501381 mg/L	0.501381 mg/L	12:04:05
2	Ti 334.940†	7904.9	7736.7	0.504776 mg/L	0.504776 mg/L	12:04:25
2	Sc 357.234	234471.9	234471.9	102.627 %		12:04:56
2	Ag 328.068†	32495.6	31689.8	0.494304 mg/L	0.494304 mg/L	12:04:56
2	As 188.979†	1610.2	1589.0	2.48206 mg/L	2.48206 mg/L	12:05:16
2	B 249.677†	9768.5	9120.8	0.486127 mg/L	0.486127 mg/L	12:04:56
2	Be 234.861†	9888.7	10430.3	0.0496645 mg/L	0.0496645 mg/L	12:05:16
2	Cd 214.437†	14461.4	13891.8	0.497272 mg/L	0.497272 mg/L	12:05:16
2	Ce 413.764†	389.1	56.2	0.0013462 mg/L	0.0013462 mg/L	12:04:56
2	Co 228.616†	3318.8	3307.4	0.498000 mg/L	0.498000 mg/L	12:05:16
2	Cr 205.557†	5975.7	5846.0	0.497258 mg/L	0.497258 mg/L	12:05:16
2	Cu 327.397†	16660.3	15978.9	0.492312 mg/L	0.492312 mg/L	12:04:56
2	Mn 257.610†	79645.2	77424.8	0.500646 mg/L	0.500646 mg/L	12:04:56
2	Mo 202.031†	4236.5	4046.8	0.498507 mg/L	0.498507 mg/L	12:05:16
2	Ni 231.604†	6820.1	6207.0	0.499294 mg/L	0.499294 mg/L	12:05:16
2	Pb 220.353†	985.0	984.7	0.498157 mg/L	0.498157 mg/L	12:05:16
2	Sb 217.584†	3316.8	3284.8	2.49140 mg/L	2.49140 mg/L	12:05:16
2	Se 196.026†	1191.8	1201.5	2.50114 mg/L	2.50114 mg/L	12:05:16
2	Si 251.611†	28398.8	26943.4	2.43720 mg/L	2.43720 mg/L	12:04:56
2	Sn 189.927†	5672.5	5512.2	2.44673 mg/L	2.44673 mg/L	12:05:16
2	Tl 190.801†	2147.8	2130.4	2.49052 mg/L	2.49052 mg/L	12:05:16
2	V 292.395†	21254.1	22024.6	0.501002 mg/L	0.501002 mg/L	12:04:56
2	Zn 206.200†	5320.2	5249.4	0.500394 mg/L	0.500394 mg/L	12:05:16

Mean Data: 0A27004-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	234421.3	102.605	%	0.0313				0.03%
Y 360.076	157259.6	102.463	%	0.2992				0.29%
Ag 328.068†	31668.8	0.493975	mg/L	0.0004658	0.493975	mg/L	0.0004658	0.09%
QC value within limits for Ag 328.068 Recovery = 98.80%								
Al 396.153†	7963.9	2.51843	mg/L	0.012491	2.51843	mg/L	0.012491	0.50%
QC value within limits for Al 396.153 Recovery = 100.74%								
As 188.979†	1594.7	2.49102	mg/L	0.012670	2.49102	mg/L	0.012670	0.51%
QC value within limits for As 188.979 Recovery = 99.64%								
B 249.677†	9090.9	0.484508	mg/L	0.0022887	0.484508	mg/L	0.0022887	0.47%
QC value within limits for B 249.677 Recovery = 96.90%								
Ba 455.398†	145088.5	0.499285	mg/L	0.0045140	0.499285	mg/L	0.0045140	0.90%
QC value within limits for Ba 455.398 Recovery = 99.86%								
Be 234.861†	10427.4	0.0496512	mg/L	0.00001873	0.0496512	mg/L	0.00001873	0.04%
QC value within limits for Be 234.861 Recovery = 99.30%								
Ca 315.887†	8076.2	5.05187	mg/L	0.018186	5.05187	mg/L	0.018186	0.36%
QC value within limits for Ca 315.887 Recovery = 101.04%								
Cd 214.437†	13910.4	0.497941	mg/L	0.0009457	0.497941	mg/L	0.0009457	0.19%
QC value within limits for Cd 214.437 Recovery = 99.59%								
Ce 413.764†	41.9	0.0009804	mg/L	0.00051726	0.0009804	mg/L	0.00051726	52.76%
Co 228.616†	3317.6	0.499540	mg/L	0.0021778	0.499540	mg/L	0.0021778	0.44%
QC value within limits for Co 228.616 Recovery = 99.91%								
Cr 205.557†	5852.9	0.497849	mg/L	0.0008357	0.497849	mg/L	0.0008357	0.17%
QC value within limits for Cr 205.557 Recovery = 99.57%								
Cu 327.397†	15963.7	0.491840	mg/L	0.0006666	0.491840	mg/L	0.0006666	0.14%
QC value within limits for Cu 327.397 Recovery = 98.37%								
Fe 238.204†	1313.5	0.514153	mg/L	0.0027094	0.514153	mg/L	0.0027094	0.53%
QC value within limits for Fe 238.204 Recovery = 102.83%								
K 766.490	3383.8	5.09121	mg/L	0.004168	5.09121	mg/L	0.004168	0.08%
QC value within limits for K 766.490 Recovery = 101.82%								
Li 670.784†	16283.6	0.498699	mg/L	0.0020951	0.498699	mg/L	0.0020951	0.42%
QC value within limits for Li 670.784 Recovery = 99.74%								
Mg 279.071†	2450.4	5.04602	mg/L	0.032474	5.04602	mg/L	0.032474	0.64%
QC value within limits for Mg 279.071 Recovery = 100.92%								

Mn 257.610†	77270.7	0.499649 mg/L	0.0014104	0.499649 mg/L	0.0014104	0.28%
QC value within limits for Mn 257.610 Recovery = 99.93%						
Mo 202.031†	4048.5	0.498721 mg/L	0.0003031	0.498721 mg/L	0.0003031	0.06%
QC value within limits for Mo 202.031 Recovery = 99.74%						
Na 589.592†	32429.6	4.99317 mg/L	0.044366	4.99317 mg/L	0.044366	0.89%
QC value within limits for Na 589.592 Recovery = 99.86%						
Ni 231.604†	6214.1	0.499865 mg/L	0.0008073	0.499865 mg/L	0.0008073	0.16%
QC value within limits for Ni 231.604 Recovery = 99.97%						
Pb 220.353†	981.2	0.496391 mg/L	0.0024978	0.496391 mg/L	0.0024978	0.50%
QC value within limits for Pb 220.353 Recovery = 99.28%						
Sb 217.584†	3281.3	2.48874 mg/L	0.003751	2.48874 mg/L	0.003751	0.15%
QC value within limits for Sb 217.584 Recovery = 99.55%						
Se 196.026†	1199.0	2.49582 mg/L	0.007524	2.49582 mg/L	0.007524	0.30%
QC value within limits for Se 196.026 Recovery = 99.83%						
Si 251.611†	26898.2	2.43315 mg/L	0.005735	2.43315 mg/L	0.005735	0.24%
QC value within limits for Si 251.611 Recovery = 97.33%						
Sn 189.927†	5523.3	2.45165 mg/L	0.006948	2.45165 mg/L	0.006948	0.28%
QC value within limits for Sn 189.927 Recovery = 98.07%						
Sr 407.771†	387455.6	0.498465 mg/L	0.0041239	0.498465 mg/L	0.0041239	0.83%
QC value within limits for Sr 407.771 Recovery = 99.69%						
Ti 334.940†	7712.0	0.503171 mg/L	0.0022706	0.503171 mg/L	0.0022706	0.45%
QC value within limits for Ti 334.940 Recovery = 100.63%						
Tl 190.801†	2137.5	2.49866 mg/L	0.011510	2.49866 mg/L	0.011510	0.46%
QC value within limits for Tl 190.801 Recovery = 99.95%						
V 292.395†	21979.4	0.499988 mg/L	0.0014343	0.499988 mg/L	0.0014343	0.29%
QC value within limits for V 292.395 Recovery = 100.00%						
Zn 206.200†	5258.1	0.501223 mg/L	0.0011727	0.501223 mg/L	0.0011727	0.23%
QC value within limits for Zn 206.200 Recovery = 100.24%						

All analyte(s) passed QC.

Sequence No.: 38 **Autosampler Location: 1**
Sample ID: 0A27004-CCB **Date Collected: 1/27/2010 12:06:32 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A27004-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	152677.7	152677.7	99.4780	%			12:07:37
1	Al 396.153†	205.9	11.8	-0.0083053	mg/L	-0.0083053	mg/L	12:07:37
1	Ba 455.398†	15.1	18.4	0.0011459	mg/L	0.0011459	mg/L	12:07:37
1	Ca 315.887†	128.7	-1.7	-0.0094546	mg/L	-0.0094546	mg/L	12:07:57
1	Fe 238.204†	52.7	20.8	0.0082798	mg/L	0.0082798	mg/L	12:07:57
1	K 766.490	-13.3	6.5	-0.0291217	mg/L	-0.0291217	mg/L	12:07:37
1	Li 670.784†	-40.7	-19.8	0.0007989	mg/L	0.0007989	mg/L	12:07:37
1	Mg 279.071†	26.8	12.7	0.0296730	mg/L	0.0296730	mg/L	12:07:57
1	Na 589.592†	790.4	18.9	0.0048870	mg/L	0.0048870	mg/L	12:07:37
1	Sr 407.771†	735.3	84.7	0.0009622	mg/L	0.0009622	mg/L	12:07:37
1	Ti 334.940†	4.0	10.0	0.0029172	mg/L	0.0029172	mg/L	12:07:57
1	Sc 357.234	229383.0	229383.0	100.400	%			12:08:28
1	Ag 328.068†	-6.3	19.9	0.0019561	mg/L	0.0019561	mg/L	12:08:28
1	As 188.979†	-19.3	0.8	0.0012723	mg/L	0.0012723	mg/L	12:08:48
1	B 249.677†	428.0	28.6	-0.0041070	mg/L	-0.0041070	mg/L	12:08:48
1	Be 234.861†	-781.0	16.8	0.0000760	mg/L	0.0000760	mg/L	12:08:48
1	Cd 214.437†	202.9	2.6	-0.0006523	mg/L	-0.0006523	mg/L	12:08:48
1	Ce 413.764†	373.0	48.5	0.0012434	mg/L	0.0012434	mg/L	12:08:28
1	Co 228.616†	-70.7	3.2	-0.0000647	mg/L	-0.0000647	mg/L	12:08:48
1	Cr 205.557†	-27.1	-3.7	-0.0005014	mg/L	-0.0005014	mg/L	12:08:48
1	Cu 327.397†	262.8	6.9	-0.0030215	mg/L	-0.0030215	mg/L	12:08:28
1	Mn 257.610†	306.7	124.0	0.0006226	mg/L	0.0006226	mg/L	12:08:48
1	Mo 202.031†	88.6	7.0	0.0017834	mg/L	0.0017834	mg/L	12:08:48
1	Ni 231.604†	439.7	-0.6	-0.0009004	mg/L	-0.0009004	mg/L	12:08:48
1	Pb 220.353†	-23.6	1.4	0.0034260	mg/L	0.0034260	mg/L	12:08:48
1	Sb 217.584†	-61.6	-8.4	-0.0035053	mg/L	-0.0035053	mg/L	12:08:48
1	Se 196.026†	-43.5	-3.1	-0.0130280	mg/L	-0.0130280	mg/L	12:08:48
1	Si 251.611†	333.2	-396.5	-0.0259237	mg/L	-0.0259237	mg/L	12:08:48
1	Sn 189.927†	26.7	11.4	0.0081510	mg/L	0.0081510	mg/L	12:08:48
1	Tl 190.801†	-38.0	-0.2	0.0020319	mg/L	0.0020319	mg/L	12:08:48

1	V 292.395†	-1302.1	17.7	0.0011151	mg/L	0.0011151 mg/L	12:08:28
1	Zn 206.200†	-60.5	5.1	-0.0001953	mg/L	-0.0001953 mg/L	12:08:48
2	Y 360.076	156894.6	156894.6	102.226	%		12:08:02
2	Al 396.153†	196.2	-3.3	-0.0131178	mg/L	-0.0131178 mg/L	12:08:02
2	Ba 455.398†	45.5	47.7	0.0012467	mg/L	0.0012467 mg/L	12:08:02
2	Ca 315.887†	134.5	0.5	-0.0080600	mg/L	-0.0080600 mg/L	12:08:22
2	Fe 238.204†	51.0	17.6	0.0070552	mg/L	0.0070552 mg/L	12:08:22
2	K 766.490	-29.9	-10.1	-0.0543785	mg/L	-0.0543785 mg/L	12:08:02
2	Li 670.784†	-51.5	-29.4	0.0005079	mg/L	0.0005079 mg/L	12:08:02
2	Mg 279.071†	13.4	-1.1	0.0012047	mg/L	0.0012047 mg/L	12:08:22
2	Na 589.592†	752.3	-39.8	-0.0041425	mg/L	-0.0041425 mg/L	12:08:02
2	Sr 407.771†	751.5	80.7	0.0009571	mg/L	0.0009571 mg/L	12:08:02
2	Ti 334.940†	-1.4	4.6	0.0025631	mg/L	0.0025631 mg/L	12:08:22
2	Sc 357.234	231339.3	231339.3	101.256	%		12:08:53
2	Ag 328.068†	-65.3	-38.3	0.0010547	mg/L	0.0010547 mg/L	12:08:53
2	As 188.979†	-26.0	-5.7	-0.0088261	mg/L	-0.0088261 mg/L	12:09:13
2	B 249.677†	417.0	14.1	-0.0048917	mg/L	-0.0048917 mg/L	12:09:13
2	Be 234.861†	-778.2	26.2	0.0001211	mg/L	0.0001211 mg/L	12:09:13
2	Cd 214.437†	200.7	-1.2	-0.0007881	mg/L	-0.0007881 mg/L	12:09:13
2	Ce 413.764†	402.1	74.1	0.0018991	mg/L	0.0018991 mg/L	12:08:53
2	Co 228.616†	-72.2	2.3	-0.0001988	mg/L	-0.0001988 mg/L	12:09:13
2	Cr 205.557†	-29.4	-5.9	-0.0006828	mg/L	-0.0006828 mg/L	12:09:13
2	Cu 327.397†	257.3	-0.8	-0.0032584	mg/L	-0.0032584 mg/L	12:08:53
2	Mn 257.610†	319.4	133.9	0.0006865	mg/L	0.0006865 mg/L	12:09:13
2	Mo 202.031†	90.0	7.7	0.0018706	mg/L	0.0018706 mg/L	12:09:13
2	Ni 231.604†	430.0	-13.9	-0.0019701	mg/L	-0.0019701 mg/L	12:09:13
2	Pb 220.353†	-25.2	-0.0	0.0027226	mg/L	0.0027226 mg/L	12:09:13
2	Sb 217.584†	-57.6	-3.9	-0.0001193	mg/L	-0.0001193 mg/L	12:09:13
2	Se 196.026†	-35.1	5.6	0.0050520	mg/L	0.0050520 mg/L	12:09:13
2	Si 251.611†	321.8	-410.5	-0.0271856	mg/L	-0.0271856 mg/L	12:09:13
2	Sn 189.927†	24.3	8.9	0.0070247	mg/L	0.0070247 mg/L	12:09:13
2	Tl 190.801†	-35.0	3.0	0.0057933	mg/L	0.0057933 mg/L	12:09:13
2	V 292.395†	-1261.4	68.9	0.0022676	mg/L	0.0022676 mg/L	12:08:53
2	Zn 206.200†	-54.9	11.1	0.0003851	mg/L	0.0003851 mg/L	12:09:13

Mean Data: 0A27004-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	230361.2	100.828	%	0.6055				0.60%
Y 360.076	154786.2	100.852	%	1.9428				1.93%
Ag 328.068†	-9.2	0.0015054	mg/L	0.00063743	0.0015054	mg/L	0.00063743	42.34%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	4.2	-0.0107115	mg/L	0.00340292	-0.0107115	mg/L	0.00340292	31.77%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-2.5	-0.0037769	mg/L	0.00714060	-0.0037769	mg/L	0.00714060	189.06%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	21.4	-0.0044993	mg/L	0.00055486	-0.0044993	mg/L	0.00055486	12.33%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	33.1	0.0011963	mg/L	0.00007126	0.0011963	mg/L	0.00007126	5.96%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	21.5	0.0000986	mg/L	0.00003194	0.0000986	mg/L	0.00003194	32.41%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-0.6	-0.0087573	mg/L	0.00098608	-0.0087573	mg/L	0.00098608	11.26%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	0.7	-0.0007202	mg/L	0.00009603	-0.0007202	mg/L	0.00009603	13.34%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	61.3	0.0015712	mg/L	0.00046365	0.0015712	mg/L	0.00046365	29.51%
Co 228.616†	2.7	-0.0001317	mg/L	0.00009479	-0.0001317	mg/L	0.00009479	71.95%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-4.8	-0.0005921	mg/L	0.00012826	-0.0005921	mg/L	0.00012826	21.66%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	3.0	-0.0031399	mg/L	0.00016751	-0.0031399	mg/L	0.00016751	5.33%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	19.2	0.0076675	mg/L	0.00086592	0.0076675	mg/L	0.00086592	11.29%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-1.8	-0.0417501	mg/L	0.01785931	-0.0417501	mg/L	0.01785931	42.78%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	-24.6	0.0006534	mg/L	0.00020572	0.0006534	mg/L	0.00020572	31.49%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	5.8	0.0154389	mg/L	0.02013012	0.0154389	mg/L	0.02013012	130.39%

QC value within limits for Mg 279.071 Recovery = Not calculated

Mn 257.610†	129.0	0.0006546 mg/L	0.00004518	0.0006546 mg/L	0.00004518	6.90%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	7.3	0.0018270 mg/L	0.00006164	0.0018270 mg/L	0.00006164	3.37%
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	-10.4	0.0003723 mg/L	0.00638477	0.0003723 mg/L	0.00638477	>999.9%
QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†	-7.2	-0.0014352 mg/L	0.00075643	-0.0014352 mg/L	0.00075643	52.70%
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	0.7	0.0030743 mg/L	0.00049738	0.0030743 mg/L	0.00049738	16.18%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 217.584†	-6.2	-0.0018123 mg/L	0.00239422	-0.0018123 mg/L	0.00239422	132.11%
QC value within limits for Sb 217.584 Recovery = Not calculated							
Se 196.026†	1.3	-0.0039880 mg/L	0.01278449	-0.0039880 mg/L	0.01278449	320.58%
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	-403.5	-0.0265547 mg/L	0.00089229	-0.0265547 mg/L	0.00089229	3.36%
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	10.1	0.0075879 mg/L	0.00079635	0.0075879 mg/L	0.00079635	10.50%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	82.7	0.0009597 mg/L	0.00000361	0.0009597 mg/L	0.00000361	0.38%
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.940†	7.3	0.0027401 mg/L	0.00025037	0.0027401 mg/L	0.00025037	9.14%
QC value within limits for Ti 334.940 Recovery = Not calculated							
Tl 190.801†	1.4	0.0039126 mg/L	0.00265968	0.0039126 mg/L	0.00265968	67.98%
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.395†	43.3	0.0016914 mg/L	0.00081495	0.0016914 mg/L	0.00081495	48.18%
QC value within limits for V 292.395 Recovery = Not calculated							
Zn 206.200†	8.1	0.0000949 mg/L	0.00041035	0.0000949 mg/L	0.00041035	432.43%
QC value within limits for Zn 206.200 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 39
Sample ID: 1001286-05
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 1/27/2010 12:10:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001286-05

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	153411.1	153411.1	99.9559	%			12:11:40
1	Al 396.153†	97254.4	97102.1	31.1657	mg/L	31.1657	mg/L	12:11:40
1	Ba 455.398†	25258.4	25272.8	0.0878640	mg/L	0.0878640	mg/L	12:11:40
1	Ca 315.887†	1587827.3	1588396.9	995.227	mg/L	995.227	mg/L	12:11:35
1	Fe 238.204†	256004.5	256085.2	100.321	mg/L	100.321	mg/L	12:11:35
1	K 766.490	2570.2	2590.0	3.88774	mg/L	3.88774	mg/L	12:11:40
1	Li 670.784†	2202.9	2224.9	0.0693522	mg/L	0.0693522	mg/L	12:11:40
1	Mg 279.071†	167086.9	167146.4	343.968	mg/L	343.968	mg/L	12:11:35
1	Na 589.592†	8047.2	7275.1	1.12168	mg/L	1.12168	mg/L	12:11:40
1	Sr 407.771†	374161.6	373672.3	0.480763	mg/L	0.480763	mg/L	12:11:35
1	Ti 334.940†	27301.6	27319.6	1.77670	mg/L	1.77670	mg/L	12:11:40
1	Sc 357.234	219416.6	219416.6	96.0376	%			12:11:57
1	Ag 328.068†	-4252.2	-4401.5	-0.0416429	mg/L	-0.0416429	mg/L	12:11:57
1	As 188.979†	62.2	84.8	0.119979	mg/L	0.119979	mg/L	12:12:17
1	B 249.677†	1041.8	687.1	0.0415545	mg/L	0.0415545	mg/L	12:11:57
1	Be 234.861†	6177.4	7227.0	0.0005969	mg/L	0.0005969	mg/L	12:11:57
1	Cd 214.437†	711.4	541.3	-0.0015449	mg/L	-0.0015449	mg/L	12:12:17
1	Ce 413.764†	5295.0	5190.4	0.132485	mg/L	0.132485	mg/L	12:11:57
1	Co 228.616†	165.0	245.3	0.0290283	mg/L	0.0290283	mg/L	12:12:17
1	Cr 205.557†	811.4	868.1	0.0798554	mg/L	0.0798554	mg/L	12:12:17
1	Cu 327.397†	2711.0	2568.0	0.0774487	mg/L	0.0774487	mg/L	12:11:57
1	Mn 257.610†	387768.4	403585.9	2.61411	mg/L	2.61411	mg/L	12:11:57
1	Mo 202.031†	241.3	170.0	0.0218274	mg/L	0.0218274	mg/L	12:12:17
1	Ni 231.604†	1262.2	875.7	0.0696568	mg/L	0.0696568	mg/L	12:12:17
1	Pb 220.353†	72.7	100.6	0.0542871	mg/L	0.0542871	mg/L	12:12:17
1	Sb 217.584†	-741.4	-719.1	-0.239915	mg/L	-0.239915	mg/L	12:12:17
1	Se 196.026†	13.4	54.2	0.225004	mg/L	0.225004	mg/L	12:12:17
1	Si 251.611†	50050.9	51387.6	4.64334	mg/L	4.64334	mg/L	12:11:57
1	Sn 189.927†	-253.5	-279.1	0.0966127	mg/L	0.0966127	mg/L	12:12:17

1	Tl 190.801†	-69.5	-34.7	-0.0204309 mg/L	-0.0204309 mg/L	12:12:17
1	V 292.395†	3971.4	5449.9	0.104035 mg/L	0.104035 mg/L	12:12:17
1	Zn 206.200†	1973.5	2120.3	0.186077 mg/L	0.186077 mg/L	12:12:17
2	Y 360.076	153608.3	153608.3	100.084 %		12:11:50
2	Al 396.153†	97643.6	97366.1	31.2492 mg/L	31.2492 mg/L	12:11:50
2	Ba 455.398†	25321.5	25303.5	0.0879692 mg/L	0.0879692 mg/L	12:11:50
2	Ca 315.887†	1585534.7	1584067.3	992.514 mg/L	992.514 mg/L	12:11:45
2	Fe 238.204†	255853.1	255605.2	100.133 mg/L	100.133 mg/L	12:11:45
2	K 766.490	2595.6	2615.4	3.92617 mg/L	3.92617 mg/L	12:11:50
2	Li 670.784†	2213.5	2232.7	0.0695906 mg/L	0.0695906 mg/L	12:11:50
2	Mg 279.071†	166930.2	166775.3	343.204 mg/L	343.204 mg/L	12:11:45
2	Na 589.592†	8036.6	7254.1	1.11845 mg/L	1.11845 mg/L	12:11:50
2	Sr 407.771†	372533.8	371565.4	0.478057 mg/L	0.478057 mg/L	12:11:45
2	Ti 334.940†	27394.7	27377.5	1.78047 mg/L	1.78047 mg/L	12:11:50
2	Sc 357.234	219774.2	219774.2	96.1941 %		12:12:22
2	Ag 328.068†	-4259.6	-4401.9	-0.0416966 mg/L	-0.0416966 mg/L	12:12:22
2	As 188.979†	53.5	75.6	0.105607 mg/L	0.105607 mg/L	12:12:42
2	B 249.677†	980.3	621.4	0.0379729 mg/L	0.0379729 mg/L	12:12:22
2	Be 234.861†	6239.1	7280.6	0.0009159 mg/L	0.0009159 mg/L	12:12:22
2	Cd 214.437†	716.1	545.0	-0.0013808 mg/L	-0.0013808 mg/L	12:12:42
2	Ce 413.764†	5368.1	5257.5	0.134204 mg/L	0.134204 mg/L	12:12:22
2	Co 228.616†	182.6	263.4	0.0317480 mg/L	0.0317480 mg/L	12:12:42
2	Cr 205.557†	819.9	875.6	0.0804797 mg/L	0.0804797 mg/L	12:12:42
2	Cu 327.397†	2724.4	2577.3	0.0777401 mg/L	0.0777401 mg/L	12:12:22
2	Mn 257.610†	389318.2	404539.8	2.62027 mg/L	2.62027 mg/L	12:12:22
2	Mo 202.031†	236.1	164.2	0.0211125 mg/L	0.0211125 mg/L	12:12:42
2	Ni 231.604†	1250.2	861.2	0.0684784 mg/L	0.0684784 mg/L	12:12:42
2	Pb 220.353†	44.2	70.8	0.0392670 mg/L	0.0392670 mg/L	12:12:42
2	Sb 217.584†	-750.7	-727.4	-0.246786 mg/L	-0.246786 mg/L	12:12:42
2	Se 196.026†	6.0	46.4	0.208562 mg/L	0.208562 mg/L	12:12:42
2	Si 251.611†	50413.1	51679.3	4.66961 mg/L	4.66961 mg/L	12:12:22
2	Sn 189.927†	-259.6	-285.0	0.0933872 mg/L	0.0933872 mg/L	12:12:42
2	Tl 190.801†	-64.2	-29.1	-0.0138792 mg/L	-0.0138792 mg/L	12:12:42
2	V 292.395†	4005.4	5478.5	0.104703 mg/L	0.104703 mg/L	12:12:42
2	Zn 206.200†	2007.1	2151.9	0.189116 mg/L	0.189116 mg/L	12:12:42

Mean Data: 1001286-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 357.234	219595.4	96.1159	%	0.11070				0.12%
Y 360.076	153509.7	100.020	%	0.0908				0.09%
Ag 328.068†	-4401.7	-0.0416697	mg/L	0.00003800	-0.0416697	mg/L	0.00003800	0.09%
Al 396.153†	97234.1	31.2074	mg/L	0.05908	31.2074	mg/L	0.05908	0.19%
As 188.979†	80.2	0.112793	mg/L	0.0101623	0.112793	mg/L	0.0101623	9.01%
B 249.677†	654.2	0.0397637	mg/L	0.00253251	0.0397637	mg/L	0.00253251	6.37%
Ba 455.398†	25288.1	0.0879166	mg/L	0.00007441	0.0879166	mg/L	0.00007441	0.08%
Be 234.861†	7253.8	0.0007564	mg/L	0.00022559	0.0007564	mg/L	0.00022559	29.82%
Ca 315.887†	1586232.1	993.870	mg/L	1.9182	993.870	mg/L	1.9182	0.19%
Cd 214.437†	543.2	-0.0014628	mg/L	0.00011610	-0.0014628	mg/L	0.00011610	7.94%
Ce 413.764†	5224.0	0.133345	mg/L	0.0012154	0.133345	mg/L	0.0012154	0.91%
Co 228.616†	254.4	0.0303882	mg/L	0.00192309	0.0303882	mg/L	0.00192309	6.33%
Cr 205.557†	871.9	0.0801675	mg/L	0.00044142	0.0801675	mg/L	0.00044142	0.55%
Cu 327.397†	2572.6	0.0775944	mg/L	0.00020602	0.0775944	mg/L	0.00020602	0.27%
Fe 238.204†	255845.2	100.227	mg/L	0.1330	100.227	mg/L	0.1330	0.13%
K 766.490	2602.7	3.90696	mg/L	0.027173	3.90696	mg/L	0.027173	0.70%
Li 670.784†	2228.8	0.0694714	mg/L	0.00016852	0.0694714	mg/L	0.00016852	0.24%
Mg 279.071†	166960.8	343.586	mg/L	0.5401	343.586	mg/L	0.5401	0.16%
Mn 257.610†	404062.9	2.61719	mg/L	0.004358	2.61719	mg/L	0.004358	0.17%
Mo 202.031†	167.1	0.0214699	mg/L	0.00050550	0.0214699	mg/L	0.00050550	2.35%
Na 589.592†	7264.6	1.12006	mg/L	0.002284	1.12006	mg/L	0.002284	0.20%
Ni 231.604†	868.4	0.0690676	mg/L	0.00083323	0.0690676	mg/L	0.00083323	1.21%
Pb 220.353†	85.7	0.0467771	mg/L	0.01062081	0.0467771	mg/L	0.01062081	22.71%
Sb 217.584†	-723.2	-0.243351	mg/L	0.0048580	-0.243351	mg/L	0.0048580	2.00%
Se 196.026†	50.3	0.216783	mg/L	0.0116260	0.216783	mg/L	0.0116260	5.36%
Si 251.611†	51533.4	4.65647	mg/L	0.018576	4.65647	mg/L	0.018576	0.40%
Sn 189.927†	-282.1	0.0950000	mg/L	0.00228076	0.0950000	mg/L	0.00228076	2.40%
Sr 407.771†	372618.9	0.479410	mg/L	0.0019134	0.479410	mg/L	0.0019134	0.40%
Ti 334.940†	27348.5	1.77859	mg/L	0.002662	1.77859	mg/L	0.002662	0.15%
Tl 190.801†	-31.9	-0.0171551	mg/L	0.00463270	-0.0171551	mg/L	0.00463270	27.00%
V 292.395†	5464.2	0.104369	mg/L	0.0004718	0.104369	mg/L	0.0004718	0.45%

Zn 206.200†	2136.1	0.187597 mg/L	0.0021489	0.187597 mg/L	0.0021489	1.15%

Sequence No.: 40 **Autosampler Location: 38**
Sample ID: 1001286-06 **Date Collected: 1/27/2010 12:15:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1001286-06

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	160323.9	160323.9	104.460	%			12:16:50
1	Al 396.153†	169181.7	161763.2	51.5668	mg/L	51.5668	mg/L	12:16:44
1	Ba 455.398†	533470.1	510696.6	1.75470	mg/L	1.75470	mg/L	12:16:44
1	Ca 315.887†	112710.0	107766.8	67.5146	mg/L	67.5146	mg/L	12:16:50
1	Fe 238.204†	294295.2	281697.9	110.371	mg/L	110.371	mg/L	12:16:44
1	K 766.490	2198.8	2218.6	3.32464	mg/L	3.32464	mg/L	12:16:50
1	Li 670.784†	1598.3	1551.1	0.0487745	mg/L	0.0487745	mg/L	12:16:50
1	Mg 279.071†	9350.3	8936.8	18.3943	mg/L	18.3943	mg/L	12:16:50
1	Na 589.592†	3964.6	3019.6	0.466726	mg/L	0.466726	mg/L	12:16:50
1	Sr 407.771†	351085.4	335441.3	0.431663	mg/L	0.431663	mg/L	12:16:44
1	Ti 334.940†	25219.6	24148.8	1.57076	mg/L	1.57076	mg/L	12:16:50
1	Sc 357.234	234640.5	234640.5	102.701	%			12:17:12
1	Ag 328.068†	-4217.2	-4080.1	-0.0459170	mg/L	-0.0459170	mg/L	12:17:32
1	As 188.979†	35.7	54.8	0.0743592	mg/L	0.0743592	mg/L	12:17:32
1	B 249.677†	984.2	560.7	0.0360649	mg/L	0.0360649	mg/L	12:17:12
1	Be 234.861†	8439.6	9012.3	0.0056138	mg/L	0.0056138	mg/L	12:17:07
1	Cd 214.437†	1735.1	1490.0	0.0290388	mg/L	0.0290388	mg/L	12:17:32
1	Ce 413.764†	5762.2	5287.6	0.135057	mg/L	0.135057	mg/L	12:17:12
1	Co 228.616†	198.6	266.9	0.0323887	mg/L	0.0323887	mg/L	12:17:32
1	Cr 205.557†	1622.8	1603.3	0.143007	mg/L	0.143007	mg/L	12:17:32
1	Cu 327.397†	6205.1	5787.0	0.177087	mg/L	0.177087	mg/L	12:17:12
1	Mn 257.610†	1692361.9	1647671.5	10.6616	mg/L	10.6616	mg/L	12:17:07
1	Mo 202.031†	169.4	83.7	0.0112123	mg/L	0.0112123	mg/L	12:17:32
1	Ni 231.604†	2580.5	2074.1	0.166176	mg/L	0.166176	mg/L	12:17:32
1	Pb 220.353†	5025.1	4917.8	2.48233	mg/L	2.48233	mg/L	12:17:32
1	Sb 217.584†	-673.7	-603.0	-0.121584	mg/L	-0.121584	mg/L	12:17:32
1	Se 196.026†	4.1	44.2	0.216077	mg/L	0.216077	mg/L	12:17:32
1	Si 251.611†	71493.6	68885.0	6.23601	mg/L	6.23601	mg/L	12:17:12
1	Sn 189.927†	222.0	201.0	0.106895	mg/L	0.106895	mg/L	12:17:32
1	Tl 190.801†	-54.0	-14.9	0.0007090	mg/L	0.0007090	mg/L	12:17:32
1	V 292.395†	4530.6	5726.1	0.108409	mg/L	0.108409	mg/L	12:17:32
1	Zn 206.200†	19069.0	18632.8	1.77004	mg/L	1.77004	mg/L	12:17:12
2	Y 360.076	156527.0	156527.0	101.986	%			12:17:00
2	Al 396.153†	172367.4	168815.6	53.8150	mg/L	53.8150	mg/L	12:16:55
2	Ba 455.398†	544002.7	533412.1	1.83270	mg/L	1.83270	mg/L	12:16:55
2	Ca 315.887†	111605.8	109301.4	68.4761	mg/L	68.4761	mg/L	12:17:00
2	Fe 238.204†	300766.8	294877.5	115.535	mg/L	115.535	mg/L	12:16:55
2	K 766.490	2165.5	2185.3	3.27409	mg/L	3.27409	mg/L	12:17:00
2	Li 670.784†	1562.0	1552.6	0.0488214	mg/L	0.0488214	mg/L	12:17:00
2	Mg 279.071†	9295.9	9100.6	18.7314	mg/L	18.7314	mg/L	12:17:00
2	Na 589.592†	3883.8	3032.5	0.468712	mg/L	0.468712	mg/L	12:17:00
2	Sr 407.771†	357991.9	350366.0	0.450830	mg/L	0.450830	mg/L	12:16:55
2	Ti 334.940†	25066.0	24583.8	1.59901	mg/L	1.59901	mg/L	12:17:00
2	Sc 357.234	235140.5	235140.5	102.920	%			12:17:42
2	Ag 328.068†	-4250.9	-4104.1	-0.0456019	mg/L	-0.0456019	mg/L	12:18:02
2	As 188.979†	38.4	57.3	0.0780507	mg/L	0.0780507	mg/L	12:18:02
2	B 249.677†	1001.6	575.5	0.0374327	mg/L	0.0374327	mg/L	12:17:42
2	Be 234.861†	8360.8	8918.3	0.0034126	mg/L	0.0034126	mg/L	12:17:37
2	Cd 214.437†	1727.0	1478.6	0.0275262	mg/L	0.0275262	mg/L	12:18:02
2	Ce 413.764†	5803.8	5316.2	0.135778	mg/L	0.135778	mg/L	12:17:42
2	Co 228.616†	198.4	266.3	0.0320462	mg/L	0.0320462	mg/L	12:18:02
2	Cr 205.557†	1638.0	1614.8	0.144300	mg/L	0.144300	mg/L	12:18:02
2	Cu 327.397†	6230.0	5798.4	0.177458	mg/L	0.177458	mg/L	12:17:42
2	Mn 257.610†	1680540.8	1632682.0	10.5648	mg/L	10.5648	mg/L	12:17:37
2	Mo 202.031†	165.5	79.6	0.0107076	mg/L	0.0107076	mg/L	12:18:02
2	Ni 231.604†	2587.7	2075.8	0.166313	mg/L	0.166313	mg/L	12:18:02
2	Pb 220.353†	5048.8	4930.4	2.48870	mg/L	2.48870	mg/L	12:18:02
2	Sb 217.584†	-684.6	-612.2	-0.113045	mg/L	-0.113045	mg/L	12:18:02

2	Se 196.026†	3.2	43.3	0.220250 mg/L	0.220250 mg/L	12:18:02
2	Si 251.611†	72411.5	69628.8	6.30396 mg/L	6.30396 mg/L	12:17:42
2	Sn 189.927†	220.4	199.0	0.106226 mg/L	0.106226 mg/L	12:18:02
2	Tl 190.801†	-51.4	-12.3	0.0040217 mg/L	0.0040217 mg/L	12:18:02
2	V 292.395†	4574.6	5759.5	0.108192 mg/L	0.108192 mg/L	12:18:02
2	Zn 206.200†	19033.5	18558.8	1.76262 mg/L	1.76262 mg/L	12:17:42

Mean Data: 1001286-06

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	234890.5	102.810	%	0.1547				0.15%
Y 360.076	158425.4	103.223	%	1.7493				1.69%
Ag 328.068†	-4092.1	-0.0457595	mg/L	0.00022283	-0.0457595	mg/L	0.00022283	0.49%
Al 396.153†	165289.4	52.6909	mg/L	1.58975	52.6909	mg/L	1.58975	3.02%
As 188.979†	56.1	0.0762049	mg/L	0.00261030	0.0762049	mg/L	0.00261030	3.43%
B 249.677†	568.1	0.0367488	mg/L	0.00096714	0.0367488	mg/L	0.00096714	2.63%
Ba 455.398†	522054.3	1.79370	mg/L	0.055154	1.79370	mg/L	0.055154	3.07%
Be 234.861†	8965.3	0.0045132	mg/L	0.00155649	0.0045132	mg/L	0.00155649	34.49%
Ca 315.887†	108534.1	67.9953	mg/L	0.67990	67.9953	mg/L	0.67990	1.00%
Cd 214.437†	1484.3	0.0282825	mg/L	0.00106957	0.0282825	mg/L	0.00106957	3.78%
Ce 413.764†	5301.9	0.135417	mg/L	0.0005100	0.135417	mg/L	0.0005100	0.38%
Co 228.616†	266.6	0.0322174	mg/L	0.00024221	0.0322174	mg/L	0.00024221	0.75%
Cr 205.557†	1609.1	0.143654	mg/L	0.0009145	0.143654	mg/L	0.0009145	0.64%
Cu 327.397†	5792.7	0.177272	mg/L	0.0002619	0.177272	mg/L	0.0002619	0.15%
Fe 238.204†	288287.7	112.953	mg/L	3.6516	112.953	mg/L	3.6516	3.23%
K 766.490	2202.0	3.29936	mg/L	0.035748	3.29936	mg/L	0.035748	1.08%
Li 670.784†	1551.9	0.0487980	mg/L	0.00003316	0.0487980	mg/L	0.00003316	0.07%
Mg 279.071†	9018.7	18.5629	mg/L	0.23835	18.5629	mg/L	0.23835	1.28%
Mn 257.610†	1640176.8	10.6132	mg/L	0.06842	10.6132	mg/L	0.06842	0.64%
Mo 202.031†	81.6	0.0109600	mg/L	0.00035689	0.0109600	mg/L	0.00035689	3.26%
Na 589.592†	3026.1	0.467719	mg/L	0.0014043	0.467719	mg/L	0.0014043	0.30%
Ni 231.604†	2074.9	0.166245	mg/L	0.0000965	0.166245	mg/L	0.0000965	0.06%
Pb 220.353†	4924.1	2.48552	mg/L	0.004508	2.48552	mg/L	0.004508	0.18%
Sb 217.584†	-607.6	-0.117315	mg/L	0.0060383	-0.117315	mg/L	0.0060383	5.15%
Se 196.026†	43.8	0.218164	mg/L	0.0029513	0.218164	mg/L	0.0029513	1.35%
Si 251.611†	69256.9	6.26999	mg/L	0.048046	6.26999	mg/L	0.048046	0.77%
Sn 189.927†	200.0	0.106561	mg/L	0.0004729	0.106561	mg/L	0.0004729	0.44%
Sr 407.771†	342903.7	0.441247	mg/L	0.0135538	0.441247	mg/L	0.0135538	3.07%
Ti 334.940†	24366.3	1.58488	mg/L	0.019981	1.58488	mg/L	0.019981	1.26%
Tl 190.801†	-13.6	0.0023654	mg/L	0.00234243	0.0023654	mg/L	0.00234243	99.03%
V 292.395†	5742.8	0.108301	mg/L	0.0001534	0.108301	mg/L	0.0001534	0.14%
Zn 206.200†	18595.8	1.76633	mg/L	0.005248	1.76633	mg/L	0.005248	0.30%

==========

Sequence No.: 41
Sample ID: 1001286-07
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 1/27/2010 12:20:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001286-07

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	154002.0	154002.0	100.341	%			12:22:06
1	Al 396.153†	150343.4	149637.4	47.9148	mg/L	47.9148	mg/L	12:22:06
1	Ba 455.398†	77403.5	77143.7	0.265977	mg/L	0.265977	mg/L	12:22:06
1	Ca 315.887†	1613307.2	1607695.2	1007.32	mg/L	1007.32	mg/L	12:22:00
1	Fe 238.204†	319288.2	318171.3	124.644	mg/L	124.644	mg/L	12:22:06
1	K 766.490	4986.7	5006.5	7.55135	mg/L	7.55135	mg/L	12:22:06
1	Li 670.784†	3109.2	3119.7	0.0966780	mg/L	0.0966780	mg/L	12:22:06
1	Mg 279.071†	184774.8	184132.8	378.924	mg/L	378.924	mg/L	12:22:06
1	Na 589.592†	9439.1	8631.4	1.33042	mg/L	1.33042	mg/L	12:22:06
1	Sr 407.771†	385415.8	383452.0	0.493323	mg/L	0.493323	mg/L	12:22:00
1	Ti 334.940†	29422.1	29328.1	1.90716	mg/L	1.90716	mg/L	12:22:06
1	Sc 357.234	219262.5	219262.5	95.9701	%			12:22:23
1	Ag 328.068†	-5178.4	-5369.7	-0.0532704	mg/L	-0.0532704	mg/L	12:22:23
1	As 188.979†	40.6	62.4	0.0838721	mg/L	0.0838721	mg/L	12:22:43
1	B 249.677†	1314.5	972.0	0.0595467	mg/L	0.0595467	mg/L	12:22:23
1	Be 234.861†	8138.2	9274.7	0.0020903	mg/L	0.0020903	mg/L	12:22:23

1	Cd 214.437†	873.1	710.4	-0.0011654 mg/L	-0.0011654 mg/L	12:22:43
1	Ce 413.764†	6031.9	5962.2	0.152241 mg/L	0.152241 mg/L	12:22:23
1	Co 228.616†	342.9	430.9	0.0559006 mg/L	0.0559006 mg/L	12:22:43
1	Cr 205.557†	1026.5	1092.8	0.100439 mg/L	0.100439 mg/L	12:22:43
1	Cu 327.397†	4592.5	4530.5	0.138358 mg/L	0.138358 mg/L	12:22:23
1	Mn 257.610†	1212702.9	1263443.6	8.17684 mg/L	8.17684 mg/L	12:22:23
1	Mo 202.031†	226.1	154.4	0.0199051 mg/L	0.0199051 mg/L	12:22:43
1	Ni 231.604†	2094.2	1743.6	0.139527 mg/L	0.139527 mg/L	12:22:43
1	Pb 220.353†	81.0	109.3	0.0585557 mg/L	0.0585557 mg/L	12:22:43
1	Sb 217.584†	-868.2	-851.8	-0.267116 mg/L	-0.267116 mg/L	12:22:43
1	Se 196.026†	5.4	45.9	0.236344 mg/L	0.236344 mg/L	12:22:43
1	Si 251.611†	74794.3	77206.6	6.98454 mg/L	6.98454 mg/L	12:22:23
1	Sn 189.927†	-268.2	-294.6	0.0923866 mg/L	0.0923866 mg/L	12:22:43
1	Tl 190.801†	-61.8	-26.8	-0.0098692 mg/L	-0.0098692 mg/L	12:22:43
1	V 292.395†	6222.8	7798.8	0.152323 mg/L	0.152323 mg/L	12:22:43
1	Zn 206.200†	3151.7	3349.4	0.300679 mg/L	0.300679 mg/L	12:22:43
2	Y 360.076	153120.9	153120.9	99.7668 %		12:22:16
2	Al 396.153†	149718.6	149873.4	47.9940 mg/L	47.9940 mg/L	12:22:16
2	Ba 455.398†	77193.8	77377.4	0.266780 mg/L	0.266780 mg/L	12:22:16
2	Ca 315.887†	1632117.6	1635801.4	1024.93 mg/L	1024.93 mg/L	12:22:11
2	Fe 238.204†	318750.8	319463.6	125.150 mg/L	125.150 mg/L	12:22:16
2	K 766.490	4971.1	4990.9	7.52775 mg/L	7.52775 mg/L	12:22:16
2	Li 670.784†	3019.7	3047.8	0.0944826 mg/L	0.0944826 mg/L	12:22:16
2	Mg 279.071†	184213.0	184629.4	379.946 mg/L	379.946 mg/L	12:22:16
2	Na 589.592†	9303.7	8549.8	1.31786 mg/L	1.31786 mg/L	12:22:16
2	Sr 407.771†	389670.0	389926.3	0.501638 mg/L	0.501638 mg/L	12:22:11
2	Ti 334.940†	29264.2	29338.6	1.90784 mg/L	1.90784 mg/L	12:22:16
2	Sc 357.234	220344.4	220344.4	96.4437 %		12:22:48
2	Ag 328.068†	-5213.9	-5380.0	-0.0531756 mg/L	-0.0531756 mg/L	12:22:48
2	As 188.979†	41.5	63.1	0.0850482 mg/L	0.0850482 mg/L	12:23:08
2	B 249.677†	1280.7	930.3	0.0573479 mg/L	0.0573479 mg/L	12:22:48
2	Be 234.861†	8157.0	9252.5	0.0018138 mg/L	0.0018138 mg/L	12:22:48
2	Cd 214.437†	863.6	696.0	-0.0017790 mg/L	-0.0017790 mg/L	12:23:08
2	Ce 413.764†	5973.8	5871.1	0.149904 mg/L	0.149904 mg/L	12:22:48
2	Co 228.616†	343.8	430.0	0.0557537 mg/L	0.0557537 mg/L	12:23:08
2	Cr 205.557†	1034.9	1096.3	0.100762 mg/L	0.100762 mg/L	12:23:08
2	Cu 327.397†	4650.2	4566.8	0.139483 mg/L	0.139483 mg/L	12:22:48
2	Mn 257.610†	1221738.1	1266607.8	8.19732 mg/L	8.19732 mg/L	12:22:48
2	Mo 202.031†	241.6	169.2	0.0217329 mg/L	0.0217329 mg/L	12:23:08
2	Ni 231.604†	2100.5	1739.5	0.139197 mg/L	0.139197 mg/L	12:23:08
2	Pb 220.353†	60.2	87.4	0.0475030 mg/L	0.0475030 mg/L	12:23:08
2	Sb 217.584†	-882.7	-862.3	-0.273560 mg/L	-0.273560 mg/L	12:23:08
2	Se 196.026†	5.1	45.5	0.236237 mg/L	0.236237 mg/L	12:23:08
2	Si 251.611†	75846.3	77914.7	7.04879 mg/L	7.04879 mg/L	12:22:48
2	Sn 189.927†	-279.4	-304.9	0.0916570 mg/L	0.0916570 mg/L	12:23:08
2	Tl 190.801†	-57.5	-22.0	-0.0042278 mg/L	-0.0042278 mg/L	12:23:08
2	V 292.395†	6254.4	7799.7	0.152270 mg/L	0.152270 mg/L	12:23:08
2	Zn 206.200†	3170.4	3352.6	0.300925 mg/L	0.300925 mg/L	12:23:08

Mean Data: 1001286-07

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	219803.4	96.2069	%	0.33483				0.35%
Y 360.076	153561.5	100.054	%	0.4059				0.41%
Ag 328.068†	-5374.8	-0.0532230	mg/L	0.00006702	-0.0532230	mg/L	0.00006702	0.13%
Al 396.153†	149755.4	47.9544	mg/L	0.05598	47.9544	mg/L	0.05598	0.12%
As 188.979†	62.7	0.0844602	mg/L	0.00083160	0.0844602	mg/L	0.00083160	0.98%
B 249.677†	951.1	0.0584473	mg/L	0.00155480	0.0584473	mg/L	0.00155480	2.66%
Ba 455.398†	77260.6	0.266378	mg/L	0.0005674	0.266378	mg/L	0.0005674	0.21%
Be 234.861†	9263.6	0.0019521	mg/L	0.00019551	0.0019521	mg/L	0.00019551	10.02%
Ca 315.887†	1621748.3	1016.12	mg/L	12.452	1016.12	mg/L	12.452	1.23%
Cd 214.437†	703.2	-0.0014722	mg/L	0.00043388	-0.0014722	mg/L	0.00043388	29.47%
Ce 413.764†	5916.6	0.151072	mg/L	0.0016525	0.151072	mg/L	0.0016525	1.09%
Co 228.616†	430.5	0.0558271	mg/L	0.00010391	0.0558271	mg/L	0.00010391	0.19%
Cr 205.557†	1094.5	0.100601	mg/L	0.0002285	0.100601	mg/L	0.0002285	0.23%
Cu 327.397†	4548.6	0.138920	mg/L	0.0007954	0.138920	mg/L	0.0007954	0.57%
Fe 238.204†	318817.4	124.897	mg/L	0.3580	124.897	mg/L	0.3580	0.29%
K 766.490	4998.7	7.53955	mg/L	0.016691	7.53955	mg/L	0.016691	0.22%
Li 670.784†	3083.7	0.0955803	mg/L	0.00155241	0.0955803	mg/L	0.00155241	1.62%
Mg 279.071†	184381.1	379.435	mg/L	0.7226	379.435	mg/L	0.7226	0.19%

Mn 257.610†	1265025.7	8.18708 mg/L	0.014486	8.18708 mg/L	0.014486	0.18%
Mo 202.031†	161.8	0.0208190 mg/L	0.00129240	0.0208190 mg/L	0.00129240	6.21%
Na 589.592†	8590.6	1.32414 mg/L	0.008882	1.32414 mg/L	0.008882	0.67%
Ni 231.604†	1741.5	0.139362 mg/L	0.0002336	0.139362 mg/L	0.0002336	0.17%
Pb 220.353†	98.3	0.0530293 mg/L	0.00781548	0.0530293 mg/L	0.00781548	14.74%
Sb 217.584†	-857.0	-0.270338 mg/L	0.0045566	-0.270338 mg/L	0.0045566	1.69%
Se 196.026†	45.7	0.236290 mg/L	0.0000756	0.236290 mg/L	0.0000756	0.03%
Si 251.611†	77560.7	7.01667 mg/L	0.045429	7.01667 mg/L	0.045429	0.65%
Sn 189.927†	-299.7	0.0920218 mg/L	0.00051586	0.0920218 mg/L	0.00051586	0.56%
Sr 407.771†	386689.2	0.497480 mg/L	0.0058797	0.497480 mg/L	0.0058797	1.18%
Ti 334.940†	29333.3	1.90750 mg/L	0.000481	1.90750 mg/L	0.000481	0.03%
Tl 190.801†	-24.4	-0.0070485 mg/L	0.00398908	-0.0070485 mg/L	0.00398908	56.59%
V 292.395†	7799.2	0.152296 mg/L	0.0000374	0.152296 mg/L	0.0000374	0.02%
Zn 206.200†	3351.0	0.300802 mg/L	0.0001739	0.300802 mg/L	0.0001739	0.06%

Sequence No.: 42
Sample ID: 1000596-ms1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 1/27/2010 12:26:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000596-ms1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	155127.6	155127.6	101.074	%			12:27:14
1	Al 396.153†	171613.9	169594.7	54.2503	mg/L	54.2503	mg/L	12:27:14
1	Ba 455.398†	139162.9	137687.1	0.473870	mg/L	0.473870	mg/L	12:27:14
1	Ca 315.887†	1474657.1	1458852.5	914.059	mg/L	914.059	mg/L	12:27:09
1	Fe 238.204†	301202.4	297968.8	116.729	mg/L	116.729	mg/L	12:27:14
1	K 766.490	13487.3	13507.1	20.4391	mg/L	20.4391	mg/L	12:27:14
1	Li 670.784†	11097.1	11000.2	0.337347	mg/L	0.337347	mg/L	12:27:14
1	Mg 279.071†	179545.3	177622.7	365.527	mg/L	365.527	mg/L	12:27:14
1	Na 589.592†	90614.5	88875.7	13.6807	mg/L	13.6807	mg/L	12:27:14
1	Sr 407.771†	543874.9	537439.9	0.691090	mg/L	0.691090	mg/L	12:27:09
1	Ti 334.940†	41945.1	41505.3	2.69808	mg/L	2.69808	mg/L	12:27:14
1	Sc 357.234	213129.1	213129.1	93.2856	%			12:27:31
1	Ag 328.068†	10322.7	11091.8	0.200546	mg/L	0.200546	mg/L	12:27:51
1	As 188.979†	804.5	882.4	1.36108	mg/L	1.36108	mg/L	12:27:51
1	B 249.677†	5834.1	5856.3	0.321717	mg/L	0.321717	mg/L	12:27:51
1	Be 234.861†	12844.0	14563.2	0.0299867	mg/L	0.0299867	mg/L	12:27:31
1	Cd 214.437†	6904.9	7202.5	0.232838	mg/L	0.232838	mg/L	12:27:51
1	Ce 413.764†	6323.5	6455.6	0.164652	mg/L	0.164652	mg/L	12:27:31
1	Co 228.616†	1773.9	1975.1	0.287718	mg/L	0.287718	mg/L	12:27:51
1	Cr 205.557†	3858.1	4159.1	0.360867	mg/L	0.360867	mg/L	12:27:51
1	Cu 327.397†	12425.5	13065.0	0.403358	mg/L	0.403358	mg/L	12:27:51
1	Mn 257.610†	1072224.8	1149218.7	7.43770	mg/L	7.43770	mg/L	12:27:31
1	Mo 202.031†	2107.2	2177.6	0.268680	mg/L	0.268680	mg/L	12:27:51
1	Ni 231.604†	4714.8	4615.6	0.370977	mg/L	0.370977	mg/L	12:27:51
1	Pb 220.353†	481.1	540.6	0.275811	mg/L	0.275811	mg/L	12:27:51
1	Sb 217.584†	41.3	97.2	0.427692	mg/L	0.427692	mg/L	12:27:51
1	Se 196.026†	574.5	656.0	1.50030	mg/L	1.50030	mg/L	12:27:51
1	Si 251.611†	98382.0	104734.8	9.45499	mg/L	9.45499	mg/L	12:27:31
1	Sn 189.927†	2283.4	2432.5	1.28047	mg/L	1.28047	mg/L	12:27:51
1	Tl 190.801†	845.9	944.5	1.12998	mg/L	1.12998	mg/L	12:27:51
1	V 292.395†	17289.0	19848.0	0.426949	mg/L	0.426949	mg/L	12:27:51
1	Zn 206.200†	5081.2	5512.3	0.507887	mg/L	0.507887	mg/L	12:27:51
2	Y 360.076	157373.8	157373.8	102.538	%			12:27:25
2	Al 396.153†	169939.0	165537.8	52.9566	mg/L	52.9566	mg/L	12:27:25
2	Ba 455.398†	137941.0	134530.2	0.463030	mg/L	0.463030	mg/L	12:27:25
2	Ca 315.887†	1491248.7	1454209.0	911.149	mg/L	911.149	mg/L	12:27:20
2	Fe 238.204†	299104.8	291669.7	114.261	mg/L	114.261	mg/L	12:27:25
2	K 766.490	13353.8	13373.6	20.2366	mg/L	20.2366	mg/L	12:27:25
2	Li 670.784†	11017.2	10765.5	0.330180	mg/L	0.330180	mg/L	12:27:25
2	Mg 279.071†	178227.3	173801.9	357.664	mg/L	357.664	mg/L	12:27:25
2	Na 589.592†	89951.4	86949.4	13.3842	mg/L	13.3842	mg/L	12:27:25
2	Sr 407.771†	548888.6	534649.1	0.687506	mg/L	0.687506	mg/L	12:27:20
2	Ti 334.940†	41677.7	40652.1	2.64267	mg/L	2.64267	mg/L	12:27:25
2	Sc 357.234	220754.1	220754.1	96.6230	%			12:27:57
2	Ag 328.068†	10341.5	10729.1	0.194523	mg/L	0.194523	mg/L	12:28:17

2	As 188.979†	811.7	860.1	1.32667 mg/L	1.32667 mg/L	12:28:17
2	B 249.677†	5880.7	5688.6	0.312438 mg/L	0.312438 mg/L	12:28:17
2	Be 234.861†	12831.6	14074.8	0.0284908 mg/L	0.0284908 mg/L	12:27:57
2	Cd 214.437†	6929.1	6971.9	0.225103 mg/L	0.225103 mg/L	12:28:17
2	Ce 413.764†	6322.2	6220.2	0.158632 mg/L	0.158632 mg/L	12:27:57
2	Co 228.616†	1758.7	1893.8	0.275639 mg/L	0.275639 mg/L	12:28:17
2	Cr 205.557†	3873.8	4032.4	0.349938 mg/L	0.349938 mg/L	12:28:17
2	Cu 327.397†	12472.8	12653.9	0.390584 mg/L	0.390584 mg/L	12:28:17
2	Mn 257.610†	1070871.7	1108117.2	7.17175 mg/L	7.17175 mg/L	12:27:57
2	Mo 202.031†	2112.4	2105.0	0.259749 mg/L	0.259749 mg/L	12:28:17
2	Ni 231.604†	4723.2	4449.7	0.357616 mg/L	0.357616 mg/L	12:28:17
2	Pb 220.353†	484.9	526.7	0.268823 mg/L	0.268823 mg/L	12:28:17
2	Sb 217.584†	36.1	90.3	0.415080 mg/L	0.415080 mg/L	12:28:17
2	Se 196.026†	583.3	643.9	1.47201 mg/L	1.47201 mg/L	12:28:17
2	Si 251.611†	98308.0	101015.5	9.11896 mg/L	9.11896 mg/L	12:27:57
2	Sn 189.927†	2290.8	2355.7	1.24577 mg/L	1.24577 mg/L	12:28:17
2	Tl 190.801†	851.9	919.3	1.10008 mg/L	1.10008 mg/L	12:28:17
2	V 292.395†	17307.9	19227.4	0.413381 mg/L	0.413381 mg/L	12:28:17
2	Zn 206.200†	5128.2	5372.7	0.494941 mg/L	0.494941 mg/L	12:28:17

Mean Data: 1000596-ms1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	216941.6	94.9543	%	2.35992				2.49%
Y 360.076	156250.7	101.806	%	1.0349				1.02%
Ag 328.068†	10910.5	0.197535	mg/L	0.0042594	0.197535	mg/L	0.0042594	2.16%
Al 396.153†	167566.3	53.6035	mg/L	0.91476	53.6035	mg/L	0.91476	1.71%
As 188.979†	871.3	1.34387	mg/L	0.024335	1.34387	mg/L	0.024335	1.81%
B 249.677†	5772.4	0.317077	mg/L	0.0065613	0.317077	mg/L	0.0065613	2.07%
Ba 455.398†	136108.6	0.468450	mg/L	0.0076650	0.468450	mg/L	0.0076650	1.64%
Be 234.861†	14319.0	0.0292387	mg/L	0.00105777	0.0292387	mg/L	0.00105777	3.62%
Ca 315.887†	1456530.8	912.604	mg/L	2.0573	912.604	mg/L	2.0573	0.23%
Cd 214.437†	7087.2	0.228970	mg/L	0.0054693	0.228970	mg/L	0.0054693	2.39%
Ce 413.764†	6337.9	0.161642	mg/L	0.0042567	0.161642	mg/L	0.0042567	2.63%
Co 228.616†	1934.4	0.281678	mg/L	0.0085408	0.281678	mg/L	0.0085408	3.03%
Cr 205.557†	4095.7	0.355403	mg/L	0.0077279	0.355403	mg/L	0.0077279	2.17%
Cu 327.397†	12859.4	0.396971	mg/L	0.0090327	0.396971	mg/L	0.0090327	2.28%
Fe 238.204†	294819.3	115.495	mg/L	1.7449	115.495	mg/L	1.7449	1.51%
K 766.490	13440.3	20.3378	mg/L	0.14315	20.3378	mg/L	0.14315	0.70%
Li 670.784†	10882.9	0.333763	mg/L	0.0050676	0.333763	mg/L	0.0050676	1.52%
Mg 279.071†	175712.3	361.596	mg/L	5.5598	361.596	mg/L	5.5598	1.54%
Mn 257.610†	1128667.9	7.30472	mg/L	0.188055	7.30472	mg/L	0.188055	2.57%
Mo 202.031†	2141.3	0.264214	mg/L	0.0063154	0.264214	mg/L	0.0063154	2.39%
Na 589.592†	87912.6	13.5325	mg/L	0.20964	13.5325	mg/L	0.20964	1.55%
Ni 231.604†	4532.7	0.364296	mg/L	0.0094479	0.364296	mg/L	0.0094479	2.59%
Pb 220.353†	533.7	0.272317	mg/L	0.0049418	0.272317	mg/L	0.0049418	1.81%
Sb 217.584†	93.8	0.421386	mg/L	0.0089180	0.421386	mg/L	0.0089180	2.12%
Se 196.026†	650.0	1.48615	mg/L	0.020004	1.48615	mg/L	0.020004	1.35%
Si 251.611†	102875.2	9.28698	mg/L	0.237613	9.28698	mg/L	0.237613	2.56%
Sn 189.927†	2394.1	1.26312	mg/L	0.024538	1.26312	mg/L	0.024538	1.94%
Sr 407.771†	536044.5	0.689298	mg/L	0.0025344	0.689298	mg/L	0.0025344	0.37%
Ti 334.940†	41078.7	2.67038	mg/L	0.039183	2.67038	mg/L	0.039183	1.47%
Tl 190.801†	931.9	1.11503	mg/L	0.021143	1.11503	mg/L	0.021143	1.90%
V 292.395†	19537.7	0.420165	mg/L	0.0095938	0.420165	mg/L	0.0095938	2.28%
Zn 206.200†	5442.5	0.501414	mg/L	0.0091540	0.501414	mg/L	0.0091540	1.83%

Sequence No.: 43
Sample ID: 1000596-msd1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 1/27/2010 12:31:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000596-msd1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	156462.8	156462.8	101.944	%			12:32:21
1	Al 396.153†	179252.8	175639.0	56.1697	mg/L	56.1697	mg/L	12:32:21
1	Ba 455.398†	133100.5	130565.4	0.449415	mg/L	0.449415	mg/L	12:32:21

1	Ca 315.887†	1434399.5	1406912.5	881.515 mg/L	881.515 mg/L	12:32:16
1	Fe 238.204†	369851.0	362765.2	142.118 mg/L	142.118 mg/L	12:32:16
1	K 766.490	12945.4	12965.2	19.6175 mg/L	19.6175 mg/L	12:32:21
1	Li 670.784†	11347.0	11151.7	0.341972 mg/L	0.341972 mg/L	12:32:21
1	Mg 279.071†	183728.7	180210.5	370.852 mg/L	370.852 mg/L	12:32:21
1	Na 589.592†	91340.4	88822.7	13.6725 mg/L	13.6725 mg/L	12:32:21
1	Sr 407.771†	516495.5	505990.8	0.650700 mg/L	0.650700 mg/L	12:32:16
1	Ti 334.940†	42255.4	41455.5	2.69485 mg/L	2.69485 mg/L	12:32:21
1	Sc 357.234	217464.5	217464.5	95.1831 %		12:32:38
1	Ag 328.068†	9307.1	9804.2	0.183369 mg/L	0.183369 mg/L	12:32:58
1	As 188.979†	800.0	860.5	1.32696 mg/L	1.32696 mg/L	12:32:58
1	B 249.677†	5665.4	5554.4	0.308274 mg/L	0.308274 mg/L	12:32:58
1	Be 234.861†	14459.4	15985.8	0.0282386 mg/L	0.0282386 mg/L	12:32:38
1	Cd 214.437†	7002.2	7157.1	0.226417 mg/L	0.226417 mg/L	12:32:58
1	Ce 413.764†	5619.1	5580.4	0.142206 mg/L	0.142206 mg/L	12:32:38
1	Co 228.616†	1780.0	1943.6	0.282078 mg/L	0.282078 mg/L	12:32:58
1	Cr 205.557†	3860.3	4078.9	0.355605 mg/L	0.355605 mg/L	12:32:58
1	Cu 327.397†	13488.8	13916.6	0.429750 mg/L	0.429750 mg/L	12:32:58
1	Mn 257.610†	1020061.4	1071501.3	6.93595 mg/L	6.93595 mg/L	12:32:38
1	Mo 202.031†	2110.9	2136.5	0.263616 mg/L	0.263616 mg/L	12:32:58
1	Ni 231.604†	4811.0	4615.9	0.370999 mg/L	0.370999 mg/L	12:32:58
1	Pb 220.353†	490.8	540.5	0.275716 mg/L	0.275716 mg/L	12:32:58
1	Sb 217.584†	-14.6	37.6	0.458899 mg/L	0.458899 mg/L	12:32:58
1	Se 196.026†	573.0	642.2	1.50119 mg/L	1.50119 mg/L	12:32:58
1	Si 251.611†	61021.8	63381.5	5.71627 mg/L	5.71627 mg/L	12:32:38
1	Sn 189.927†	2303.4	2404.8	1.26110 mg/L	1.26110 mg/L	12:32:58
1	Tl 190.801†	853.2	934.0	1.11761 mg/L	1.11761 mg/L	12:32:58
1	V 292.395†	17644.9	19852.5	0.422358 mg/L	0.422358 mg/L	12:32:58
1	Zn 206.200†	5409.8	5748.9	0.528843 mg/L	0.528843 mg/L	12:32:58
2	Y 360.076	154123.5	154123.5	100.420 %		12:32:32
2	Al 396.153†	178499.0	177557.1	56.7861 mg/L	56.7861 mg/L	12:32:32
2	Ba 455.398†	132400.7	131850.1	0.453827 mg/L	0.453827 mg/L	12:32:32
2	Ca 315.887†	1448576.7	1442386.1	903.741 mg/L	903.741 mg/L	12:32:26
2	Fe 238.204†	373647.5	372052.2	145.756 mg/L	145.756 mg/L	12:32:26
2	K 766.490	12885.6	12905.4	19.5267 mg/L	19.5267 mg/L	12:32:32
2	Li 670.784†	11256.7	11230.6	0.344384 mg/L	0.344384 mg/L	12:32:32
2	Mg 279.071†	183149.5	182369.1	375.294 mg/L	375.294 mg/L	12:32:32
2	Na 589.592†	90851.8	89696.1	13.8070 mg/L	13.8070 mg/L	12:32:32
2	Sr 407.771†	520930.8	518097.2	0.666249 mg/L	0.666249 mg/L	12:32:26
2	Ti 334.940†	42095.0	41924.9	2.72534 mg/L	2.72534 mg/L	12:32:32
2	Sc 357.234	218262.7	218262.7	95.5325 %		12:33:04
2	Ag 328.068†	9310.3	9771.8	0.183584 mg/L	0.183584 mg/L	12:33:24
2	As 188.979†	817.9	876.1	1.35125 mg/L	1.35125 mg/L	12:33:24
2	B 249.677†	5690.1	5558.5	0.308887 mg/L	0.308887 mg/L	12:33:24
2	Be 234.861†	14626.9	16105.6	0.0275837 mg/L	0.0275837 mg/L	12:33:04
2	Cd 214.437†	6995.5	7123.2	0.224500 mg/L	0.224500 mg/L	12:33:24
2	Ce 413.764†	5559.1	5496.1	0.140031 mg/L	0.140031 mg/L	12:33:04
2	Co 228.616†	1786.7	1943.8	0.281902 mg/L	0.281902 mg/L	12:33:24
2	Cr 205.557†	3896.1	4101.5	0.357751 mg/L	0.357751 mg/L	12:33:24
2	Cu 327.397†	13481.7	13857.2	0.427929 mg/L	0.427929 mg/L	12:33:24
2	Mn 257.610†	1029378.7	1077335.0	6.97382 mg/L	6.97382 mg/L	12:33:04
2	Mo 202.031†	2133.0	2151.5	0.265467 mg/L	0.265467 mg/L	12:33:24
2	Ni 231.604†	4784.6	4569.8	0.367290 mg/L	0.367290 mg/L	12:33:24
2	Pb 220.353†	496.0	544.1	0.277551 mg/L	0.277551 mg/L	12:33:24
2	Sb 217.584†	-28.1	23.5	0.459150 mg/L	0.459150 mg/L	12:33:24
2	Se 196.026†	595.0	663.0	1.54896 mg/L	1.54896 mg/L	12:33:24
2	Si 251.611†	61445.9	63590.9	5.73537 mg/L	5.73537 mg/L	12:33:04
2	Sn 189.927†	2315.6	2408.7	1.26764 mg/L	1.26764 mg/L	12:33:24
2	Tl 190.801†	851.8	929.3	1.11235 mg/L	1.11235 mg/L	12:33:24
2	V 292.395†	17714.9	19858.0	0.421817 mg/L	0.421817 mg/L	12:33:24
2	Zn 206.200†	5430.5	5749.8	0.528583 mg/L	0.528583 mg/L	12:33:24

Mean Data: 1000596-msd1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	217863.6	95.3578	%	0.24705				0.26%
Y 360.076	155293.2	101.182	%	1.0777				1.07%
Ag 328.068†	9788.0	0.183477	mg/L	0.0001517	0.183477	mg/L	0.0001517	0.08%
Al 396.153†	176598.0	56.4779	mg/L	0.43587	56.4779	mg/L	0.43587	0.77%
As 188.979†	868.3	1.33911	mg/L	0.017175	1.33911	mg/L	0.017175	1.28%

B 249.677†	5556.4	0.308580 mg/L	0.0004333	0.308580 mg/L	0.0004333	0.14%
Ba 455.398†	131207.7	0.451621 mg/L	0.0031194	0.451621 mg/L	0.0031194	0.69%
Be 234.861†	16045.7	0.0279112 mg/L	0.00046307	0.0279112 mg/L	0.00046307	1.66%
Ca 315.887†	1424649.3	892.628 mg/L	15.7166	892.628 mg/L	15.7166	1.76%
Cd 214.437†	7140.1	0.225459 mg/L	0.0013555	0.225459 mg/L	0.0013555	0.60%
Ce 413.764†	5538.3	0.141119 mg/L	0.0015383	0.141119 mg/L	0.0015383	1.09%
Co 228.616†	1943.7	0.281990 mg/L	0.0001243	0.281990 mg/L	0.0001243	0.04%
Cr 205.557†	4090.2	0.356678 mg/L	0.0015178	0.356678 mg/L	0.0015178	0.43%
Cu 327.397†	13886.9	0.428840 mg/L	0.0012874	0.428840 mg/L	0.0012874	0.30%
Fe 238.204†	367408.7	143.937 mg/L	2.5729	143.937 mg/L	2.5729	1.79%
K 766.490	12935.3	19.5721 mg/L	0.06417	19.5721 mg/L	0.06417	0.33%
Li 670.784†	11191.2	0.343178 mg/L	0.0017054	0.343178 mg/L	0.0017054	0.50%
Mg 279.071†	181289.8	373.073 mg/L	3.1410	373.073 mg/L	3.1410	0.84%
Mn 257.610†	1074418.1	6.95489 mg/L	0.026779	6.95489 mg/L	0.026779	0.39%
Mo 202.031†	2144.0	0.264542 mg/L	0.0013091	0.264542 mg/L	0.0013091	0.49%
Na 589.592†	89259.4	13.7398 mg/L	0.09505	13.7398 mg/L	0.09505	0.69%
Ni 231.604†	4592.8	0.369144 mg/L	0.0026230	0.369144 mg/L	0.0026230	0.71%
Pb 220.353†	542.3	0.276633 mg/L	0.0012976	0.276633 mg/L	0.0012976	0.47%
Sb 217.584†	30.5	0.459024 mg/L	0.0001776	0.459024 mg/L	0.0001776	0.04%
Se 196.026†	652.6	1.52508 mg/L	0.033777	1.52508 mg/L	0.033777	2.21%
Si 251.611†	63486.2	5.72582 mg/L	0.013504	5.72582 mg/L	0.013504	0.24%
Sn 189.927†	2406.8	1.26437 mg/L	0.004629	1.26437 mg/L	0.004629	0.37%
Sr 407.771†	512044.0	0.658474 mg/L	0.0109943	0.658474 mg/L	0.0109943	1.67%
Ti 334.940†	41690.2	2.71009 mg/L	0.021559	2.71009 mg/L	0.021559	0.80%
Tl 190.801†	931.6	1.11498 mg/L	0.003713	1.11498 mg/L	0.003713	0.33%
V 292.395†	19855.2	0.422088 mg/L	0.0003826	0.422088 mg/L	0.0003826	0.09%
Zn 206.200†	5749.3	0.528713 mg/L	0.0001837	0.528713 mg/L	0.0001837	0.03%

Sequence No.: 44
Sample ID: 0A27004-srd2
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 42
Date Collected: 1/27/2010 12:36:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A27004-srd2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	154065.5	154065.5	100.382	%			12:37:25
1	Al 396.153†	30129.6	29819.7	9.54066	mg/L	47.7033	mg/L	12:37:30
1	Ba 455.398†	15888.1	15830.8	0.0554423	mg/L	0.277212	mg/L	12:37:30
1	Ca 315.887†	335953.3	334542.9	209.605	mg/L	1048.02	mg/L	12:37:25
1	Fe 238.204†	68407.4	68114.7	26.6842	mg/L	133.421	mg/L	12:37:30
1	K 766.490	1016.2	1036.0	1.53171	mg/L	7.65853	mg/L	12:37:30
1	Li 670.784†	583.0	601.8	0.0197834	mg/L	0.0989171	mg/L	12:37:30
1	Mg 279.071†	38430.6	38270.0	78.7579	mg/L	393.790	mg/L	12:37:30
1	Na 589.592†	2536.8	1751.5	0.271555	mg/L	1.35777	mg/L	12:37:30
1	Sr 407.771†	79873.6	78915.0	0.102204	mg/L	0.511022	mg/L	12:37:25
1	Ti 334.940†	6042.6	6025.5	0.393630	mg/L	1.96815	mg/L	12:37:30
1	Sc 357.234	225357.8	225357.8	98.6380	%			12:37:47
1	Ag 328.068†	-1102.8	-1091.8	-0.0092872	mg/L	-0.0464360	mg/L	12:37:47
1	As 188.979†	-2.0	18.0	0.0254634	mg/L	0.127317	mg/L	12:38:07
1	B 249.677†	545.0	154.8	0.0054379	mg/L	0.0271893	mg/L	12:37:47
1	Be 234.861†	1150.2	1960.8	0.0003328	mg/L	0.0016642	mg/L	12:37:47
1	Cd 214.437†	314.6	119.5	-0.0019592	mg/L	-0.0097962	mg/L	12:38:07
1	Ce 413.764†	1587.1	1286.0	0.0328448	mg/L	0.164224	mg/L	12:37:47
1	Co 228.616†	17.1	90.9	0.0113681	mg/L	0.0568407	mg/L	12:38:07
1	Cr 205.557†	212.2	238.3	0.0217275	mg/L	0.108638	mg/L	12:38:07
1	Cu 327.397†	1181.7	943.2	0.0262396	mg/L	0.131198	mg/L	12:37:47
1	Mn 257.610†	270530.7	274084.6	1.77368	mg/L	8.86842	mg/L	12:37:47
1	Mo 202.031†	182.8	104.1	0.0137265	mg/L	0.0686326	mg/L	12:38:07
1	Ni 231.604†	807.5	380.1	0.0297653	mg/L	0.148826	mg/L	12:38:07
1	Pb 220.353†	5.2	30.2	0.0180857	mg/L	0.0904285	mg/L	12:38:07
1	Sb 217.584†	-226.7	-176.9	-0.0507899	mg/L	-0.253950	mg/L	12:38:07
1	Se 196.026†	-19.4	20.6	0.0678011	mg/L	0.339005	mg/L	12:38:07
1	Si 251.611†	16156.2	15650.9	1.42407	mg/L	7.12034	mg/L	12:37:47
1	Sn 189.927†	-156.6	-173.9	-0.0282361	mg/L	-0.141181	mg/L	12:38:07
1	Tl 190.801†	-44.8	-7.8	-0.0028662	mg/L	-0.0143312	mg/L	12:38:07
1	V 292.395†	300.3	1619.1	0.0321340	mg/L	0.160670	mg/L	12:38:07
1	Zn 206.200†	648.3	722.6	0.0644577	mg/L	0.322289	mg/L	12:38:07

2	Y 360.076	156193.6	156193.6	101.769 %			12:37:35
2	Al 396.153†	30123.5	29404.7	9.40831 mg/L	47.0415 mg/L		12:37:40
2	Ba 455.398†	15882.7	15609.9	0.0546835 mg/L	0.273418 mg/L		12:37:40
2	Ca 315.887†	340144.6	334101.5	209.328 mg/L	1046.64 mg/L		12:37:35
2	Fe 238.204†	68382.5	67161.7	26.3109 mg/L	131.554 mg/L		12:37:40
2	K 766.490	969.8	989.6	1.46136 mg/L	7.30679 mg/L		12:37:40
2	Li 670.784†	644.3	654.1	0.0213818 mg/L	0.106909 mg/L		12:37:40
2	Mg 279.071†	38364.5	37683.4	77.5509 mg/L	387.755 mg/L		12:37:40
2	Na 589.592†	2498.4	1679.3	0.260438 mg/L	1.30219 mg/L		12:37:40
2	Sr 407.771†	80830.6	78771.3	0.102020 mg/L	0.510099 mg/L		12:37:35
2	Ti 334.940†	6028.9	5930.1	0.387431 mg/L	1.93716 mg/L		12:37:40
2	Sc 357.234	228939.7	228939.7	100.206 %			12:38:12
2	Ag 328.068†	-1089.1	-1060.7	-0.0088623 mg/L	-0.0443116 mg/L		12:38:12
2	As 188.979†	-7.9	12.2	0.0163470 mg/L	0.0817352 mg/L		12:38:32
2	B 249.677†	557.2	158.4	0.0055884 mg/L	0.0279418 mg/L		12:38:12
2	Be 234.861†	1193.4	1985.7	0.0005783 mg/L	0.0028913 mg/L		12:38:12
2	Cd 214.437†	324.3	124.2	-0.0017116 mg/L	-0.0085579 mg/L		12:38:32
2	Ce 413.764†	1559.5	1233.2	0.0314929 mg/L	0.157465 mg/L		12:38:12
2	Co 228.616†	23.9	97.4	0.0123881 mg/L	0.0619404 mg/L		12:38:32
2	Cr 205.557†	208.5	231.3	0.0211060 mg/L	0.105530 mg/L		12:38:32
2	Cu 327.397†	1169.8	912.5	0.0252841 mg/L	0.126421 mg/L		12:38:12
2	Mn 257.610†	270644.0	269906.6	1.74665 mg/L	8.73323 mg/L		12:38:12
2	Mo 202.031†	189.7	108.0	0.0142079 mg/L	0.0710396 mg/L		12:38:32
2	Ni 231.604†	811.5	371.3	0.0290526 mg/L	0.145263 mg/L		12:38:32
2	Pb 220.353†	-3.3	21.7	0.0137890 mg/L	0.0689449 mg/L		12:38:32
2	Sb 217.584†	-238.8	-185.4	-0.0583708 mg/L	-0.291854 mg/L		12:38:32
2	Se 196.026†	-26.0	14.3	0.0541951 mg/L	0.270976 mg/L		12:38:32
2	Si 251.611†	16204.8	15443.2	1.40532 mg/L	7.02661 mg/L		12:38:12
2	Sn 189.927†	-162.0	-176.9	-0.0295855 mg/L	-0.147928 mg/L		12:38:32
2	Tl 190.801†	-48.6	-10.9	-0.0066186 mg/L	-0.0330930 mg/L		12:38:32
2	V 292.395†	274.7	1588.8	0.0315311 mg/L	0.157655 mg/L		12:38:32
2	Zn 206.200†	651.7	715.8	0.0638591 mg/L	0.319296 mg/L		12:38:32

Mean Data: 0A27004-srd2

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	227148.7	99.4219	%	1.10860				1.12%
Y 360.076	155129.6	101.076	%	0.9804				0.97%
Ag 328.068†	-1076.3	-0.0090748	mg/L	0.00030044	-0.0453738	mg/L	0.00150222	3.31%
Al 396.153†	29612.2	9.47448	mg/L	0.093587	47.3724	mg/L	0.46793	0.99%
As 188.979†	15.1	0.0209052	mg/L	0.00644624	0.104526	mg/L	0.0322312	30.84%
B 249.677†	156.6	0.0055131	mg/L	0.00010642	0.0275656	mg/L	0.00053208	1.93%
Ba 455.398†	15720.3	0.0550629	mg/L	0.00053653	0.275315	mg/L	0.0026827	0.97%
Be 234.861†	1973.2	0.0004556	mg/L	0.00017355	0.0022778	mg/L	0.00086774	38.10%
Ca 315.887†	334322.2	209.466	mg/L	0.1956	1047.33	mg/L	0.978	0.09%
Cd 214.437†	121.9	-0.0018354	mg/L	0.00017512	-0.0091770	mg/L	0.00087559	9.54%
Ce 413.764†	1259.6	0.0321688	mg/L	0.00095593	0.160844	mg/L	0.0047797	2.97%
Co 228.616†	94.2	0.0118781	mg/L	0.00072121	0.0593905	mg/L	0.00360605	6.07%
Cr 205.557†	234.8	0.0214168	mg/L	0.00043951	0.107084	mg/L	0.0021975	2.05%
Cu 327.397†	927.8	0.0257619	mg/L	0.00067564	0.128809	mg/L	0.0033782	2.62%
Fe 238.204†	67638.2	26.4975	mg/L	0.26398	132.488	mg/L	1.3199	1.00%
K 766.490	1012.8	1.49653	mg/L	0.049744	7.48266	mg/L	0.248718	3.32%
Li 670.784†	628.0	0.0205826	mg/L	0.00113022	0.102913	mg/L	0.0056511	5.49%
Mg 279.071†	37976.7	78.1544	mg/L	0.85348	390.772	mg/L	4.2674	1.09%
Mn 257.610†	271995.6	1.76016	mg/L	0.019119	8.80082	mg/L	0.095596	1.09%
Mo 202.031†	106.1	0.0139672	mg/L	0.00034040	0.0698361	mg/L	0.00170201	2.44%
Na 589.592†	1715.4	0.265997	mg/L	0.0078605	1.32998	mg/L	0.039302	2.96%
Ni 231.604†	375.7	0.0294089	mg/L	0.00050389	0.147045	mg/L	0.0025195	1.71%
Pb 220.353†	25.9	0.0159373	mg/L	0.00303825	0.0796867	mg/L	0.01519124	19.06%
Sb 217.584†	-181.1	-0.0545804	mg/L	0.00536052	-0.272902	mg/L	0.0268026	9.82%
Se 196.026†	17.4	0.0609981	mg/L	0.00962084	0.304990	mg/L	0.0481042	15.77%
Si 251.611†	15547.0	1.41470	mg/L	0.013255	7.07348	mg/L	0.066277	0.94%
Sn 189.927†	-175.4	-0.0289108	mg/L	0.00095418	-0.144554	mg/L	0.0047709	3.30%
Sr 407.771†	78843.2	0.102112	mg/L	0.0001305	0.510561	mg/L	0.0006526	0.13%
Ti 334.940†	5977.8	0.390531	mg/L	0.0043833	1.95265	mg/L	0.021916	1.12%
Tl 190.801†	-9.3	-0.0047424	mg/L	0.00265332	-0.0237121	mg/L	0.01326659	55.95%
V 292.395†	1603.9	0.0318325	mg/L	0.00042632	0.159163	mg/L	0.0021316	1.34%
Zn 206.200†	719.2	0.0641584	mg/L	0.00042327	0.320792	mg/L	0.0021163	0.66%

==========

Sequence No.: 45
Sample ID: 1000596-ps1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 1/27/2010 12:41:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000596-ps1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	152802.6	152802.6	99.5594	%			12:42:36
1	Al 396.153†	153036.2	153518.2	49.1521	mg/L	49.1521	mg/L	12:42:36
1	Ba 455.398†	145996.3	146645.7	0.504631	mg/L	0.504631	mg/L	12:42:36
1	Ca 315.887†	1631876.0	1638966.2	1026.91	mg/L	1026.91	mg/L	12:42:31
1	Fe 238.204†	318233.2	319609.2	125.206	mg/L	125.206	mg/L	12:42:36
1	K 766.490	12854.8	12874.6	19.4801	mg/L	19.4801	mg/L	12:42:36
1	Li 670.784†	10940.0	11009.5	0.337629	mg/L	0.337629	mg/L	12:42:36
1	Mg 279.071†	188965.6	189787.5	390.560	mg/L	390.560	mg/L	12:42:36
1	Na 589.592†	89467.2	89087.4	13.7133	mg/L	13.7133	mg/L	12:42:36
1	Sr 407.771†	570622.1	572492.8	0.736109	mg/L	0.736109	mg/L	12:42:31
1	Ti 334.940†	32593.5	32743.7	2.12901	mg/L	2.12901	mg/L	12:42:36
1	Sc 357.234	216836.3	216836.3	94.9082	%			12:42:53
1	Ag 328.068†	9934.7	10493.9	0.193571	mg/L	0.193571	mg/L	12:43:14
1	As 188.979†	813.8	877.5	1.35744	mg/L	1.35744	mg/L	12:43:14
1	B 249.677†	5707.5	5616.0	0.310084	mg/L	0.310084	mg/L	12:43:14
1	Be 234.861†	12969.7	14460.3	0.0266799	mg/L	0.0266799	mg/L	12:42:53
1	Cd 214.437†	6763.4	6926.9	0.221626	mg/L	0.221626	mg/L	12:43:14
1	Ce 413.764†	5876.3	5868.5	0.149803	mg/L	0.149803	mg/L	12:42:53
1	Co 228.616†	1746.7	1914.0	0.279453	mg/L	0.279453	mg/L	12:43:14
1	Cr 205.557†	3653.0	3872.3	0.336972	mg/L	0.336972	mg/L	12:43:14
1	Cu 327.397†	12530.9	12948.3	0.399394	mg/L	0.399394	mg/L	12:43:14
1	Mn 257.610†	1230402.0	1296231.1	8.38894	mg/L	8.38894	mg/L	12:42:53
1	Mo 202.031†	1973.3	1998.0	0.246587	mg/L	0.246587	mg/L	12:43:14
1	Ni 231.604†	4729.8	4545.0	0.365270	mg/L	0.365270	mg/L	12:43:14
1	Pb 220.353†	519.3	572.1	0.291311	mg/L	0.291311	mg/L	12:43:14
1	Sb 217.584†	599.1	684.2	0.897500	mg/L	0.897500	mg/L	12:43:14
1	Se 196.026†	557.2	627.3	1.45022	mg/L	1.45022	mg/L	12:43:14
1	Si 251.611†	86058.0	89946.6	8.13273	mg/L	8.13273	mg/L	12:42:53
1	Sn 189.927†	2132.0	2231.3	1.21590	mg/L	1.21590	mg/L	12:43:14
1	Tl 190.801†	828.5	910.5	1.08488	mg/L	1.08488	mg/L	12:43:14
1	V 292.395†	16588.5	18793.1	0.401796	mg/L	0.401796	mg/L	12:43:14
1	Zn 206.200†	5337.5	5689.2	0.523740	mg/L	0.523740	mg/L	12:43:14
2	Y 360.076	154339.4	154339.4	100.561	%			12:42:47
2	Al 396.153†	153259.8	152210.1	48.7341	mg/L	48.7341	mg/L	12:42:47
2	Ba 455.398†	146354.0	145541.3	0.500839	mg/L	0.500839	mg/L	12:42:47
2	Ca 315.887†	1640665.3	1631386.4	1022.16	mg/L	1022.16	mg/L	12:42:42
2	Fe 238.204†	319661.3	317846.7	124.516	mg/L	124.516	mg/L	12:42:47
2	K 766.490	12920.4	12940.2	19.5796	mg/L	19.5796	mg/L	12:42:47
2	Li 670.784†	10962.3	10922.2	0.334966	mg/L	0.334966	mg/L	12:42:47
2	Mg 279.071†	189616.3	188544.8	388.003	mg/L	388.003	mg/L	12:42:47
2	Na 589.592†	89658.4	88382.8	13.6048	mg/L	13.6048	mg/L	12:42:47
2	Sr 407.771†	572070.8	568226.7	0.730630	mg/L	0.730630	mg/L	12:42:42
2	Ti 334.940†	32716.5	32540.0	2.11578	mg/L	2.11578	mg/L	12:42:47
2	Sc 357.234	219527.7	219527.7	96.0862	%			12:43:19
2	Ag 328.068†	9900.6	10330.0	0.190881	mg/L	0.190881	mg/L	12:43:39
2	As 188.979†	816.7	870.0	1.34568	mg/L	1.34568	mg/L	12:43:39
2	B 249.677†	5741.6	5577.8	0.307951	mg/L	0.307951	mg/L	12:43:39
2	Be 234.861†	13091.9	14419.8	0.0267216	mg/L	0.0267216	mg/L	12:43:19
2	Cd 214.437†	6789.7	6866.9	0.219630	mg/L	0.219630	mg/L	12:43:39
2	Ce 413.764†	5958.8	5878.5	0.150062	mg/L	0.150062	mg/L	12:43:19
2	Co 228.616†	1755.6	1900.6	0.277494	mg/L	0.277494	mg/L	12:43:39
2	Cr 205.557†	3647.4	3819.2	0.332418	mg/L	0.332418	mg/L	12:43:39
2	Cu 327.397†	12533.3	12789.0	0.394448	mg/L	0.394448	mg/L	12:43:39
2	Mn 257.610†	1247551.5	1298185.3	8.40155	mg/L	8.40155	mg/L	12:43:19
2	Mo 202.031†	1983.2	1982.7	0.244712	mg/L	0.244712	mg/L	12:43:39
2	Ni 231.604†	4719.8	4473.5	0.359503	mg/L	0.359503	mg/L	12:43:39
2	Pb 220.353†	504.7	550.1	0.280257	mg/L	0.280257	mg/L	12:43:39
2	Sb 217.584†	600.6	678.0	0.890687	mg/L	0.890687	mg/L	12:43:39
2	Se 196.026†	571.3	634.8	1.46510	mg/L	1.46510	mg/L	12:43:39
2	Si 251.611†	87190.5	90013.5	8.13895	mg/L	8.13895	mg/L	12:43:19
2	Sn 189.927†	2138.3	2210.3	1.20557	mg/L	1.20557	mg/L	12:43:39

2	Tl 190.801†	828.0	899.3	1.07173 mg/L	1.07173 mg/L	12:43:39
2	V 292.395†	16645.6	18638.2	0.398427 mg/L	0.398427 mg/L	12:43:39
2	Zn 206.200†	5374.6	5658.9	0.520970 mg/L	0.520970 mg/L	12:43:39

Mean Data: 1000596-ps1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	218182.0	95.4972	%	0.83298				0.87%
Y 360.076	153571.0	100.060	%	0.7080				0.71%
Ag 328.068†	10411.9	0.192226	mg/L	0.0019025	0.192226	mg/L	0.0019025	0.99%
Al 396.153†	152864.2	48.9431	mg/L	0.29558	48.9431	mg/L	0.29558	0.60%
As 188.979†	873.8	1.35156	mg/L	0.008313	1.35156	mg/L	0.008313	0.62%
B 249.677†	5596.9	0.309018	mg/L	0.0015083	0.309018	mg/L	0.0015083	0.49%
Ba 455.398†	146093.5	0.502735	mg/L	0.0026816	0.502735	mg/L	0.0026816	0.53%
Be 234.861†	14440.0	0.0267008	mg/L	0.00002948	0.0267008	mg/L	0.00002948	0.11%
Ca 315.887†	1635176.3	1024.54	mg/L	3.358	1024.54	mg/L	3.358	0.33%
Cd 214.437†	6896.9	0.220628	mg/L	0.0014110	0.220628	mg/L	0.0014110	0.64%
Ce 413.764†	5873.5	0.149933	mg/L	0.0001834	0.149933	mg/L	0.0001834	0.12%
Co 228.616†	1907.3	0.278473	mg/L	0.0013855	0.278473	mg/L	0.0013855	0.50%
Cr 205.557†	3845.7	0.334695	mg/L	0.0032204	0.334695	mg/L	0.0032204	0.96%
Cu 327.397†	12868.6	0.396921	mg/L	0.0034971	0.396921	mg/L	0.0034971	0.88%
Fe 238.204†	318728.0	124.861	mg/L	0.4882	124.861	mg/L	0.4882	0.39%
K 766.490	12907.4	19.5298	mg/L	0.07034	19.5298	mg/L	0.07034	0.36%
Li 670.784†	10965.8	0.336298	mg/L	0.0018833	0.336298	mg/L	0.0018833	0.56%
Mg 279.071†	189166.2	389.282	mg/L	1.8083	389.282	mg/L	1.8083	0.46%
Mn 257.610†	1297208.2	8.39524	mg/L	0.008920	8.39524	mg/L	0.008920	0.11%
Mo 202.031†	1990.3	0.245650	mg/L	0.0013258	0.245650	mg/L	0.0013258	0.54%
Na 589.592†	88735.1	13.6591	mg/L	0.07668	13.6591	mg/L	0.07668	0.56%
Ni 231.604†	4509.3	0.362386	mg/L	0.0040778	0.362386	mg/L	0.0040778	1.13%
Pb 220.353†	561.1	0.285784	mg/L	0.0078168	0.285784	mg/L	0.0078168	2.74%
Sb 217.584†	681.1	0.894094	mg/L	0.0048172	0.894094	mg/L	0.0048172	0.54%
Se 196.026†	631.0	1.45766	mg/L	0.010522	1.45766	mg/L	0.010522	0.72%
Si 251.611†	89980.1	8.13584	mg/L	0.004403	8.13584	mg/L	0.004403	0.05%
Sn 189.927†	2220.8	1.21074	mg/L	0.007309	1.21074	mg/L	0.007309	0.60%
Sr 407.771†	570359.8	0.733370	mg/L	0.0038742	0.733370	mg/L	0.0038742	0.53%
Ti 334.940†	32641.9	2.12239	mg/L	0.009357	2.12239	mg/L	0.009357	0.44%
Tl 190.801†	904.9	1.07831	mg/L	0.009302	1.07831	mg/L	0.009302	0.86%
V 292.395†	18715.7	0.400112	mg/L	0.0023818	0.400112	mg/L	0.0023818	0.60%
Zn 206.200†	5674.1	0.522355	mg/L	0.0019593	0.522355	mg/L	0.0019593	0.38%

==========

Sequence No.: 46
Sample ID: 1001286-08
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 1/27/2010 12:46:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001286-08

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	161400.0	161400.0	105.161	%			12:47:43
1	Al 396.153†	126453.8	120052.5	38.2702	mg/L	38.2702	mg/L	12:47:38
1	Ba 455.398†	1010414.4	960828.7	3.30036	mg/L	3.30036	mg/L	12:47:38
1	Ca 315.887†	115855.3	110038.4	68.9379	mg/L	68.9379	mg/L	12:47:43
1	Fe 238.204†	262489.3	249574.7	97.7883	mg/L	97.7883	mg/L	12:47:38
1	K 766.490	4746.8	4766.6	7.18756	mg/L	7.18756	mg/L	12:47:43
1	Li 670.784†	2327.5	2234.3	0.0696397	mg/L	0.0696397	mg/L	12:47:43
1	Mg 279.071†	10326.1	9805.0	20.1810	mg/L	20.1810	mg/L	12:47:43
1	Na 589.592†	13208.5	11784.6	1.81573	mg/L	1.81573	mg/L	12:47:43
1	Sr 407.771†	1456380.4	1384250.0	1.77865	mg/L	1.77865	mg/L	12:47:38
1	Ti 334.940†	48383.3	46014.7	2.99098	mg/L	2.99098	mg/L	12:47:43
1	Sc 357.234	238750.4	238750.4	104.500	%			12:48:00
1	Ag 328.068†	-3822.1	-3631.3	-0.0404616	mg/L	-0.0404616	mg/L	12:48:00
1	As 188.979†	147.6	161.3	0.231399	mg/L	0.231399	mg/L	12:48:20
1	B 249.677†	1557.1	1092.3	0.0622568	mg/L	0.0622568	mg/L	12:48:00
1	Be 234.861†	11346.1	11652.3	0.0225567	mg/L	0.0225567	mg/L	12:48:00
1	Cd 214.437†	707.9	478.0	-0.0036093	mg/L	-0.0036093	mg/L	12:48:20
1	Ce 413.764†	6690.3	6079.2	0.154834	mg/L	0.154834	mg/L	12:48:00
1	Co 228.616†	280.2	341.7	0.0409432	mg/L	0.0409432	mg/L	12:48:20

1	Cr 205.557†	702.0	695.0	0.0649365 mg/L	0.0649365 mg/L	12:48:20
1	Cu 327.397†	6820.5	6272.0	0.192981 mg/L	0.192981 mg/L	12:48:00
1	Mn 257.610†	302315.7	289116.2	1.87359 mg/L	1.87359 mg/L	12:48:00
1	Mo 202.031†	201.1	111.2	0.0145942 mg/L	0.0145942 mg/L	12:48:20
1	Ni 231.604†	1781.8	1266.5	0.101104 mg/L	0.101104 mg/L	12:48:20
1	Pb 220.353†	1497.4	1457.8	0.738967 mg/L	0.738967 mg/L	12:48:20
1	Sb 217.584†	-597.8	-519.1	-0.0960830 mg/L	-0.0960830 mg/L	12:48:20
1	Se 196.026†	1.5	41.7	0.195991 mg/L	0.195991 mg/L	12:48:20
1	Si 251.611†	41284.1	38778.0	3.46884 mg/L	3.46884 mg/L	12:48:00
1	Sn 189.927†	-83.4	-95.0	-0.0239492 mg/L	-0.0239492 mg/L	12:48:20
1	Tl 190.801†	-84.2	-43.0	-0.0183591 mg/L	-0.0183591 mg/L	12:48:20
1	V 292.395†	6475.1	7510.9	0.150032 mg/L	0.150032 mg/L	12:48:00
1	Zn 206.200†	2522.4	2479.1	0.228948 mg/L	0.228948 mg/L	12:48:20
2	Y 360.076	160666.1	160666.1	104.683 %		12:47:54
2	Al 396.153†	126712.0	120848.4	38.5240 mg/L	38.5240 mg/L	12:47:49
2	Ba 455.398†	1012806.1	967502.0	3.32327 mg/L	3.32327 mg/L	12:47:49
2	Ca 315.887†	115735.8	110427.4	69.1816 mg/L	69.1816 mg/L	12:47:54
2	Fe 238.204†	263639.9	251813.8	98.6657 mg/L	98.6657 mg/L	12:47:49
2	K 766.490	4754.8	4774.7	7.19982 mg/L	7.19982 mg/L	12:47:54
2	Li 670.784†	2309.9	2227.6	0.0694333 mg/L	0.0694333 mg/L	12:47:54
2	Mg 279.071†	10322.9	9846.8	20.2670 mg/L	20.2670 mg/L	12:47:54
2	Na 589.592†	13178.5	11813.3	1.82014 mg/L	1.82014 mg/L	12:47:54
2	Sr 407.771†	1459406.3	1393466.1	1.79049 mg/L	1.79049 mg/L	12:47:49
2	Ti 334.940†	48341.5	46185.0	3.00203 mg/L	3.00203 mg/L	12:47:54
2	Sc 357.234	237379.1	237379.1	103.900 %		12:48:25
2	Ag 328.068†	-3857.8	-3686.8	-0.0411955 mg/L	-0.0411955 mg/L	12:48:25
2	As 188.979†	148.1	162.6	0.233356 mg/L	0.233356 mg/L	12:48:45
2	B 249.677†	1617.3	1159.0	0.0659502 mg/L	0.0659502 mg/L	12:48:25
2	Be 234.861†	11391.8	11759.0	0.0227699 mg/L	0.0227699 mg/L	12:48:25
2	Cd 214.437†	707.7	481.8	-0.0036521 mg/L	-0.0036521 mg/L	12:48:45
2	Ce 413.764†	6745.9	6169.7	0.157153 mg/L	0.157153 mg/L	12:48:25
2	Co 228.616†	278.3	341.4	0.0408431 mg/L	0.0408431 mg/L	12:48:45
2	Cr 205.557†	692.5	689.7	0.0645433 mg/L	0.0645433 mg/L	12:48:45
2	Cu 327.397†	6793.1	6283.3	0.193339 mg/L	0.193339 mg/L	12:48:25
2	Mn 257.610†	302505.9	290970.4	1.88561 mg/L	1.88561 mg/L	12:48:25
2	Mo 202.031†	186.5	98.2	0.0130020 mg/L	0.0130020 mg/L	12:48:45
2	Ni 231.604†	1786.6	1281.0	0.102269 mg/L	0.102269 mg/L	12:48:45
2	Pb 220.353†	1510.6	1478.8	0.749521 mg/L	0.749521 mg/L	12:48:45
2	Sb 217.584†	-596.3	-521.0	-0.0948559 mg/L	-0.0948559 mg/L	12:48:45
2	Se 196.026†	-12.8	27.9	0.168169 mg/L	0.168169 mg/L	12:48:45
2	Si 251.611†	41232.7	38956.7	3.48497 mg/L	3.48497 mg/L	12:48:25
2	Sn 189.927†	-79.7	-91.8	-0.0224993 mg/L	-0.0224993 mg/L	12:48:45
2	Tl 190.801†	-74.3	-33.9	-0.0076245 mg/L	-0.0076245 mg/L	12:48:45
2	V 292.395†	6490.7	7561.7	0.150990 mg/L	0.150990 mg/L	12:48:25
2	Zn 206.200†	2533.7	2503.9	0.231259 mg/L	0.231259 mg/L	12:48:45

Mean Data: 1001286-08

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	238064.7	104.200	%	0.4244				0.41%
Y 360.076	161033.0	104.922	%	0.3381				0.32%
Ag 328.068†	-3659.1	-0.0408285	mg/L	0.00051894	-0.0408285	mg/L	0.00051894	1.27%
Al 396.153†	120450.4	38.3971	mg/L	0.17947	38.3971	mg/L	0.17947	0.47%
As 188.979†	161.9	0.232378	mg/L	0.0013834	0.232378	mg/L	0.0013834	0.60%
B 249.677†	1125.6	0.0641035	mg/L	0.00261163	0.0641035	mg/L	0.00261163	4.07%
Ba 455.398†	964165.4	3.31181	mg/L	0.016203	3.31181	mg/L	0.016203	0.49%
Be 234.861†	11705.6	0.0226633	mg/L	0.00015077	0.0226633	mg/L	0.00015077	0.67%
Ca 315.887†	110232.9	69.0597	mg/L	0.17237	69.0597	mg/L	0.17237	0.25%
Cd 214.437†	479.9	-0.0036307	mg/L	0.00003033	-0.0036307	mg/L	0.00003033	0.84%
Ce 413.764†	6124.5	0.155994	mg/L	0.0016396	0.155994	mg/L	0.0016396	1.05%
Co 228.616†	341.5	0.0408931	mg/L	0.00007077	0.0408931	mg/L	0.00007077	0.17%
Cr 205.557†	692.4	0.0647399	mg/L	0.00027802	0.0647399	mg/L	0.00027802	0.43%
Cu 327.397†	6277.6	0.193160	mg/L	0.0002525	0.193160	mg/L	0.0002525	0.13%
Fe 238.204†	250694.3	98.2270	mg/L	0.62038	98.2270	mg/L	0.62038	0.63%
K 766.490	4770.6	7.19369	mg/L	0.008668	7.19369	mg/L	0.008668	0.12%
Li 670.784†	2230.9	0.0695365	mg/L	0.00014594	0.0695365	mg/L	0.00014594	0.21%
Mg 279.071†	9825.9	20.2240	mg/L	0.06081	20.2240	mg/L	0.06081	0.30%
Mn 257.610†	290043.3	1.87960	mg/L	0.008504	1.87960	mg/L	0.008504	0.45%
Mo 202.031†	104.7	0.0137981	mg/L	0.00112588	0.0137981	mg/L	0.00112588	8.16%
Na 589.592†	11798.9	1.81794	mg/L	0.003122	1.81794	mg/L	0.003122	0.17%

Ni 231.604†	1273.8	0.101687 mg/L	0.0008240	0.101687 mg/L	0.0008240	0.81%
Pb 220.353†	1468.3	0.744244 mg/L	0.0074629	0.744244 mg/L	0.0074629	1.00%
Sb 217.584†	-520.0	-0.0954694 mg/L	0.00086773	-0.0954694 mg/L	0.00086773	0.91%
Se 196.026†	34.8	0.182080 mg/L	0.0196735	0.182080 mg/L	0.0196735	10.80%
Si 251.611†	38867.3	3.47691 mg/L	0.011403	3.47691 mg/L	0.011403	0.33%
Sn 189.927†	-93.4	-0.0232242 mg/L	0.00102528	-0.0232242 mg/L	0.00102528	4.41%
Sr 407.771†	1388858.1	1.78457 mg/L	0.008370	1.78457 mg/L	0.008370	0.47%
Ti 334.940†	46099.8	2.99650 mg/L	0.007818	2.99650 mg/L	0.007818	0.26%
Tl 190.801†	-38.4	-0.0129918 mg/L	0.00759050	-0.0129918 mg/L	0.00759050	58.43%
V 292.395†	7536.3	0.150511 mg/L	0.0006775	0.150511 mg/L	0.0006775	0.45%
Zn 206.200†	2491.5	0.230103 mg/L	0.0016340	0.230103 mg/L	0.0016340	0.71%

Sequence No.: 47
Sample ID: 1001286-09
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 1/27/2010 12:51:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001286-09

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	161397.6	161397.6	105.160	%			12:52:53
1	Al 396.153†	127622.5	121165.7	38.6192	mg/L	38.6192	mg/L	12:52:48
1	Ba 455.398†	3401065.3	3234199.5	11.1066	mg/L	11.1066	mg/L	12:52:48
1	Ca 315.887†	72379.5	68697.2	43.0349	mg/L	43.0349	mg/L	12:52:53
1	Fe 238.204†	239275.5	227503.5	89.1406	mg/L	89.1406	mg/L	12:52:48
1	K 766.490	4504.2	4524.0	6.81985	mg/L	6.81985	mg/L	12:52:53
1	Li 670.784†	2141.8	2057.8	0.0642475	mg/L	0.0642475	mg/L	12:52:53
1	Mg 279.071†	8354.8	7930.7	16.3238	mg/L	16.3238	mg/L	12:52:53
1	Na 589.592†	12102.5	10733.0	1.65388	mg/L	1.65388	mg/L	12:52:53
1	Sr 407.771†	1494044.4	1420086.5	1.82468	mg/L	1.82468	mg/L	12:52:48
1	Ti 334.940†	47682.4	45348.8	2.94773	mg/L	2.94773	mg/L	12:52:53
1	Sc 357.234	238407.1	238407.1	104.350	%			12:53:10
1	Ag 328.068†	-3580.0	-3404.6	-0.0383681	mg/L	-0.0383681	mg/L	12:53:10
1	As 188.979†	88.6	104.9	0.143506	mg/L	0.143506	mg/L	12:53:30
1	B 249.677†	1437.3	979.7	0.0552094	mg/L	0.0552094	mg/L	12:53:10
1	Be 234.861†	10429.9	10789.9	0.0213390	mg/L	0.0213390	mg/L	12:53:10
1	Cd 214.437†	676.7	449.1	-0.0030984	mg/L	-0.0030984	mg/L	12:53:30
1	Ce 413.764†	6625.2	6026.1	0.153488	mg/L	0.153488	mg/L	12:53:10
1	Co 228.616†	294.2	355.5	0.0434343	mg/L	0.0434343	mg/L	12:53:30
1	Cr 205.557†	657.9	653.7	0.0608915	mg/L	0.0608915	mg/L	12:53:30
1	Cu 327.397†	6667.2	6134.4	0.188693	mg/L	0.188693	mg/L	12:53:10
1	Mn 257.610†	256190.5	245330.1	1.59004	mg/L	1.59004	mg/L	12:53:10
1	Mo 202.031†	175.6	87.1	0.0116295	mg/L	0.0116295	mg/L	12:53:30
1	Ni 231.604†	1771.3	1258.9	0.100481	mg/L	0.100481	mg/L	12:53:30
1	Pb 220.353†	1831.9	1780.5	0.901601	mg/L	0.901601	mg/L	12:53:30
1	Sb 217.584†	-547.7	-471.9	-0.0863198	mg/L	-0.0863198	mg/L	12:53:30
1	Se 196.026†	-4.3	36.1	0.174176	mg/L	0.174176	mg/L	12:53:30
1	Si 251.611†	40502.3	38085.6	3.40506	mg/L	3.40506	mg/L	12:53:10
1	Sn 189.927†	-73.3	-85.4	-0.0253645	mg/L	-0.0253645	mg/L	12:53:30
1	Tl 190.801†	-71.2	-30.6	-0.0043805	mg/L	-0.0043805	mg/L	12:53:30
1	V 292.395†	6515.5	7558.5	0.152683	mg/L	0.152683	mg/L	12:53:10
1	Zn 206.200†	2650.8	2605.7	0.241614	mg/L	0.241614	mg/L	12:53:30
2	Y 360.076	161435.2	161435.2	105.184	%			12:53:04
2	Al 396.153†	128534.7	122004.6	38.8866	mg/L	38.8866	mg/L	12:52:59
2	Ba 455.398†	3427676.7	3258746.0	11.1909	mg/L	11.1909	mg/L	12:52:59
2	Ca 315.887†	71778.5	68109.8	42.6669	mg/L	42.6669	mg/L	12:53:04
2	Fe 238.204†	241490.0	229555.9	89.9448	mg/L	89.9448	mg/L	12:52:59
2	K 766.490	4494.8	4514.6	6.80553	mg/L	6.80553	mg/L	12:53:04
2	Li 670.784†	2121.5	2038.0	0.0636449	mg/L	0.0636449	mg/L	12:53:04
2	Mg 279.071†	8276.1	7854.0	16.1660	mg/L	16.1660	mg/L	12:53:04
2	Na 589.592†	11929.2	10565.6	1.62811	mg/L	1.62811	mg/L	12:53:04
2	Sr 407.771†	1505227.8	1430387.9	1.83791	mg/L	1.83791	mg/L	12:52:59
2	Ti 334.940†	47318.6	44992.4	2.92458	mg/L	2.92458	mg/L	12:53:04
2	Sc 357.234	237647.2	237647.2	104.017	%			12:53:36
2	Ag 328.068†	-3528.2	-3365.8	-0.0376686	mg/L	-0.0376686	mg/L	12:53:36
2	As 188.979†	95.3	111.7	0.154301	mg/L	0.154301	mg/L	12:53:56
2	B 249.677†	1419.4	966.9	0.0546297	mg/L	0.0546297	mg/L	12:53:36
2	Be 234.861†	10465.3	10855.9	0.0213823	mg/L	0.0213823	mg/L	12:53:36

2	Cd 214.437†	668.0	442.8	-0.0034970 mg/L	-0.0034970 mg/L	12:53:56
2	Ce 413.764†	6571.8	5995.0	0.152700 mg/L	0.152700 mg/L	12:53:36
2	Co 228.616†	288.1	350.5	0.0427024 mg/L	0.0427024 mg/L	12:53:56
2	Cr 205.557†	662.1	659.8	0.0614561 mg/L	0.0614561 mg/L	12:53:56
2	Cu 327.397†	6655.3	6143.4	0.188958 mg/L	0.188958 mg/L	12:53:36
2	Mn 257.610†	256343.8	246262.5	1.59610 mg/L	1.59610 mg/L	12:53:36
2	Mo 202.031†	185.2	96.9	0.0128338 mg/L	0.0128338 mg/L	12:53:56
2	Ni 231.604†	1783.7	1276.3	0.101886 mg/L	0.101886 mg/L	12:53:56
2	Pb 220.353†	1841.2	1795.0	0.908907 mg/L	0.908907 mg/L	12:53:56
2	Sb 217.584†	-562.5	-487.9	-0.0960126 mg/L	-0.0960126 mg/L	12:53:56
2	Se 196.026†	-10.3	30.3	0.163082 mg/L	0.163082 mg/L	12:53:56
2	Si 251.611†	40649.1	38350.9	3.42990 mg/L	3.42990 mg/L	12:53:36
2	Sn 189.927†	-61.3	-74.1	-0.0204147 mg/L	-0.0204147 mg/L	12:53:56
2	Tl 190.801†	-82.0	-41.2	-0.0169045 mg/L	-0.0169045 mg/L	12:53:56
2	V 292.395†	6503.5	7566.9	0.152752 mg/L	0.152752 mg/L	12:53:36
2	Zn 206.200†	2662.5	2625.1	0.243417 mg/L	0.243417 mg/L	12:53:56

Mean Data: 1001286-09

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	238027.2	104.183	%	0.2352				0.23%
Y 360.076	161416.4	105.172	%	0.0173				0.02%
Ag 328.068†	-3385.2	-0.0380183	mg/L	0.00049457	-0.0380183	mg/L	0.00049457	1.30%
Al 396.153†	121585.1	38.7529	mg/L	0.18903	38.7529	mg/L	0.18903	0.49%
As 188.979†	108.3	0.148903	mg/L	0.0076329	0.148903	mg/L	0.0076329	5.13%
B 249.677†	973.3	0.0549196	mg/L	0.00040989	0.0549196	mg/L	0.00040989	0.75%
Ba 455.398†	3246472.8	11.1487	mg/L	0.05960	11.1487	mg/L	0.05960	0.53%
Be 234.861†	10822.9	0.0213607	mg/L	0.00003064	0.0213607	mg/L	0.00003064	0.14%
Ca 315.887†	68403.5	42.8509	mg/L	0.26024	42.8509	mg/L	0.26024	0.61%
Cd 214.437†	446.0	-0.0032977	mg/L	0.00028182	-0.0032977	mg/L	0.00028182	8.55%
Ce 413.764†	6010.5	0.153094	mg/L	0.0005571	0.153094	mg/L	0.0005571	0.36%
Co 228.616†	353.0	0.0430684	mg/L	0.00051752	0.0430684	mg/L	0.00051752	1.20%
Cr 205.557†	656.7	0.0611738	mg/L	0.00039920	0.0611738	mg/L	0.00039920	0.65%
Cu 327.397†	6138.9	0.188826	mg/L	0.0001872	0.188826	mg/L	0.0001872	0.10%
Fe 238.204†	228529.7	89.5427	mg/L	0.56865	89.5427	mg/L	0.56865	0.64%
K 766.490	4519.3	6.81269	mg/L	0.010127	6.81269	mg/L	0.010127	0.15%
Li 670.784†	2047.9	0.0639462	mg/L	0.00042607	0.0639462	mg/L	0.00042607	0.67%
Mg 279.071†	7892.3	16.2449	mg/L	0.11161	16.2449	mg/L	0.11161	0.69%
Mn 257.610†	245796.3	1.59307	mg/L	0.004286	1.59307	mg/L	0.004286	0.27%
Mo 202.031†	92.0	0.0122316	mg/L	0.00085156	0.0122316	mg/L	0.00085156	6.96%
Na 589.592†	10649.3	1.64100	mg/L	0.018224	1.64100	mg/L	0.018224	1.11%
Ni 231.604†	1267.6	0.101184	mg/L	0.0009933	0.101184	mg/L	0.0009933	0.98%
Pb 220.353†	1787.7	0.905254	mg/L	0.0051663	0.905254	mg/L	0.0051663	0.57%
Sb 217.584†	-479.9	-0.0911662	mg/L	0.00685385	-0.0911662	mg/L	0.00685385	7.52%
Se 196.026†	33.2	0.168629	mg/L	0.0078445	0.168629	mg/L	0.0078445	4.65%
Si 251.611†	38218.3	3.41748	mg/L	0.017563	3.41748	mg/L	0.017563	0.51%
Sn 189.927†	-79.8	-0.0228896	mg/L	0.00350004	-0.0228896	mg/L	0.00350004	15.29%
Sr 407.771†	1425237.2	1.83129	mg/L	0.009355	1.83129	mg/L	0.009355	0.51%
Ti 334.940†	45170.6	2.93615	mg/L	0.016369	2.93615	mg/L	0.016369	0.56%
Tl 190.801†	-35.9	-0.0106425	mg/L	0.00885577	-0.0106425	mg/L	0.00885577	83.21%
V 292.395†	7562.7	0.152717	mg/L	0.0000488	0.152717	mg/L	0.0000488	0.03%
Zn 206.200†	2615.4	0.242515	mg/L	0.0012750	0.242515	mg/L	0.0012750	0.53%

Sequence No.: 48
Sample ID: 1001286-10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 1/27/2010 12:56:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001286-10

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	159708.0	159708.0	104.059	%			12:58:00
1	Al 396.153†	102548.8	98353.8	31.3800	mg/L	31.3800	mg/L	12:58:00
1	Ba 455.398†	326582.5	313847.9	1.07877	mg/L	1.07877	mg/L	12:57:55
1	Ca 315.887†	308255.6	296101.5	185.519	mg/L	185.519	mg/L	12:58:00
1	Fe 238.204†	228858.4	219899.8	86.1580	mg/L	86.1580	mg/L	12:58:00
1	K 766.490	4717.8	4737.6	7.14366	mg/L	7.14366	mg/L	12:58:00

1	Li 670.784†	1738.6	1691.8	0.0530712 mg/L	0.0530712 mg/L	12:58:00
1	Mg 279.071†	33001.4	31700.0	65.2379 mg/L	65.2379 mg/L	12:58:00
1	Na 589.592†	10712.1	9518.7	1.46698 mg/L	1.46698 mg/L	12:58:00
1	Sr 407.771†	973686.8	935055.2	1.20175 mg/L	1.20175 mg/L	12:57:55
1	Ti 334.940†	42073.7	40438.6	2.62880 mg/L	2.62880 mg/L	12:58:00
1	Sc 357.234	233678.0	233678.0	102.280 %		12:58:17
1	Ag 328.068†	-3452.0	-3348.9	-0.0364040 mg/L	-0.0364040 mg/L	12:58:37
1	As 188.979†	23.6	43.1	0.0491881 mg/L	0.0491881 mg/L	12:58:37
1	B 249.677†	1176.0	752.1	0.0428382 mg/L	0.0428382 mg/L	12:58:17
1	Be 234.861†	8834.7	9432.5	0.0159029 mg/L	0.0159029 mg/L	12:58:17
1	Cd 214.437†	582.0	369.6	-0.0049275 mg/L	-0.0049275 mg/L	12:58:37
1	Ce 413.764†	5352.1	4909.8	0.124974 mg/L	0.124974 mg/L	12:58:17
1	Co 228.616†	160.3	230.3	0.0253368 mg/L	0.0253368 mg/L	12:58:37
1	Cr 205.557†	495.4	507.6	0.0482878 mg/L	0.0482878 mg/L	12:58:37
1	Cu 327.397†	4835.3	4472.6	0.137002 mg/L	0.137002 mg/L	12:58:17
1	Mn 257.610†	460621.8	450173.4	2.91492 mg/L	2.91492 mg/L	12:58:17
1	Mo 202.031†	229.5	143.2	0.0185284 mg/L	0.0185284 mg/L	12:58:37
1	Ni 231.604†	1336.2	867.8	0.0690208 mg/L	0.0690208 mg/L	12:58:37
1	Pb 220.353†	225.7	245.6	0.127802 mg/L	0.127802 mg/L	12:58:37
1	Sb 217.584†	-552.6	-487.3	-0.107069 mg/L	-0.107069 mg/L	12:58:37
1	Se 196.026†	-10.6	29.8	0.157460 mg/L	0.157460 mg/L	12:58:37
1	Si 251.611†	37383.4	35821.7	3.20761 mg/L	3.20761 mg/L	12:58:17
1	Sn 189.927†	-160.8	-172.4	-0.0327972 mg/L	-0.0327972 mg/L	12:58:37
1	Tl 190.801†	-73.0	-33.7	-0.0110889 mg/L	-0.0110889 mg/L	12:58:37
1	V 292.395†	5960.9	7142.7	0.144155 mg/L	0.144155 mg/L	12:58:37
1	Zn 206.200†	661.0	711.6	0.0598477 mg/L	0.0598477 mg/L	12:58:37
2	Y 360.076	161036.7	161036.7	104.924 %		12:58:11
2	Al 396.153†	103132.1	98096.6	31.2980 mg/L	31.2980 mg/L	12:58:11
2	Ba 455.398†	328720.8	313296.3	1.07687 mg/L	1.07687 mg/L	12:58:05
2	Ca 315.887†	310187.4	295498.5	185.141 mg/L	185.141 mg/L	12:58:11
2	Fe 238.204†	230246.9	219408.6	85.9655 mg/L	85.9655 mg/L	12:58:11
2	K 766.490	4780.8	4800.6	7.23923 mg/L	7.23923 mg/L	12:58:11
2	Li 670.784†	1728.8	1668.7	0.0523645 mg/L	0.0523645 mg/L	12:58:11
2	Mg 279.071†	33200.4	31627.9	65.0895 mg/L	65.0895 mg/L	12:58:11
2	Na 589.592†	10820.7	9537.2	1.46984 mg/L	1.46984 mg/L	12:58:11
2	Sr 407.771†	978771.3	932180.7	1.19806 mg/L	1.19806 mg/L	12:58:05
2	Ti 334.940†	42279.6	40301.3	2.61988 mg/L	2.61988 mg/L	12:58:11
2	Sc 357.234	233541.7	233541.7	102.220 %		12:58:42
2	Ag 328.068†	-3484.8	-3383.0	-0.0369658 mg/L	-0.0369658 mg/L	12:59:02
2	As 188.979†	18.9	38.6	0.0420723 mg/L	0.0420723 mg/L	12:59:02
2	B 249.677†	1150.1	727.5	0.0414951 mg/L	0.0414951 mg/L	12:58:42
2	Be 234.861†	8834.7	9437.6	0.0159924 mg/L	0.0159924 mg/L	12:58:42
2	Cd 214.437†	584.6	372.5	-0.0047882 mg/L	-0.0047882 mg/L	12:59:02
2	Ce 413.764†	5327.3	4888.6	0.124434 mg/L	0.124434 mg/L	12:58:42
2	Co 228.616†	159.0	229.1	0.0251791 mg/L	0.0251791 mg/L	12:59:02
2	Cr 205.557†	515.7	527.7	0.0499862 mg/L	0.0499862 mg/L	12:59:02
2	Cu 327.397†	4865.2	4504.7	0.137990 mg/L	0.137990 mg/L	12:58:42
2	Mn 257.610†	460748.3	450560.1	2.91741 mg/L	2.91741 mg/L	12:58:42
2	Mo 202.031†	218.1	132.1	0.0171693 mg/L	0.0171693 mg/L	12:59:02
2	Ni 231.604†	1350.7	882.8	0.0702251 mg/L	0.0702251 mg/L	12:59:02
2	Pb 220.353†	228.4	248.4	0.129174 mg/L	0.129174 mg/L	12:59:02
2	Sb 217.584†	-556.8	-491.8	-0.111022 mg/L	-0.111022 mg/L	12:59:02
2	Se 196.026†	4.4	44.6	0.187986 mg/L	0.187986 mg/L	12:59:02
2	Si 251.611†	37036.7	35503.9	3.17901 mg/L	3.17901 mg/L	12:58:42
2	Sn 189.927†	-151.8	-163.6	-0.0290004 mg/L	-0.0290004 mg/L	12:59:02
2	Tl 190.801†	-67.3	-28.2	-0.0047348 mg/L	-0.0047348 mg/L	12:59:02
2	V 292.395†	6000.8	7185.1	0.145135 mg/L	0.145135 mg/L	12:59:02
2	Zn 206.200†	664.2	715.2	0.0602020 mg/L	0.0602020 mg/L	12:59:02

Mean Data: 1001286-10

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	233609.8	102.250	%	0.0422				0.04%
Y 360.076	160372.3	104.492	%	0.6121				0.59%
Ag 328.068†	-3365.9	-0.0366849	mg/L	0.00039731	-0.0366849	mg/L	0.00039731	1.08%
Al 396.153†	98225.2	31.3390	mg/L	0.05801	31.3390	mg/L	0.05801	0.19%
As 188.979†	40.9	0.0456302	mg/L	0.00503167	0.0456302	mg/L	0.00503167	11.03%
B 249.677†	739.8	0.0421667	mg/L	0.00094973	0.0421667	mg/L	0.00094973	2.25%
Ba 455.398†	313572.1	1.07782	mg/L	0.001339	1.07782	mg/L	0.001339	0.12%
Be 234.861†	9435.0	0.0159476	mg/L	0.00006323	0.0159476	mg/L	0.00006323	0.40%

Ca 315.887†	295800.0	185.330 mg/L	0.2672	185.330 mg/L	0.2672	0.14%
Cd 214.437†	371.1	-0.0048579 mg/L	0.00009849	-0.0048579 mg/L	0.00009849	2.03%
Ce 413.764†	4899.2	0.124704 mg/L	0.0003820	0.124704 mg/L	0.0003820	0.31%
Co 228.616†	229.7	0.0252580 mg/L	0.00011151	0.0252580 mg/L	0.00011151	0.44%
Cr 205.557†	517.6	0.0491370 mg/L	0.00120099	0.0491370 mg/L	0.00120099	2.44%
Cu 327.397†	4488.7	0.137496 mg/L	0.0006983	0.137496 mg/L	0.0006983	0.51%
Fe 238.204†	219654.2	86.0617 mg/L	0.13611	86.0617 mg/L	0.13611	0.16%
K 766.490	4769.1	7.19145 mg/L	0.067575	7.19145 mg/L	0.067575	0.94%
Li 670.784†	1680.2	0.0527179 mg/L	0.00049971	0.0527179 mg/L	0.00049971	0.95%
Mg 279.071†	31664.0	65.1637 mg/L	0.10488	65.1637 mg/L	0.10488	0.16%
Mn 257.610†	450366.7	2.91616 mg/L	0.001763	2.91616 mg/L	0.001763	0.06%
Mo 202.031†	137.7	0.0178489 mg/L	0.00096102	0.0178489 mg/L	0.00096102	5.38%
Na 589.592†	9527.9	1.46841 mg/L	0.002021	1.46841 mg/L	0.002021	0.14%
Ni 231.604†	875.3	0.0696229 mg/L	0.00085158	0.0696229 mg/L	0.00085158	1.22%
Pb 220.353†	247.0	0.128488 mg/L	0.0009705	0.128488 mg/L	0.0009705	0.76%
Sb 217.584†	-489.5	-0.109046 mg/L	0.0027949	-0.109046 mg/L	0.0027949	2.56%
Se 196.026†	37.2	0.172723 mg/L	0.0215851	0.172723 mg/L	0.0215851	12.50%
Si 251.611†	35662.8	3.19331 mg/L	0.020223	3.19331 mg/L	0.020223	0.63%
Sn 189.927†	-168.0	-0.0308988 mg/L	0.00268475	-0.0308988 mg/L	0.00268475	8.69%
Sr 407.771†	933618.0	1.19990 mg/L	0.002610	1.19990 mg/L	0.002610	0.22%
Ti 334.940†	40369.9	2.62434 mg/L	0.006307	2.62434 mg/L	0.006307	0.24%
Tl 190.801†	-30.9	-0.0079119 mg/L	0.00449304	-0.0079119 mg/L	0.00449304	56.79%
V 292.395†	7163.9	0.144645 mg/L	0.0006928	0.144645 mg/L	0.0006928	0.48%
Zn 206.200†	713.4	0.0600249 mg/L	0.00025054	0.0600249 mg/L	0.00025054	0.42%

Sequence No.: 49
Sample ID: 0A27004-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 1/27/2010 1:01:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A27004-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	155886.0	155886.0	101.568	%			13:03:04
1	Al 396.153†	8359.5	8035.2	2.54109	mg/L	2.54109	mg/L	13:03:24
1	Ba 455.398†	148200.2	145915.0	0.502122	mg/L	0.502122	mg/L	13:03:04
1	Ca 315.887†	8436.4	8175.1	5.11383	mg/L	5.11383	mg/L	13:03:24
1	Fe 238.204†	1372.8	1319.4	0.516441	mg/L	0.516441	mg/L	13:03:24
1	K 766.490	3351.7	3371.5	5.07254	mg/L	5.07254	mg/L	13:03:24
1	Li 670.784†	16598.5	16363.2	0.501131	mg/L	0.501131	mg/L	13:03:24
1	Mg 279.071†	2525.8	2472.6	5.09175	mg/L	5.09175	mg/L	13:03:24
1	Na 589.592†	33906.4	32607.1	5.02049	mg/L	5.02049	mg/L	13:03:04
1	Sr 407.771†	396975.0	390190.4	0.501977	mg/L	0.501977	mg/L	13:03:04
1	Ti 334.940†	7871.5	7755.9	0.506019	mg/L	0.506019	mg/L	13:03:24
1	Sc 357.234	233835.6	233835.6	102.349	%			13:03:56
1	Ag 328.068†	32481.1	31761.9	0.495427	mg/L	0.495427	mg/L	13:03:56
1	As 188.979†	1622.7	1605.5	2.50781	mg/L	2.50781	mg/L	13:04:16
1	B 249.677†	9736.0	9114.9	0.485794	mg/L	0.485794	mg/L	13:03:56
1	Be 234.861†	9971.4	10537.3	0.0501756	mg/L	0.0501756	mg/L	13:04:16
1	Cd 214.437†	14713.6	14176.5	0.507484	mg/L	0.507484	mg/L	13:04:16
1	Ce 413.764†	401.9	69.6	0.0016916	mg/L	0.0016916	mg/L	13:03:56
1	Co 228.616†	3355.1	3351.7	0.504686	mg/L	0.504686	mg/L	13:04:16
1	Cr 205.557†	6054.9	5939.2	0.505189	mg/L	0.505189	mg/L	13:04:16
1	Cu 327.397†	16559.4	15924.5	0.490626	mg/L	0.490626	mg/L	13:03:56
1	Mn 257.610†	79961.5	77945.1	0.504011	mg/L	0.504011	mg/L	13:03:56
1	Mo 202.031†	4270.5	4091.2	0.503970	mg/L	0.503970	mg/L	13:04:16
1	Ni 231.604†	6897.0	6300.1	0.506798	mg/L	0.506798	mg/L	13:04:16
1	Pb 220.353†	994.1	996.2	0.503996	mg/L	0.503996	mg/L	13:04:16
1	Sb 217.584†	3342.9	3319.1	2.51738	mg/L	2.51738	mg/L	13:04:16
1	Se 196.026†	1218.4	1230.6	2.56184	mg/L	2.56184	mg/L	13:04:16
1	Si 251.611†	28335.5	26956.9	2.43839	mg/L	2.43839	mg/L	13:03:56
1	Sn 189.927†	5741.3	5594.4	2.48316	mg/L	2.48316	mg/L	13:04:16
1	Tl 190.801†	2179.8	2167.4	2.53366	mg/L	2.53366	mg/L	13:04:16
1	V 292.395†	21375.8	22199.9	0.505000	mg/L	0.505000	mg/L	13:03:56
1	Zn 206.200†	5415.8	5356.9	0.510655	mg/L	0.510655	mg/L	13:04:16
2	Y 360.076	159090.6	159090.6	103.656	%			13:03:29
2	Al 396.153†	8359.1	7869.1	2.48808	mg/L	2.48808	mg/L	13:03:50
2	Ba 455.398†	148492.6	143257.8	0.492998	mg/L	0.492998	mg/L	13:03:29

2	Ca 315.887†	8481.5	8051.2	5.03623 mg/L	5.03623 mg/L	13:03:50
2	Fe 238.204†	1383.1	1302.1	0.509673 mg/L	0.509673 mg/L	13:03:50
2	K 766.490	3355.4	3375.2	5.07810 mg/L	5.07810 mg/L	13:03:50
2	Li 670.784†	16626.0	16060.6	0.491890 mg/L	0.491890 mg/L	13:03:50
2	Mg 279.071†	2534.2	2430.5	5.00525 mg/L	5.00525 mg/L	13:03:50
2	Na 589.592†	33957.3	31983.9	4.92456 mg/L	4.92456 mg/L	13:03:29
2	Sr 407.771†	397555.9	382877.9	0.492586 mg/L	0.492586 mg/L	13:03:29
2	Ti 334.940†	7931.0	7657.2	0.499612 mg/L	0.499612 mg/L	13:03:50
2	Sc 357.234	232741.2	232741.2	101.870 %		13:04:21
2	Ag 328.068†	32597.4	32025.3	0.499520 mg/L	0.499520 mg/L	13:04:21
2	As 188.979†	1629.8	1619.9	2.53041 mg/L	2.53041 mg/L	13:04:41
2	B 249.677†	9870.7	9291.8	0.495361 mg/L	0.495361 mg/L	13:04:21
2	Be 234.861†	9955.7	10567.7	0.0503235 mg/L	0.0503235 mg/L	13:04:41
2	Cd 214.437†	14674.8	14206.1	0.508547 mg/L	0.508547 mg/L	13:04:41
2	Ce 413.764†	408.2	77.7	0.0019010 mg/L	0.0019010 mg/L	13:04:21
2	Co 228.616†	3353.0	3365.0	0.506717 mg/L	0.506717 mg/L	13:04:41
2	Cr 205.557†	6044.4	5956.7	0.506681 mg/L	0.506681 mg/L	13:04:41
2	Cu 327.397†	16642.7	16082.4	0.495518 mg/L	0.495518 mg/L	13:04:21
2	Mn 257.610†	80363.6	78707.1	0.508940 mg/L	0.508940 mg/L	13:04:21
2	Mo 202.031†	4263.3	4103.8	0.505514 mg/L	0.505514 mg/L	13:04:41
2	Ni 231.604†	6884.5	6319.6	0.508363 mg/L	0.508363 mg/L	13:04:41
2	Pb 220.353†	1001.7	1008.2	0.510001 mg/L	0.510001 mg/L	13:04:41
2	Sb 217.584†	3328.1	3320.0	2.51799 mg/L	2.51799 mg/L	13:04:41
2	Se 196.026†	1198.7	1216.9	2.53325 mg/L	2.53325 mg/L	13:04:41
2	Si 251.611†	28580.7	27327.7	2.47214 mg/L	2.47214 mg/L	13:04:21
2	Sn 189.927†	5743.1	5622.5	2.49563 mg/L	2.49563 mg/L	13:04:41
2	Tl 190.801†	2169.9	2167.7	2.53386 mg/L	2.53386 mg/L	13:04:41
2	V 292.395†	21485.4	22405.7	0.509653 mg/L	0.509653 mg/L	13:04:21
2	Zn 206.200†	5413.6	5379.6	0.512834 mg/L	0.512834 mg/L	13:04:41

Mean Data: 0A27004-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	233288.4	102.109	%	0.3387				0.33%
Y 360.076	157488.3	102.612	%	1.4764				1.44%
Ag 328.068†	31893.6	0.497474	mg/L	0.0028940	0.497474	mg/L	0.0028940	0.58%
QC value within limits for Ag 328.068 Recovery = 99.49%								
Al 396.153†	7952.1	2.51458	mg/L	0.037481	2.51458	mg/L	0.037481	1.49%
QC value within limits for Al 396.153 Recovery = 100.58%								
As 188.979†	1612.7	2.51911	mg/L	0.015980	2.51911	mg/L	0.015980	0.63%
QC value within limits for As 188.979 Recovery = 100.76%								
B 249.677†	9203.3	0.490578	mg/L	0.0067644	0.490578	mg/L	0.0067644	1.38%
QC value within limits for B 249.677 Recovery = 98.12%								
Ba 455.398†	144586.4	0.497560	mg/L	0.0064517	0.497560	mg/L	0.0064517	1.30%
QC value within limits for Ba 455.398 Recovery = 99.51%								
Be 234.861†	10552.5	0.0502495	mg/L	0.00010462	0.0502495	mg/L	0.00010462	0.21%
QC value within limits for Be 234.861 Recovery = 100.50%								
Ca 315.887†	8113.2	5.07503	mg/L	0.054876	5.07503	mg/L	0.054876	1.08%
QC value within limits for Ca 315.887 Recovery = 101.50%								
Cd 214.437†	14191.3	0.508015	mg/L	0.0007520	0.508015	mg/L	0.0007520	0.15%
QC value within limits for Cd 214.437 Recovery = 101.60%								
Ce 413.764†	73.6	0.0017963	mg/L	0.00014807	0.0017963	mg/L	0.00014807	8.24%
Co 228.616†	3358.3	0.505701	mg/L	0.0014361	0.505701	mg/L	0.0014361	0.28%
QC value within limits for Co 228.616 Recovery = 101.14%								
Cr 205.557†	5947.9	0.505935	mg/L	0.0010554	0.505935	mg/L	0.0010554	0.21%
QC value within limits for Cr 205.557 Recovery = 101.19%								
Cu 327.397†	16003.5	0.493072	mg/L	0.0034589	0.493072	mg/L	0.0034589	0.70%
QC value within limits for Cu 327.397 Recovery = 98.61%								
Fe 238.204†	1310.7	0.513057	mg/L	0.0047860	0.513057	mg/L	0.0047860	0.93%
QC value within limits for Fe 238.204 Recovery = 102.61%								
K 766.490	3373.4	5.07532	mg/L	0.003928	5.07532	mg/L	0.003928	0.08%
QC value within limits for K 766.490 Recovery = 101.51%								
Li 670.784†	16211.9	0.496510	mg/L	0.0065346	0.496510	mg/L	0.0065346	1.32%
QC value within limits for Li 670.784 Recovery = 99.30%								
Mg 279.071†	2451.6	5.04850	mg/L	0.061165	5.04850	mg/L	0.061165	1.21%
QC value within limits for Mg 279.071 Recovery = 100.97%								
Mn 257.610†	78326.1	0.506476	mg/L	0.0034851	0.506476	mg/L	0.0034851	0.69%
QC value within limits for Mn 257.610 Recovery = 101.30%								
Mo 202.031†	4097.5	0.504742	mg/L	0.0010913	0.504742	mg/L	0.0010913	0.22%
QC value within limits for Mo 202.031 Recovery = 100.95%								

Na 589.592†	32295.5	4.97253 mg/L	0.067830	4.97253 mg/L	0.067830	1.36%
QC value within limits for Na 589.592 Recovery = 99.45%						
Ni 231.604†	6309.9	0.507581 mg/L	0.0011069	0.507581 mg/L	0.0011069	0.22%
QC value within limits for Ni 231.604 Recovery = 101.52%						
Pb 220.353†	1002.2	0.506998 mg/L	0.0042457	0.506998 mg/L	0.0042457	0.84%
QC value within limits for Pb 220.353 Recovery = 101.40%						
Sb 217.584†	3319.5	2.51768 mg/L	0.000437	2.51768 mg/L	0.000437	0.02%
QC value within limits for Sb 217.584 Recovery = 100.71%						
Se 196.026†	1223.8	2.54754 mg/L	0.020216	2.54754 mg/L	0.020216	0.79%
QC value within limits for Se 196.026 Recovery = 101.90%						
Si 251.611†	27142.3	2.45527 mg/L	0.023866	2.45527 mg/L	0.023866	0.97%
QC value within limits for Si 251.611 Recovery = 98.21%						
Sn 189.927†	5608.4	2.48940 mg/L	0.008819	2.48940 mg/L	0.008819	0.35%
QC value within limits for Sn 189.927 Recovery = 99.58%						
Sr 407.771†	386534.2	0.497281 mg/L	0.0066408	0.497281 mg/L	0.0066408	1.34%
QC value within limits for Sr 407.771 Recovery = 99.46%						
Ti 334.940†	7706.6	0.502816 mg/L	0.0045306	0.502816 mg/L	0.0045306	0.90%
QC value within limits for Ti 334.940 Recovery = 100.56%						
Tl 190.801†	2167.6	2.53376 mg/L	0.000140	2.53376 mg/L	0.000140	0.01%
QC value within limits for Tl 190.801 Recovery = 101.35%						
V 292.395†	22302.8	0.507327 mg/L	0.0032901	0.507327 mg/L	0.0032901	0.65%
QC value within limits for V 292.395 Recovery = 101.47%						
Zn 206.200†	5368.3	0.511744 mg/L	0.0015410	0.511744 mg/L	0.0015410	0.30%
QC value within limits for Zn 206.200 Recovery = 102.35%						

All analyte(s) passed QC.

==========

Sequence No.: 50
Sample ID: 0A27004-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/27/2010 1:05:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A27004-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	156772.0	156772.0	102.146	%			13:07:02
1	Al 396.153†	190.7	-8.5	-0.0147470	mg/L	-0.0147470	mg/L	13:07:02
1	Ba 455.398†	35.2	37.7	0.0012123	mg/L	0.0012123	mg/L	13:07:02
1	Ca 315.887†	141.4	7.4	-0.0037705	mg/L	-0.0037705	mg/L	13:07:22
1	Fe 238.204†	49.2	16.0	0.0064052	mg/L	0.0064052	mg/L	13:07:22
1	K 766.490	31.1	51.0	0.0382435	mg/L	0.0382435	mg/L	13:07:02
1	Li 670.784†	-39.9	-18.0	0.0008545	mg/L	0.0008545	mg/L	13:07:02
1	Mg 279.071†	14.1	-0.4	0.0026871	mg/L	0.0026871	mg/L	13:07:22
1	Na 589.592†	785.1	-7.1	0.0008908	mg/L	0.0008908	mg/L	13:07:02
1	Sr 407.771†	727.7	58.0	0.0009279	mg/L	0.0009279	mg/L	13:07:02
1	Ti 334.940†	3.5	9.4	0.0028764	mg/L	0.0028764	mg/L	13:07:22
1	Sc 357.234	230834.6	230834.6	101.035	%			13:07:53
1	Ag 328.068†	12.3	38.3	0.0022352	mg/L	0.0022352	mg/L	13:07:53
1	As 188.979†	-26.1	-5.8	-0.0089850	mg/L	-0.0089850	mg/L	13:08:13
1	B 249.677†	440.5	38.3	-0.0035833	mg/L	-0.0035833	mg/L	13:08:13
1	Be 234.861†	-787.7	15.1	0.0000682	mg/L	0.0000682	mg/L	13:08:13
1	Cd 214.437†	205.0	3.5	-0.0006209	mg/L	-0.0006209	mg/L	13:08:13
1	Ce 413.764†	320.3	-6.0	-0.0001549	mg/L	-0.0001549	mg/L	13:07:53
1	Co 228.616†	-74.4	-0.0	-0.0005517	mg/L	-0.0005517	mg/L	13:08:13
1	Cr 205.557†	-25.3	-1.9	-0.0003440	mg/L	-0.0003440	mg/L	13:08:13
1	Cu 327.397†	279.0	21.3	-0.0025746	mg/L	-0.0025746	mg/L	13:07:53
1	Mn 257.610†	216.7	33.0	0.0000335	mg/L	0.0000335	mg/L	13:08:13
1	Mo 202.031†	82.5	0.4	0.0009733	mg/L	0.0009733	mg/L	13:08:13
1	Ni 231.604†	455.1	11.9	0.0001058	mg/L	0.0001058	mg/L	13:08:13
1	Pb 220.353†	-27.2	-2.0	0.0017058	mg/L	0.0017058	mg/L	13:08:13
1	Sb 217.584†	-59.8	-6.2	-0.0018295	mg/L	-0.0018295	mg/L	13:08:13
1	Se 196.026†	-40.5	0.2	-0.0062888	mg/L	-0.0062888	mg/L	13:08:13
1	Si 251.611†	317.2	-414.5	-0.0275495	mg/L	-0.0275495	mg/L	13:08:13
1	Sn 189.927†	27.5	12.0	0.0084326	mg/L	0.0084326	mg/L	13:08:13
1	Tl 190.801†	-34.8	3.2	0.0059475	mg/L	0.0059475	mg/L	13:08:13
1	V 292.395†	-1260.6	66.9	0.0022153	mg/L	0.0022153	mg/L	13:08:13
1	Zn 206.200†	-53.3	12.6	0.0005299	mg/L	0.0005299	mg/L	13:08:13
2	Y 360.076	154178.2	154178.2	100.456	%			13:07:27
2	Al 396.153†	215.9	19.7	-0.0057301	mg/L	-0.0057301	mg/L	13:07:27

2	Ba 455.398†	11.2	14.4	0.0011322 mg/L	0.0011322 mg/L	13:07:27
2	Ca 315.887†	139.0	7.4	-0.0037875 mg/L	-0.0037875 mg/L	13:07:47
2	Fe 238.204†	45.8	13.3	0.0053782 mg/L	0.0053782 mg/L	13:07:47
2	K 766.490	26.5	46.3	0.0311516 mg/L	0.0311516 mg/L	13:07:27
2	Li 670.784†	3.2	24.3	0.0021451 mg/L	0.0021451 mg/L	13:07:27
2	Mg 279.071†	17.1	2.7	0.0091682 mg/L	0.0091682 mg/L	13:07:47
2	Na 589.592†	847.7	68.2	0.0124699 mg/L	0.0124699 mg/L	13:07:27
2	Sr 407.771†	754.8	96.9	0.0009780 mg/L	0.0009780 mg/L	13:07:27
2	Ti 334.940†	11.8	17.7	0.0034138 mg/L	0.0034138 mg/L	13:07:47
2	Sc 357.234	231846.2	231846.2	101.478 %		13:08:19
2	Ag 328.068†	0.6	26.8	0.0020674 mg/L	0.0020674 mg/L	13:08:19
2	As 188.979†	-18.8	1.5	0.0024561 mg/L	0.0024561 mg/L	13:08:39
2	B 249.677†	444.0	39.8	-0.0035026 mg/L	-0.0035026 mg/L	13:08:39
2	Be 234.861†	-801.5	4.9	0.0000200 mg/L	0.0000200 mg/L	13:08:39
2	Cd 214.437†	208.7	6.2	-0.0005242 mg/L	-0.0005242 mg/L	13:08:39
2	Ce 413.764†	420.2	91.1	0.0023348 mg/L	0.0023348 mg/L	13:08:19
2	Co 228.616†	-71.7	2.9	-0.0001028 mg/L	-0.0001028 mg/L	13:08:39
2	Cr 205.557†	-28.4	-4.7	-0.0005882 mg/L	-0.0005882 mg/L	13:08:39
2	Cu 327.397†	279.0	20.1	-0.0026117 mg/L	-0.0026117 mg/L	13:08:19
2	Mn 257.610†	218.2	33.5	0.0000369 mg/L	0.0000369 mg/L	13:08:39
2	Mo 202.031†	72.4	-9.9	-0.0002915 mg/L	-0.0002915 mg/L	13:08:39
2	Ni 231.604†	445.0	-0.0	-0.0008610 mg/L	-0.0008610 mg/L	13:08:39
2	Pb 220.353†	-28.2	-2.9	0.0012834 mg/L	0.0012834 mg/L	13:08:39
2	Sb 217.584†	-59.9	-6.1	-0.0017719 mg/L	-0.0017719 mg/L	13:08:39
2	Se 196.026†	-35.7	5.1	0.0039776 mg/L	0.0039776 mg/L	13:08:39
2	Si 251.611†	315.8	-417.2	-0.0278103 mg/L	-0.0278103 mg/L	13:08:39
2	Sn 189.927†	22.6	7.2	0.0062674 mg/L	0.0062674 mg/L	13:08:39
2	Tl 190.801†	-34.5	3.6	0.0065343 mg/L	0.0065343 mg/L	13:08:39
2	V 292.395†	-1270.6	62.5	0.0021018 mg/L	0.0021018 mg/L	13:08:39
2	Zn 206.200†	-58.5	7.7	0.0000562 mg/L	0.0000562 mg/L	13:08:39

Mean Data: 0A27004-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	231340.4	101.257	%	0.3131				0.31%
Y 360.076	155475.1	101.301	%	1.1951				1.18%
Ag 328.068†	32.5	0.0021513	mg/L	0.00011861	0.0021513	mg/L	0.00011861	5.51%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	5.6	-0.0102386	mg/L	0.00637594	-0.0102386	mg/L	0.00637594	62.27%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-2.1	-0.0032644	mg/L	0.00809009	-0.0032644	mg/L	0.00809009	247.83%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	39.1	-0.0035430	mg/L	0.00005709	-0.0035430	mg/L	0.00005709	1.61%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	26.1	0.0011722	mg/L	0.00005668	0.0011722	mg/L	0.00005668	4.84%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	10.0	0.0000441	mg/L	0.00003411	0.0000441	mg/L	0.00003411	77.39%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	7.4	-0.0037790	mg/L	0.00001203	-0.0037790	mg/L	0.00001203	0.32%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	4.9	-0.0005726	mg/L	0.00006838	-0.0005726	mg/L	0.00006838	11.94%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	42.5	0.0010900	mg/L	0.00176053	0.0010900	mg/L	0.00176053	161.52%
Co 228.616†	1.4	-0.0003272	mg/L	0.00031744	-0.0003272	mg/L	0.00031744	97.01%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-3.3	-0.0004661	mg/L	0.00017267	-0.0004661	mg/L	0.00017267	37.05%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	20.7	-0.0025931	mg/L	0.00002626	-0.0025931	mg/L	0.00002626	1.01%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	14.7	0.0058917	mg/L	0.00072621	0.0058917	mg/L	0.00072621	12.33%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	48.6	0.0346976	mg/L	0.00501478	0.0346976	mg/L	0.00501478	14.45%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	3.1	0.0014998	mg/L	0.00091259	0.0014998	mg/L	0.00091259	60.85%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	1.2	0.0059276	mg/L	0.00458283	0.0059276	mg/L	0.00458283	77.31%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	33.2	0.0000352	mg/L	0.00000239	0.0000352	mg/L	0.00000239	6.78%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-4.7	0.0003409	mg/L	0.00089440	0.0003409	mg/L	0.00089440	262.36%

QC value within limits for Mo 202.031 Recovery = Not calculated

Na 589.592†	30.6	0.0066803 mg/L	0.00818767	0.0066803 mg/L	0.00818767	122.56%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	5.9	-0.0003776 mg/L	0.00068360	-0.0003776 mg/L	0.00068360	181.04%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-2.4	0.0014946 mg/L	0.00029866	0.0014946 mg/L	0.00029866	19.98%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†	-6.2	-0.0018007 mg/L	0.00004073	-0.0018007 mg/L	0.00004073	2.26%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	2.6	-0.0011556 mg/L	0.00725940	-0.0011556 mg/L	0.00725940	628.20%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	-415.8	-0.0276799 mg/L	0.00018439	-0.0276799 mg/L	0.00018439	0.67%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	9.6	0.0073500 mg/L	0.00153109	0.0073500 mg/L	0.00153109	20.83%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	77.5	0.0009529 mg/L	0.00003540	0.0009529 mg/L	0.00003540	3.71%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.940†	13.5	0.0031451 mg/L	0.00038003	0.0031451 mg/L	0.00038003	12.08%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	3.4	0.0062409 mg/L	0.00041494	0.0062409 mg/L	0.00041494	6.65%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	64.7	0.0021585 mg/L	0.00008025	0.0021585 mg/L	0.00008025	3.72%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	10.2	0.0002930 mg/L	0.00033496	0.0002930 mg/L	0.00033496	114.31%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

==========

Sequence No.: 51 **Autosampler Location: 47**
Sample ID: 1001286-11 **Date Collected: 1/27/2010 1:09:54 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1001286-11

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	161536.3	161536.3	105.250	%			13:11:05
1	Al 396.153†	186213.4	176729.7	56.3266	mg/L	56.3266	mg/L	13:11:00
1	Ba 455.398†	301488.7	286453.5	0.984701	mg/L	0.984701	mg/L	13:11:00
1	Ca 315.887†	31648.0	29938.3	18.7499	mg/L	18.7499	mg/L	13:11:05
1	Fe 238.204†	603505.7	573370.3	224.655	mg/L	224.655	mg/L	13:11:00
1	K 766.490	1993.4	2013.3	3.01327	mg/L	3.01327	mg/L	13:11:05
1	Li 670.784†	1989.5	1911.3	0.0597751	mg/L	0.0597751	mg/L	13:11:05
1	Mg 279.071†	7099.0	6730.6	13.8543	mg/L	13.8543	mg/L	13:11:05
1	Na 589.592†	2618.6	1712.3	0.265519	mg/L	0.265519	mg/L	13:11:05
1	Sr 407.771†	58842.3	55252.8	0.0718149	mg/L	0.0718149	mg/L	13:11:05
1	Ti 334.940†	29076.3	27632.0	1.79699	mg/L	1.79699	mg/L	13:11:05
1	Sc 357.234	235898.4	235898.4	103.252	%			13:11:27
1	Ag 328.068†	-8724.7	-8423.7	-0.0987298	mg/L	-0.0987298	mg/L	13:11:47
1	As 188.979†	89.8	107.0	0.153932	mg/L	0.153932	mg/L	13:11:47
1	B 249.677†	265.8	-140.2	0.0109250	mg/L	0.0109250	mg/L	13:11:27
1	Be 234.861†	16379.0	16657.9	0.0037079	mg/L	0.0037079	mg/L	13:11:22
1	Cd 214.437†	1217.0	979.2	-0.0104342	mg/L	-0.0104342	mg/L	13:11:47
1	Ce 413.764†	8430.9	7842.4	0.200518	mg/L	0.200518	mg/L	13:11:27
1	Co 228.616†	357.4	419.7	0.0509752	mg/L	0.0509752	mg/L	13:11:47
1	Cr 205.557†	2355.4	2304.5	0.209776	mg/L	0.209776	mg/L	13:11:47
1	Cu 327.397†	3171.7	2816.9	0.0852054	mg/L	0.0852054	mg/L	13:11:47
1	Mn 257.610†	2113155.4	2046426.3	13.2452	mg/L	13.2452	mg/L	13:11:22
1	Mo 202.031†	118.1	33.2	0.0050058	mg/L	0.0050058	mg/L	13:11:47
1	Ni 231.604†	1785.1	1290.4	0.102982	mg/L	0.102982	mg/L	13:11:47
1	Pb 220.353†	332.1	346.6	0.178174	mg/L	0.178174	mg/L	13:11:47
1	Sb 217.584†	-1300.2	-1206.3	-0.235271	mg/L	-0.235271	mg/L	13:11:47
1	Se 196.026†	42.0	80.9	0.427379	mg/L	0.427379	mg/L	13:11:47
1	Si 251.611†	80646.8	77378.6	7.02862	mg/L	7.02862	mg/L	13:11:27
1	Sn 189.927†	-22.1	-36.6	-0.0090317	mg/L	-0.0090317	mg/L	13:11:47
1	Tl 190.801†	-68.4	-28.6	-0.0125651	mg/L	-0.0125651	mg/L	13:11:47
1	V 292.395†	9192.3	10217.4	0.188321	mg/L	0.188321	mg/L	13:11:47
1	Zn 206.200†	3944.2	3885.3	0.355659	mg/L	0.355659	mg/L	13:11:47
2	Y 360.076	161383.4	161383.4	105.150	%			13:11:15

2	Al 396.153†	184660.5	175420.7	55.9093 mg/L	55.9093 mg/L	13:11:10
2	Ba 455.398†	298424.9	283811.4	0.975628 mg/L	0.975628 mg/L	13:11:10
2	Ca 315.887†	31723.3	30038.5	18.8127 mg/L	18.8127 mg/L	13:11:15
2	Fe 238.204†	598351.7	569012.2	222.948 mg/L	222.948 mg/L	13:11:10
2	K 766.490	2031.4	2051.2	3.07074 mg/L	3.07074 mg/L	13:11:15
2	Li 670.784†	2011.6	1934.1	0.0604701 mg/L	0.0604701 mg/L	13:11:15
2	Mg 279.071†	7089.1	6727.7	13.8481 mg/L	13.8481 mg/L	13:11:15
2	Na 589.592†	2604.5	1701.3	0.263820 mg/L	0.263820 mg/L	13:11:15
2	Sr 407.771†	58953.0	55411.1	0.0720182 mg/L	0.0720182 mg/L	13:11:15
2	Ti 334.940†	29185.6	27762.1	1.80545 mg/L	1.80545 mg/L	13:11:15
2	Sc 357.234	237720.8	237720.8	104.049 %		13:11:58
2	Ag 328.068†	-8677.9	-8314.0	-0.0972549 mg/L	-0.0972549 mg/L	13:12:18
2	As 188.979†	80.7	97.6	0.139278 mg/L	0.139278 mg/L	13:12:18
2	B 249.677†	211.6	-194.3	0.0077998 mg/L	0.0077998 mg/L	13:11:58
2	Be 234.861†	16291.6	16452.3	0.0033019 mg/L	0.0033019 mg/L	13:11:53
2	Cd 214.437†	1211.7	965.1	-0.0105938 mg/L	-0.0105938 mg/L	13:12:18
2	Ce 413.764†	8434.1	7782.9	0.198988 mg/L	0.198988 mg/L	13:11:58
2	Co 228.616†	359.6	419.2	0.0509393 mg/L	0.0509393 mg/L	13:12:18
2	Cr 205.557†	2338.9	2271.1	0.206831 mg/L	0.206831 mg/L	13:12:18
2	Cu 327.397†	3146.7	2769.3	0.0837347 mg/L	0.0837347 mg/L	13:12:18
2	Mn 257.610†	2103796.2	2021741.6	13.0854 mg/L	13.0854 mg/L	13:11:53
2	Mo 202.031†	126.4	40.3	0.0058750 mg/L	0.0058750 mg/L	13:12:18
2	Ni 231.604†	1770.7	1263.2	0.100798 mg/L	0.100798 mg/L	13:12:18
2	Pb 220.353†	323.2	335.5	0.172631 mg/L	0.172631 mg/L	13:12:18
2	Sb 217.584†	-1304.4	-1200.7	-0.236172 mg/L	-0.236172 mg/L	13:12:18
2	Se 196.026†	39.9	78.5	0.420415 mg/L	0.420415 mg/L	13:12:18
2	Si 251.611†	80825.7	76951.8	6.98930 mg/L	6.98930 mg/L	13:11:58
2	Sn 189.927†	-16.9	-31.4	-0.0067254 mg/L	-0.0067254 mg/L	13:12:18
2	Tl 190.801†	-67.5	-27.3	-0.0109472 mg/L	-0.0109472 mg/L	13:12:18
2	V 292.395†	9114.0	10074.0	0.185410 mg/L	0.185410 mg/L	13:12:18
2	Zn 206.200†	3920.4	3833.2	0.350791 mg/L	0.350791 mg/L	13:12:18

Mean Data: 1001286-11

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	236809.6	103.650	%	0.5640				0.54%
Y 360.076	161459.8	105.200	%	0.0705				0.07%
Ag 328.068†	-8368.9	-0.0979923	mg/L	0.00104285	-0.0979923	mg/L	0.00104285	1.06%
Al 396.153†	176075.2	56.1180	mg/L	0.29507	56.1180	mg/L	0.29507	0.53%
As 188.979†	102.3	0.146605	mg/L	0.0103621	0.146605	mg/L	0.0103621	7.07%
B 249.677†	-167.3	0.0093624	mg/L	0.00220989	0.0093624	mg/L	0.00220989	23.60%
Ba 455.398†	285132.5	0.980164	mg/L	0.0064153	0.980164	mg/L	0.0064153	0.65%
Be 234.861†	16555.1	0.0035049	mg/L	0.00028710	0.0035049	mg/L	0.00028710	8.19%
Ca 315.887†	29988.4	18.7813	mg/L	0.04439	18.7813	mg/L	0.04439	0.24%
Cd 214.437†	972.2	-0.0105140	mg/L	0.00011284	-0.0105140	mg/L	0.00011284	1.07%
Ce 413.764†	7812.6	0.199753	mg/L	0.0010819	0.199753	mg/L	0.0010819	0.54%
Co 228.616†	419.4	0.0509572	mg/L	0.00002544	0.0509572	mg/L	0.00002544	0.05%
Cr 205.557†	2287.8	0.208304	mg/L	0.0020825	0.208304	mg/L	0.0020825	1.00%
Cu 327.397†	2793.1	0.0844701	mg/L	0.00103994	0.0844701	mg/L	0.00103994	1.23%
Fe 238.204†	571191.2	223.801	mg/L	1.2074	223.801	mg/L	1.2074	0.54%
K 766.490	2032.2	3.04201	mg/L	0.040637	3.04201	mg/L	0.040637	1.34%
Li 670.784†	1922.7	0.0601226	mg/L	0.00049143	0.0601226	mg/L	0.00049143	0.82%
Mg 279.071†	6729.1	13.8512	mg/L	0.00435	13.8512	mg/L	0.00435	0.03%
Mn 257.610†	2034083.9	13.1653	mg/L	0.11295	13.1653	mg/L	0.11295	0.86%
Mo 202.031†	36.7	0.0054404	mg/L	0.00061459	0.0054404	mg/L	0.00061459	11.30%
Na 589.592†	1706.8	0.264670	mg/L	0.0012011	0.264670	mg/L	0.0012011	0.45%
Ni 231.604†	1276.8	0.101890	mg/L	0.0015443	0.101890	mg/L	0.0015443	1.52%
Pb 220.353†	341.1	0.175402	mg/L	0.0039197	0.175402	mg/L	0.0039197	2.23%
Sb 217.584†	-1203.5	-0.235721	mg/L	0.0006373	-0.235721	mg/L	0.0006373	0.27%
Se 196.026†	79.7	0.423897	mg/L	0.0049242	0.423897	mg/L	0.0049242	1.16%
Si 251.611†	77165.2	7.00896	mg/L	0.027802	7.00896	mg/L	0.027802	0.40%
Sn 189.927†	-34.0	-0.0078785	mg/L	0.00163080	-0.0078785	mg/L	0.00163080	20.70%
Sr 407.771†	55331.9	0.0719165	mg/L	0.00014375	0.0719165	mg/L	0.00014375	0.20%
Ti 334.940†	27697.0	1.80122	mg/L	0.005977	1.80122	mg/L	0.005977	0.33%
Tl 190.801†	-27.9	-0.0117561	mg/L	0.00114398	-0.0117561	mg/L	0.00114398	9.73%
V 292.395†	10145.7	0.186866	mg/L	0.0020579	0.186866	mg/L	0.0020579	1.10%
Zn 206.200†	3859.3	0.353225	mg/L	0.0034421	0.353225	mg/L	0.0034421	0.97%

Sequence No.: 52 **Autosampler Location: 48**

Sample ID: 1001286-12
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 1/27/2010 1:15:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001286-12

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	154895.5	154895.5	100.923	%			13:16:23
1	Al 396.153†	58131.4	57404.5	18.4180	mg/L	18.4180	mg/L	13:16:23
1	Ba 455.398†	32810.3	32513.5	0.112727	mg/L	0.112727	mg/L	13:16:23
1	Ca 315.887†	939616.3	930891.4	583.256	mg/L	583.256	mg/L	13:16:18
1	Fe 238.204†	180016.9	178338.2	69.8679	mg/L	69.8679	mg/L	13:16:18
1	K 766.490	1692.6	1712.4	2.55710	mg/L	2.55710	mg/L	13:16:23
1	Li 670.784†	1012.6	1024.3	0.0326872	mg/L	0.0326872	mg/L	13:16:23
1	Mg 279.071†	81584.0	80823.5	166.327	mg/L	166.327	mg/L	13:16:23
1	Na 589.592†	5408.5	4583.4	0.707399	mg/L	0.707399	mg/L	13:16:23
1	Sr 407.771†	278413.5	275212.7	0.354311	mg/L	0.354311	mg/L	13:16:18
1	Ti 334.940†	26633.2	26395.5	1.71669	mg/L	1.71669	mg/L	13:16:23
1	Sc 357.234	221211.4	221211.4	96.8232	%			13:16:40
1	Ag 328.068†	-3000.4	-3072.7	-0.0295165	mg/L	-0.0295165	mg/L	13:17:00
1	As 188.979†	11.5	31.9	0.0375112	mg/L	0.0375112	mg/L	13:17:00
1	B 249.677†	655.8	279.6	0.0161180	mg/L	0.0161180	mg/L	13:17:00
1	Be 234.861†	4141.3	5071.9	0.0006245	mg/L	0.0006245	mg/L	13:16:40
1	Cd 214.437†	520.0	337.7	-0.0023609	mg/L	-0.0023609	mg/L	13:17:00
1	Ce 413.764†	6590.9	6484.2	0.165685	mg/L	0.165685	mg/L	13:16:40
1	Co 228.616†	116.1	193.5	0.0223943	mg/L	0.0223943	mg/L	13:17:00
1	Cr 205.557†	501.6	541.3	0.0501666	mg/L	0.0501666	mg/L	13:17:00
1	Cu 327.397†	1789.8	1593.7	0.0472114	mg/L	0.0472114	mg/L	13:17:00
1	Mn 257.610†	274415.5	283237.8	1.83451	mg/L	1.83451	mg/L	13:16:40
1	Mo 202.031†	210.9	136.6	0.0177198	mg/L	0.0177198	mg/L	13:17:00
1	Ni 231.604†	1034.5	629.9	0.0498511	mg/L	0.0498511	mg/L	13:17:00
1	Pb 220.353†	12.1	37.4	0.0224070	mg/L	0.0224070	mg/L	13:17:00
1	Sb 217.584†	-516.5	-480.5	-0.150880	mg/L	-0.150880	mg/L	13:17:00
1	Se 196.026†	-5.3	34.8	0.148742	mg/L	0.148742	mg/L	13:17:00
1	Si 251.611†	37547.5	38051.1	3.42923	mg/L	3.42923	mg/L	13:16:40
1	Sn 189.927†	-221.8	-244.2	0.0221538	mg/L	0.0221538	mg/L	13:17:00
1	Tl 190.801†	-65.5	-30.0	-0.0152102	mg/L	-0.0152102	mg/L	13:17:00
1	V 292.395†	2724.6	4128.6	0.0798742	mg/L	0.0798742	mg/L	13:17:00
1	Zn 206.200†	1372.9	1483.3	0.132057	mg/L	0.132057	mg/L	13:17:00
2	Y 360.076	154950.8	154950.8	100.959	%			13:16:34
2	Al 396.153†	57962.6	57216.8	18.3583	mg/L	18.3583	mg/L	13:16:34
2	Ba 455.398†	32698.1	32390.7	0.112305	mg/L	0.112305	mg/L	13:16:34
2	Ca 315.887†	940973.4	931903.3	583.890	mg/L	583.890	mg/L	13:16:29
2	Fe 238.204†	180567.8	178820.2	70.0568	mg/L	70.0568	mg/L	13:16:29
2	K 766.490	1651.8	1671.6	2.49527	mg/L	2.49527	mg/L	13:16:34
2	Li 670.784†	1049.6	1060.6	0.0337956	mg/L	0.0337956	mg/L	13:16:34
2	Mg 279.071†	81457.6	80669.5	166.010	mg/L	166.010	mg/L	13:16:34
2	Na 589.592†	5337.3	4510.9	0.696248	mg/L	0.696248	mg/L	13:16:34
2	Sr 407.771†	278752.3	275449.8	0.354615	mg/L	0.354615	mg/L	13:16:29
2	Ti 334.940†	26524.5	26278.5	1.70908	mg/L	1.70908	mg/L	13:16:34
2	Sc 357.234	224222.7	224222.7	98.1412	%			13:17:05
2	Ag 328.068†	-2981.5	-3011.8	-0.0285472	mg/L	-0.0285472	mg/L	13:17:25
2	As 188.979†	24.9	45.4	0.0587196	mg/L	0.0587196	mg/L	13:17:25
2	B 249.677†	666.2	281.1	0.0162233	mg/L	0.0162233	mg/L	13:17:25
2	Be 234.861†	4093.5	4965.8	0.0000539	mg/L	0.0000539	mg/L	13:17:05
2	Cd 214.437†	510.2	320.5	-0.0030103	mg/L	-0.0030103	mg/L	13:17:25
2	Ce 413.764†	6612.4	6414.6	0.163904	mg/L	0.163904	mg/L	13:17:05
2	Co 228.616†	120.9	196.8	0.0229027	mg/L	0.0229027	mg/L	13:17:25
2	Cr 205.557†	511.7	544.6	0.0504634	mg/L	0.0504634	mg/L	13:17:25
2	Cu 327.397†	1768.1	1546.8	0.0457516	mg/L	0.0457516	mg/L	13:17:25
2	Mn 257.610†	275933.5	280978.2	1.81990	mg/L	1.81990	mg/L	13:17:05
2	Mo 202.031†	213.9	136.7	0.0177316	mg/L	0.0177316	mg/L	13:17:25
2	Ni 231.604†	1038.1	619.2	0.0489903	mg/L	0.0489903	mg/L	13:17:25
2	Pb 220.353†	14.0	39.1	0.0232716	mg/L	0.0232716	mg/L	13:17:25
2	Sb 217.584†	-510.3	-467.0	-0.140136	mg/L	-0.140136	mg/L	13:17:25
2	Se 196.026†	-2.8	37.3	0.154316	mg/L	0.154316	mg/L	13:17:25
2	Si 251.611†	37900.4	37889.9	3.41488	mg/L	3.41488	mg/L	13:17:05
2	Sn 189.927†	-215.5	-234.8	0.0264954	mg/L	0.0264954	mg/L	13:17:25
2	Tl 190.801†	-67.2	-30.8	-0.0162936	mg/L	-0.0162936	mg/L	13:17:25

2	V 292.395†	2714.2	4080.2	0.0787560 mg/L	0.0787560 mg/L	13:17:25
2	Zn 206.200†	1364.0	1455.2	0.129373 mg/L	0.129373 mg/L	13:17:25

Mean Data: 1001286-12

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	222717.1	97.4822	%	0.93199				0.96%
Y 360.076	154923.2	100.941	%	0.0255				0.03%
Ag 328.068†	-3042.3	-0.0290319	mg/L	0.00068541	-0.0290319	mg/L	0.00068541	2.36%
Al 396.153†	57310.6	18.3881	mg/L	0.04221	18.3881	mg/L	0.04221	0.23%
As 188.979†	38.7	0.0481154	mg/L	0.01499659	0.0481154	mg/L	0.01499659	31.17%
B 249.677†	280.4	0.0161707	mg/L	0.00007448	0.0161707	mg/L	0.00007448	0.46%
Ba 455.398†	32452.1	0.112516	mg/L	0.0002980	0.112516	mg/L	0.0002980	0.26%
Be 234.861†	5018.9	0.0003392	mg/L	0.00040347	0.0003392	mg/L	0.00040347	118.95%
Ca 315.887†	931397.4	583.573	mg/L	0.4484	583.573	mg/L	0.4484	0.08%
Cd 214.437†	329.1	-0.0026856	mg/L	0.00045920	-0.0026856	mg/L	0.00045920	17.10%
Ce 413.764†	6449.4	0.164794	mg/L	0.0012593	0.164794	mg/L	0.0012593	0.76%
Co 228.616†	195.1	0.0226485	mg/L	0.00035948	0.0226485	mg/L	0.00035948	1.59%
Cr 205.557†	543.0	0.0503150	mg/L	0.00020992	0.0503150	mg/L	0.00020992	0.42%
Cu 327.397†	1570.2	0.0464815	mg/L	0.00103228	0.0464815	mg/L	0.00103228	2.22%
Fe 238.204†	178579.2	69.9624	mg/L	0.13357	69.9624	mg/L	0.13357	0.19%
K 766.490	1692.0	2.52618	mg/L	0.043723	2.52618	mg/L	0.043723	1.73%
Li 670.784†	1042.5	0.0332414	mg/L	0.00078375	0.0332414	mg/L	0.00078375	2.36%
Mg 279.071†	80746.5	166.169	mg/L	0.2241	166.169	mg/L	0.2241	0.13%
Mn 257.610†	282108.0	1.82721	mg/L	0.010330	1.82721	mg/L	0.010330	0.57%
Mo 202.031†	136.7	0.0177257	mg/L	0.00000834	0.0177257	mg/L	0.00000834	0.05%
Na 589.592†	4547.2	0.701823	mg/L	0.0078853	0.701823	mg/L	0.0078853	1.12%
Ni 231.604†	624.5	0.0494207	mg/L	0.00060873	0.0494207	mg/L	0.00060873	1.23%
Pb 220.353†	38.3	0.0228393	mg/L	0.00061137	0.0228393	mg/L	0.00061137	2.68%
Sb 217.584†	-473.8	-0.145508	mg/L	0.0075976	-0.145508	mg/L	0.0075976	5.22%
Se 196.026†	36.1	0.151529	mg/L	0.0039414	0.151529	mg/L	0.0039414	2.60%
Si 251.611†	37970.5	3.42206	mg/L	0.010147	3.42206	mg/L	0.010147	0.30%
Sn 189.927†	-239.5	0.0243246	mg/L	0.00306996	0.0243246	mg/L	0.00306996	12.62%
Sr 407.771†	275331.2	0.354463	mg/L	0.0002153	0.354463	mg/L	0.0002153	0.06%
Ti 334.940†	26337.0	1.71288	mg/L	0.005377	1.71288	mg/L	0.005377	0.31%
Tl 190.801†	-30.4	-0.0157519	mg/L	0.00076607	-0.0157519	mg/L	0.00076607	4.86%
V 292.395†	4104.4	0.0793151	mg/L	0.00079064	0.0793151	mg/L	0.00079064	1.00%
Zn 206.200†	1469.2	0.130715	mg/L	0.0018980	0.130715	mg/L	0.0018980	1.45%

Sequence No.: 53
Sample ID: 1001286-13
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 1/27/2010 1:20:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001286-13

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	154680.1	154680.1	100.783	%			13:21:30
1	Al 396.153†	148741.2	147390.8	47.0597	mg/L	47.0597	mg/L	13:21:30
1	Ba 455.398†	280365.0	278190.8	0.956328	mg/L	0.956328	mg/L	13:21:25
1	Ca 315.887†	637971.9	632886.0	396.536	mg/L	396.536	mg/L	13:21:25
1	Fe 238.204†	557685.6	553322.1	216.798	mg/L	216.798	mg/L	13:21:25
1	K 766.490	3168.0	3187.8	4.79405	mg/L	4.79405	mg/L	13:21:30
1	Li 670.784†	2326.7	2329.7	0.0725530	mg/L	0.0725530	mg/L	13:21:30
1	Mg 279.071†	65097.9	64578.1	132.896	mg/L	132.896	mg/L	13:21:30
1	Na 589.592†	10725.7	9866.8	1.52056	mg/L	1.52056	mg/L	13:21:30
1	Sr 407.771†	349213.8	345847.2	0.445027	mg/L	0.445027	mg/L	13:21:25
1	Ti 334.940†	30033.7	29806.4	1.93823	mg/L	1.93823	mg/L	13:21:30
1	Sc 357.234	228000.2	228000.2	99.7946	%			13:21:47
1	Ag 328.068†	-8497.3	-8488.6	-0.0967205	mg/L	-0.0967205	mg/L	13:22:07
1	As 188.979†	40.9	61.0	0.0810525	mg/L	0.0810525	mg/L	13:22:07
1	B 249.677†	708.8	312.6	0.0345662	mg/L	0.0345662	mg/L	13:21:47
1	Be 234.861†	14702.1	15527.0	0.0010082	mg/L	0.0010082	mg/L	13:21:47
1	Cd 214.437†	1118.8	921.7	-0.0104242	mg/L	-0.0104242	mg/L	13:22:07
1	Ce 413.764†	6072.8	5762.3	0.147101	mg/L	0.147101	mg/L	13:21:47
1	Co 228.616†	313.9	388.1	0.0461829	mg/L	0.0461829	mg/L	13:22:07
1	Cr 205.557†	3540.8	3571.3	0.317115	mg/L	0.317115	mg/L	13:22:07

1	Cu 327.397†	8880.3	8643.7	0.265849 mg/L	0.265849 mg/L	13:21:47
1	Mn 257.610†	598851.0	599902.0	3.88832 mg/L	3.88832 mg/L	13:21:47
1	Mo 202.031†	250.6	169.9	0.0218188 mg/L	0.0218188 mg/L	13:22:07
1	Ni 231.604†	2378.2	1944.5	0.155731 mg/L	0.155731 mg/L	13:22:07
1	Pb 220.353†	1885.4	1914.1	0.968111 mg/L	0.968111 mg/L	13:22:07
1	Sb 217.584†	-1246.5	-1196.1	-0.250698 mg/L	-0.250698 mg/L	13:22:07
1	Se 196.026†	52.1	92.4	0.442012 mg/L	0.442012 mg/L	13:22:07
1	Si 251.611†	63945.3	63348.5	5.75222 mg/L	5.75222 mg/L	13:21:47
1	Sn 189.927†	-162.5	-178.0	0.0107504 mg/L	0.0107504 mg/L	13:22:07
1	Tl 190.801†	-73.0	-35.5	-0.0197081 mg/L	-0.0197081 mg/L	13:22:07
1	V 292.395†	6131.8	7459.1	0.127759 mg/L	0.127759 mg/L	13:22:07
1	Zn 206.200†	5497.0	5573.6	0.514299 mg/L	0.514299 mg/L	13:22:07
2	Y 360.076	155947.6	155947.6	101.609 %		13:21:40
2	Al 396.153†	147831.2	145295.7	46.3910 mg/L	46.3910 mg/L	13:21:40
2	Ba 455.398†	279189.7	274773.2	0.944593 mg/L	0.944593 mg/L	13:21:35
2	Ca 315.887†	636183.5	625981.2	392.210 mg/L	392.210 mg/L	13:21:35
2	Fe 238.204†	556756.2	547910.2	214.677 mg/L	214.677 mg/L	13:21:35
2	K 766.490	3193.7	3213.5	4.83293 mg/L	4.83293 mg/L	13:21:40
2	Li 670.784†	2270.2	2255.3	0.0702795 mg/L	0.0702795 mg/L	13:21:40
2	Mg 279.071†	64822.0	63781.6	131.257 mg/L	131.257 mg/L	13:21:40
2	Na 589.592†	10609.9	9666.3	1.48971 mg/L	1.48971 mg/L	13:21:40
2	Sr 407.771†	347740.7	341581.3	0.439548 mg/L	0.439548 mg/L	13:21:35
2	Ti 334.940†	29930.6	29462.7	1.91590 mg/L	1.91590 mg/L	13:21:40
2	Sc 357.234	225762.3	225762.3	98.8151 %		13:22:12
2	Ag 328.068†	-8482.3	-8557.9	-0.0981136 mg/L	-0.0981136 mg/L	13:22:32
2	As 188.979†	40.3	60.8	0.0809516 mg/L	0.0809516 mg/L	13:22:32
2	B 249.677†	627.5	237.3	0.0302748 mg/L	0.0302748 mg/L	13:22:12
2	Be 234.861†	14850.0	15822.8	0.0031396 mg/L	0.0031396 mg/L	13:22:12
2	Cd 214.437†	1136.6	950.8	-0.0089520 mg/L	-0.0089520 mg/L	13:22:32
2	Ce 413.764†	6080.9	5830.8	0.148866 mg/L	0.148866 mg/L	13:22:12
2	Co 228.616†	313.0	390.3	0.0466420 mg/L	0.0466420 mg/L	13:22:32
2	Cr 205.557†	3527.4	3592.9	0.318825 mg/L	0.318825 mg/L	13:22:32
2	Cu 327.397†	8926.6	8778.8	0.270020 mg/L	0.270020 mg/L	13:22:12
2	Mn 257.610†	601286.8	608315.6	3.94266 mg/L	3.94266 mg/L	13:22:12
2	Mo 202.031†	237.5	159.2	0.0204948 mg/L	0.0204948 mg/L	13:22:32
2	Ni 231.604†	2384.1	1974.1	0.158112 mg/L	0.158112 mg/L	13:22:32
2	Pb 220.353†	1864.2	1911.4	0.966708 mg/L	0.966708 mg/L	13:22:32
2	Sb 217.584†	-1253.3	-1215.4	-0.271700 mg/L	-0.271700 mg/L	13:22:32
2	Se 196.026†	52.4	93.2	0.441127 mg/L	0.441127 mg/L	13:22:32
2	Si 251.611†	64068.4	64108.3	5.82108 mg/L	5.82108 mg/L	13:22:12
2	Sn 189.927†	-162.0	-179.1	0.0093485 mg/L	0.0093485 mg/L	13:22:32
2	Tl 190.801†	-77.4	-40.7	-0.0259668 mg/L	-0.0259668 mg/L	13:22:32
2	V 292.395†	6153.1	7541.5	0.130001 mg/L	0.130001 mg/L	13:22:32
2	Zn 206.200†	5468.4	5599.3	0.516927 mg/L	0.516927 mg/L	13:22:32

Mean Data: 1001286-13

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	226881.3	99.3048	%	0.69264				0.70%
Y 360.076	155313.8	101.196	%	0.5839				0.58%
Ag 328.068†	-8523.2	-0.0974171	mg/L	0.00098509	-0.0974171	mg/L	0.00098509	1.01%
Al 396.153†	146343.2	46.7254	mg/L	0.47290	46.7254	mg/L	0.47290	1.01%
As 188.979†	60.9	0.0810021	mg/L	0.00007134	0.0810021	mg/L	0.00007134	0.09%
B 249.677†	274.9	0.0324205	mg/L	0.00303452	0.0324205	mg/L	0.00303452	9.36%
Ba 455.398†	276482.0	0.950461	mg/L	0.0082983	0.950461	mg/L	0.0082983	0.87%
Be 234.861†	15674.9	0.0020739	mg/L	0.00150713	0.0020739	mg/L	0.00150713	72.67%
Ca 315.887†	629433.6	394.373	mg/L	3.0592	394.373	mg/L	3.0592	0.78%
Cd 214.437†	936.2	-0.0096881	mg/L	0.00104100	-0.0096881	mg/L	0.00104100	10.75%
Ce 413.764†	5796.5	0.147983	mg/L	0.0012486	0.147983	mg/L	0.0012486	0.84%
Co 228.616†	389.2	0.0464125	mg/L	0.00032465	0.0464125	mg/L	0.00032465	0.70%
Cr 205.557†	3582.1	0.317970	mg/L	0.0012098	0.317970	mg/L	0.0012098	0.38%
Cu 327.397†	8711.3	0.267934	mg/L	0.0029500	0.267934	mg/L	0.0029500	1.10%
Fe 238.204†	550616.1	215.737	mg/L	1.4994	215.737	mg/L	1.4994	0.70%
K 766.490	3200.7	4.81349	mg/L	0.027496	4.81349	mg/L	0.027496	0.57%
Li 670.784†	2292.5	0.0714162	mg/L	0.00160757	0.0714162	mg/L	0.00160757	2.25%
Mg 279.071†	64179.8	132.077	mg/L	1.1590	132.077	mg/L	1.1590	0.88%
Mn 257.610†	604108.8	3.91549	mg/L	0.038425	3.91549	mg/L	0.038425	0.98%
Mo 202.031†	164.6	0.0211568	mg/L	0.00093616	0.0211568	mg/L	0.00093616	4.42%
Na 589.592†	9766.6	1.50513	mg/L	0.021817	1.50513	mg/L	0.021817	1.45%
Ni 231.604†	1959.3	0.156921	mg/L	0.0016838	0.156921	mg/L	0.0016838	1.07%

Pb 220.353†	1912.8	0.967410	mg/L	0.0009917	0.967410	mg/L	0.0009917	0.10%
Sb 217.584†	-1205.7	-0.261199	mg/L	0.0148510	-0.261199	mg/L	0.0148510	5.69%
Se 196.026†	92.8	0.441570	mg/L	0.0006253	0.441570	mg/L	0.0006253	0.14%
Si 251.611†	63728.4	5.78665	mg/L	0.048687	5.78665	mg/L	0.048687	0.84%
Sn 189.927†	-178.5	0.0100495	mg/L	0.00099126	0.0100495	mg/L	0.00099126	9.86%
Sr 407.771†	343714.3	0.442288	mg/L	0.0038740	0.442288	mg/L	0.0038740	0.88%
Ti 334.940†	29634.6	1.92707	mg/L	0.015786	1.92707	mg/L	0.015786	0.82%
Tl 190.801†	-38.1	-0.0228374	mg/L	0.00442558	-0.0228374	mg/L	0.00442558	19.38%
V 292.395†	7500.3	0.128880	mg/L	0.0015853	0.128880	mg/L	0.0015853	1.23%
Zn 206.200†	5586.5	0.515613	mg/L	0.0018581	0.515613	mg/L	0.0018581	0.36%

Sequence No.: 54
Sample ID: 1001286-14
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 1/27/2010 1:25:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001286-14

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	159505.8	159505.8	103.927	%			13:26:39
1	Al 396.153†	144900.7	139230.3	44.3726	mg/L	44.3726	mg/L	13:26:34
1	Ba 455.398†	165528.8	159277.5	0.548006	mg/L	0.548006	mg/L	13:26:34
1	Ca 315.887†	29102.1	27871.4	17.4549	mg/L	17.4549	mg/L	13:26:39
1	Fe 238.204†	277144.5	266640.3	104.476	mg/L	104.476	mg/L	13:26:34
1	K 766.490	2010.2	2030.0	3.03860	mg/L	3.03860	mg/L	13:26:39
1	Li 670.784†	1726.6	1682.4	0.0527849	mg/L	0.0527849	mg/L	13:26:39
1	Mg 279.071†	7491.8	7194.5	14.8088	mg/L	14.8088	mg/L	13:26:39
1	Na 589.592†	2559.1	1686.8	0.261586	mg/L	0.261586	mg/L	13:26:39
1	Sr 407.771†	45421.1	43050.4	0.0561433	mg/L	0.0561433	mg/L	13:26:39
1	Ti 334.940†	29646.4	28532.2	1.85546	mg/L	1.85546	mg/L	13:26:39
1	Sc 357.234	236259.1	236259.1	103.409	%			13:26:56
1	Ag 328.068†	-4113.4	-3951.7	-0.0452547	mg/L	-0.0452547	mg/L	13:26:56
1	As 188.979†	21.5	40.8	0.0506360	mg/L	0.0506360	mg/L	13:27:16
1	B 249.677†	290.3	-117.0	-0.0014831	mg/L	-0.0014831	mg/L	13:26:56
1	Be 234.861†	7321.6	7874.9	0.0022101	mg/L	0.0022101	mg/L	13:26:56
1	Cd 214.437†	710.6	487.8	-0.0051587	mg/L	-0.0051587	mg/L	13:27:16
1	Ce 413.764†	5781.0	5267.3	0.134438	mg/L	0.134438	mg/L	13:26:56
1	Co 228.616†	171.3	239.2	0.0277900	mg/L	0.0277900	mg/L	13:27:16
1	Cr 205.557†	1062.4	1050.6	0.0956520	mg/L	0.0956520	mg/L	13:27:16
1	Cu 327.397†	2207.2	1879.6	0.0561782	mg/L	0.0561782	mg/L	13:26:56
1	Mn 257.610†	154602.8	149324.0	0.969620	mg/L	0.969620	mg/L	13:26:56
1	Mo 202.031†	136.7	51.0	0.0071909	mg/L	0.0071909	mg/L	13:27:16
1	Ni 231.604†	1315.5	833.5	0.0662357	mg/L	0.0662357	mg/L	13:27:16
1	Pb 220.353†	215.4	233.2	0.121236	mg/L	0.121236	mg/L	13:27:16
1	Sb 217.584†	-625.7	-552.1	-0.101260	mg/L	-0.101260	mg/L	13:27:16
1	Se 196.026†	-1.4	38.9	0.197906	mg/L	0.197906	mg/L	13:27:16
1	Si 251.611†	65479.2	62591.9	5.65709	mg/L	5.65709	mg/L	13:26:56
1	Sn 189.927†	-18.5	-33.1	-0.0077413	mg/L	-0.0077413	mg/L	13:27:16
1	Tl 190.801†	-66.8	-27.0	-0.0105209	mg/L	-0.0105209	mg/L	13:27:16
1	V 292.395†	6531.5	7630.8	0.152137	mg/L	0.152137	mg/L	13:26:56
1	Zn 206.200†	2860.2	2831.2	0.262159	mg/L	0.262159	mg/L	13:27:16
2	Y 360.076	159304.8	159304.8	103.796	%			13:26:49
2	Al 396.153†	145495.6	139979.5	44.6114	mg/L	44.6114	mg/L	13:26:44
2	Ba 455.398†	165917.8	159853.2	0.549983	mg/L	0.549983	mg/L	13:26:44
2	Ca 315.887†	29108.6	27913.0	17.4809	mg/L	17.4809	mg/L	13:26:49
2	Fe 238.204†	278619.4	268397.7	105.164	mg/L	105.164	mg/L	13:26:44
2	K 766.490	2017.5	2037.3	3.04980	mg/L	3.04980	mg/L	13:26:49
2	Li 670.784†	1686.2	1645.5	0.0516582	mg/L	0.0516582	mg/L	13:26:49
2	Mg 279.071†	7519.5	7230.3	14.8824	mg/L	14.8824	mg/L	13:26:49
2	Na 589.592†	2544.7	1676.0	0.259926	mg/L	0.259926	mg/L	13:26:49
2	Sr 407.771†	45472.4	43155.0	0.0562776	mg/L	0.0562776	mg/L	13:26:49
2	Ti 334.940†	29731.5	28650.1	1.86313	mg/L	1.86313	mg/L	13:26:49
2	Sc 357.234	235769.1	235769.1	103.195	%			13:27:21
2	Ag 328.068†	-4081.3	-3928.7	-0.0447958	mg/L	-0.0447958	mg/L	13:27:21
2	As 188.979†	29.6	48.7	0.0628335	mg/L	0.0628335	mg/L	13:27:41
2	B 249.677†	310.8	-96.5	-0.0003031	mg/L	-0.0003031	mg/L	13:27:21
2	Be 234.861†	7331.6	7899.3	0.0020938	mg/L	0.0020938	mg/L	13:27:21
2	Cd 214.437†	684.5	463.9	-0.0061553	mg/L	-0.0061553	mg/L	13:27:41

2	Ce 413.764†	5874.5	5369.6	0.137058 mg/L	0.137058 mg/L	13:27:21
2	Co 228.616†	172.3	240.5	0.0279365 mg/L	0.0279365 mg/L	13:27:41
2	Cr 205.557†	1056.2	1046.7	0.0953576 mg/L	0.0953576 mg/L	13:27:41
2	Cu 327.397†	2225.4	1901.6	0.0568660 mg/L	0.0568660 mg/L	13:27:21
2	Mn 257.610†	154859.8	149883.6	0.973266 mg/L	0.973266 mg/L	13:27:21
2	Mo 202.031†	140.0	54.5	0.0076203 mg/L	0.0076203 mg/L	13:27:41
2	Ni 231.604†	1296.9	818.2	0.0649967 mg/L	0.0649967 mg/L	13:27:41
2	Pb 220.353†	212.9	231.2	0.120212 mg/L	0.120212 mg/L	13:27:41
2	Sb 217.584†	-625.1	-552.8	-0.0997134 mg/L	-0.0997134 mg/L	13:27:41
2	Se 196.026†	0.4	40.6	0.202257 mg/L	0.202257 mg/L	13:27:41
2	Si 251.611†	65276.7	62527.3	5.65122 mg/L	5.65122 mg/L	13:27:21
2	Sn 189.927†	-18.3	-32.9	-0.0076450 mg/L	-0.0076450 mg/L	13:27:41
2	Tl 190.801†	-68.9	-29.1	-0.0129070 mg/L	-0.0129070 mg/L	13:27:41
2	V 292.395†	6512.3	7625.3	0.151889 mg/L	0.151889 mg/L	13:27:21
2	Zn 206.200†	2834.4	2812.0	0.260279 mg/L	0.260279 mg/L	13:27:41

Mean Data: 1001286-14

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	236014.1	103.302	%	0.1516				0.15%
Y 360.076	159405.3	103.861	%	0.0926				0.09%
Ag 328.068†	-3940.2	-0.0450252	mg/L	0.00032443	-0.0450252	mg/L	0.00032443	0.72%
Al 396.153†	139604.9	44.4920	mg/L	0.16885	44.4920	mg/L	0.16885	0.38%
As 188.979†	44.8	0.0567348	mg/L	0.00862488	0.0567348	mg/L	0.00862488	15.20%
B 249.677†	-106.7	-0.0008931	mg/L	0.00083436	-0.0008931	mg/L	0.00083436	93.42%
Ba 455.398†	159565.4	0.548995	mg/L	0.0013979	0.548995	mg/L	0.0013979	0.25%
Be 234.861†	7887.1	0.0021519	mg/L	0.00008220	0.0021519	mg/L	0.00008220	3.82%
Ca 315.887†	27892.2	17.4679	mg/L	0.01843	17.4679	mg/L	0.01843	0.11%
Cd 214.437†	475.8	-0.0056570	mg/L	0.00070465	-0.0056570	mg/L	0.00070465	12.46%
Ce 413.764†	5318.5	0.135748	mg/L	0.0018529	0.135748	mg/L	0.0018529	1.36%
Co 228.616†	239.9	0.0278633	mg/L	0.00010361	0.0278633	mg/L	0.00010361	0.37%
Cr 205.557†	1048.7	0.0955048	mg/L	0.00020820	0.0955048	mg/L	0.00020820	0.22%
Cu 327.397†	1890.6	0.0565221	mg/L	0.00048639	0.0565221	mg/L	0.00048639	0.86%
Fe 238.204†	267519.0	104.820	mg/L	0.4869	104.820	mg/L	0.4869	0.46%
K 766.490	2033.6	3.04420	mg/L	0.007914	3.04420	mg/L	0.007914	0.26%
Li 670.784†	1664.0	0.0522215	mg/L	0.00079672	0.0522215	mg/L	0.00079672	1.53%
Mg 279.071†	7212.4	14.8456	mg/L	0.05208	14.8456	mg/L	0.05208	0.35%
Mn 257.610†	149603.8	0.971443	mg/L	0.0025781	0.971443	mg/L	0.0025781	0.27%
Mo 202.031†	52.7	0.0074056	mg/L	0.00030368	0.0074056	mg/L	0.00030368	4.10%
Na 589.592†	1681.4	0.260756	mg/L	0.0011741	0.260756	mg/L	0.0011741	0.45%
Ni 231.604†	825.9	0.0656162	mg/L	0.00087610	0.0656162	mg/L	0.00087610	1.34%
Pb 220.353†	232.2	0.120724	mg/L	0.0007238	0.120724	mg/L	0.0007238	0.60%
Sb 217.584†	-552.5	-0.100487	mg/L	0.0010936	-0.100487	mg/L	0.0010936	1.09%
Se 196.026†	39.7	0.200082	mg/L	0.0030764	0.200082	mg/L	0.0030764	1.54%
Si 251.611†	62559.6	5.65415	mg/L	0.004153	5.65415	mg/L	0.004153	0.07%
Sn 189.927†	-33.0	-0.0076931	mg/L	0.00006814	-0.0076931	mg/L	0.00006814	0.89%
Sr 407.771†	43102.7	0.0562105	mg/L	0.00009496	0.0562105	mg/L	0.00009496	0.17%
Ti 334.940†	28591.2	1.85929	mg/L	0.005419	1.85929	mg/L	0.005419	0.29%
Tl 190.801†	-28.0	-0.0117139	mg/L	0.00168726	-0.0117139	mg/L	0.00168726	14.40%
V 292.395†	7628.0	0.152013	mg/L	0.0001756	0.152013	mg/L	0.0001756	0.12%
Zn 206.200†	2821.6	0.261219	mg/L	0.0013294	0.261219	mg/L	0.0013294	0.51%

==========

Sequence No.: 55
Sample ID: 1001286-15
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 1/27/2010 1:30:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001286-15

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	158794.0	158794.0	103.463	%			13:31:45
1	Al 396.153†	241553.8	233273.2	74.3733	mg/L	74.3733	mg/L	13:31:45
1	Ba 455.398†	359049.7	347034.7	1.19272	mg/L	1.19272	mg/L	13:31:40
1	Ca 315.887†	204300.3	197330.8	123.632	mg/L	123.632	mg/L	13:31:45
1	Fe 238.204†	506168.3	489193.4	191.674	mg/L	191.674	mg/L	13:31:40
1	K 766.490	3169.6	3189.4	4.79637	mg/L	4.79637	mg/L	13:31:45
1	Li 670.784†	2897.4	2821.5	0.0875706	mg/L	0.0875706	mg/L	13:31:45

1	Mg 279.071†	19792.9	19116.1	39.3419	mg/L	39.3419 mg/L	13:31:45
1	Na 589.592†	5745.5	4777.5	0.737281	mg/L	0.737281 mg/L	13:31:45
1	Sr 407.771†	189251.7	182262.6	0.234934	mg/L	0.234934 mg/L	13:31:45
1	Ti 334.940†	49463.4	47813.7	3.10782	mg/L	3.10782 mg/L	13:31:45
1	Sc 357.234	231268.5	231268.5	101.225	%		13:32:02
1	Ag 328.068†	-7493.7	-7376.8	-0.0855788	mg/L	-0.0855788 mg/L	13:32:22
1	As 188.979†	44.9	64.4	0.0784801	mg/L	0.0784801 mg/L	13:32:22
1	B 249.677†	353.3	-48.6	0.0111819	mg/L	0.0111819 mg/L	13:32:02
1	Be 234.861†	13797.1	14424.8	0.0039959	mg/L	0.0039959 mg/L	13:32:02
1	Cd 214.437†	1078.2	865.8	-0.0094657	mg/L	-0.0094657 mg/L	13:32:22
1	Ce 413.764†	8099.7	7678.6	0.195831	mg/L	0.195831 mg/L	13:32:02
1	Co 228.616†	424.6	493.0	0.0602720	mg/L	0.0602720 mg/L	13:32:22
1	Cr 205.557†	2213.1	2209.6	0.199655	mg/L	0.199655 mg/L	13:32:22
1	Cu 327.397†	8244.0	7889.3	0.243200	mg/L	0.243200 mg/L	13:32:02
1	Mn 257.610†	1098579.7	1085102.3	7.02579	mg/L	7.02579 mg/L	13:32:02
1	Mo 202.031†	236.4	152.3	0.0196545	mg/L	0.0196545 mg/L	13:32:22
1	Ni 231.604†	1946.7	1484.6	0.118640	mg/L	0.118640 mg/L	13:32:22
1	Pb 220.353†	1178.3	1188.9	0.603309	mg/L	0.603309 mg/L	13:32:22
1	Sb 217.584†	-1102.4	-1036.1	-0.205361	mg/L	-0.205361 mg/L	13:32:22
1	Se 196.026†	32.9	72.7	0.371318	mg/L	0.371318 mg/L	13:32:22
1	Si 251.611†	74641.3	73009.6	6.59014	mg/L	6.59014 mg/L	13:32:02
1	Sn 189.927†	-104.3	-118.2	-0.0222780	mg/L	-0.0222780 mg/L	13:32:22
1	Tl 190.801†	-76.3	-37.8	-0.0108622	mg/L	-0.0108622 mg/L	13:32:22
1	V 292.395†	10282.0	11472.2	0.221919	mg/L	0.221919 mg/L	13:32:22
1	Zn 206.200†	8983.4	8940.0	0.838966	mg/L	0.838966 mg/L	13:32:22
2	Y 360.076	160159.1	160159.1	104.353	%		13:31:55
2	Al 396.153†	242813.0	232489.9	74.1237	mg/L	74.1237 mg/L	13:31:55
2	Ba 455.398†	359660.1	344661.8	1.18457	mg/L	1.18457 mg/L	13:31:50
2	Ca 315.887†	205858.3	197140.8	123.513	mg/L	123.513 mg/L	13:31:55
2	Fe 238.204†	507995.6	486774.7	190.726	mg/L	190.726 mg/L	13:31:50
2	K 766.490	3242.3	3262.1	4.90662	mg/L	4.90662 mg/L	13:31:55
2	Li 670.784†	2900.2	2800.3	0.0869249	mg/L	0.0869249 mg/L	13:31:55
2	Mg 279.071†	19955.8	19109.2	39.3276	mg/L	39.3276 mg/L	13:31:55
2	Na 589.592†	5786.3	4769.3	0.736019	mg/L	0.736019 mg/L	13:31:55
2	Sr 407.771†	190341.2	181747.5	0.234273	mg/L	0.234273 mg/L	13:31:55
2	Ti 334.940†	49900.5	47825.1	3.10856	mg/L	3.10856 mg/L	13:31:55
2	Sc 357.234	231531.5	231531.5	101.340	%		13:32:27
2	Ag 328.068†	-7553.6	-7427.5	-0.0864971	mg/L	-0.0864971 mg/L	13:32:48
2	As 188.979†	48.8	68.2	0.0845347	mg/L	0.0845347 mg/L	13:32:48
2	B 249.677†	369.1	-33.5	0.0119026	mg/L	0.0119026 mg/L	13:32:27
2	Be 234.861†	13672.9	14286.8	0.0036563	mg/L	0.0036563 mg/L	13:32:27
2	Cd 214.437†	1089.3	875.4	-0.0089279	mg/L	-0.0089279 mg/L	13:32:48
2	Ce 413.764†	8061.6	7631.9	0.194634	mg/L	0.194634 mg/L	13:32:27
2	Co 228.616†	410.9	479.0	0.0581891	mg/L	0.0581891 mg/L	13:32:48
2	Cr 205.557†	2216.7	2210.6	0.199684	mg/L	0.199684 mg/L	13:32:48
2	Cu 327.397†	8151.1	7788.4	0.240073	mg/L	0.240073 mg/L	13:32:27
2	Mn 257.610†	1096815.4	1082128.4	7.00652	mg/L	7.00652 mg/L	13:32:27
2	Mo 202.031†	229.5	145.2	0.0187788	mg/L	0.0187788 mg/L	13:32:48
2	Ni 231.604†	1967.5	1502.9	0.120116	mg/L	0.120116 mg/L	13:32:48
2	Pb 220.353†	1174.3	1183.7	0.600668	mg/L	0.600668 mg/L	13:32:48
2	Sb 217.584†	-1113.2	-1045.5	-0.215329	mg/L	-0.215329 mg/L	13:32:48
2	Se 196.026†	32.5	72.2	0.369315	mg/L	0.369315 mg/L	13:32:48
2	Si 251.611†	74316.3	72605.1	6.55325	mg/L	6.55325 mg/L	13:32:27
2	Sn 189.927†	-114.0	-127.7	-0.0265290	mg/L	-0.0265290 mg/L	13:32:48
2	Tl 190.801†	-86.8	-48.1	-0.0228281	mg/L	-0.0228281 mg/L	13:32:48
2	V 292.395†	10315.0	11493.2	0.222556	mg/L	0.222556 mg/L	13:32:48
2	Zn 206.200†	9007.7	8953.9	0.840347	mg/L	0.840347 mg/L	13:32:48

Mean Data: 1001286-15

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	231400.0	101.283	%	0.0814				0.08%
Y 360.076	159476.6	103.908	%	0.6289				0.61%
Ag 328.068†	-7402.2	-0.0860379	mg/L	0.00064933	-0.0860379	mg/L	0.00064933	0.75%
Al 396.153†	232881.6	74.2485	mg/L	0.17655	74.2485	mg/L	0.17655	0.24%
As 188.979†	66.3	0.0815074	mg/L	0.00428122	0.0815074	mg/L	0.00428122	5.25%
B 249.677†	-41.0	0.0115422	mg/L	0.00050959	0.0115422	mg/L	0.00050959	4.41%
Ba 455.398†	345848.3	1.18865	mg/L	0.005761	1.18865	mg/L	0.005761	0.48%
Be 234.861†	14355.8	0.0038261	mg/L	0.00024019	0.0038261	mg/L	0.00024019	6.28%
Ca 315.887†	197235.8	123.573	mg/L	0.0842	123.573	mg/L	0.0842	0.07%

Cd 214.437†	870.6	-0.0091968 mg/L	0.00038030	-0.0091968 mg/L	0.00038030	4.14%
Ce 413.764†	7655.3	0.195233 mg/L	0.0008469	0.195233 mg/L	0.0008469	0.43%
Co 228.616†	486.0	0.0592306 mg/L	0.00147283	0.0592306 mg/L	0.00147283	2.49%
Cr 205.557†	2210.1	0.199669 mg/L	0.0000207	0.199669 mg/L	0.0000207	0.01%
Cu 327.397†	7838.9	0.241636 mg/L	0.0022105	0.241636 mg/L	0.0022105	0.91%
Fe 238.204†	487984.0	191.200 mg/L	0.6701	191.200 mg/L	0.6701	0.35%
K 766.490	3225.7	4.85150 mg/L	0.077958	4.85150 mg/L	0.077958	1.61%
Li 670.784†	2810.9	0.0872477 mg/L	0.00045660	0.0872477 mg/L	0.00045660	0.52%
Mg 279.071†	19112.7	39.3348 mg/L	0.01010	39.3348 mg/L	0.01010	0.03%
Mn 257.610†	1083615.3	7.01615 mg/L	0.013627	7.01615 mg/L	0.013627	0.19%
Mo 202.031†	148.8	0.0192167 mg/L	0.00061920	0.0192167 mg/L	0.00061920	3.22%
Na 589.592†	4773.4	0.736650 mg/L	0.0008925	0.736650 mg/L	0.0008925	0.12%
Ni 231.604†	1493.7	0.119378 mg/L	0.0010437	0.119378 mg/L	0.0010437	0.87%
Pb 220.353†	1186.3	0.601989 mg/L	0.0018676	0.601989 mg/L	0.0018676	0.31%
Sb 217.584†	-1040.8	-0.210345 mg/L	0.0070486	-0.210345 mg/L	0.0070486	3.35%
Se 196.026†	72.5	0.370316 mg/L	0.0014161	0.370316 mg/L	0.0014161	0.38%
Si 251.611†	72807.3	6.57170 mg/L	0.026087	6.57170 mg/L	0.026087	0.40%
Sn 189.927†	-122.9	-0.0244035 mg/L	0.00300594	-0.0244035 mg/L	0.00300594	12.32%
Sr 407.771†	182005.1	0.234604 mg/L	0.0004677	0.234604 mg/L	0.0004677	0.20%
Ti 334.940†	47819.4	3.10819 mg/L	0.000523	3.10819 mg/L	0.000523	0.02%
Tl 190.801†	-42.9	-0.0168451 mg/L	0.00846116	-0.0168451 mg/L	0.00846116	50.23%
V 292.395†	11482.7	0.222238 mg/L	0.0004507	0.222238 mg/L	0.0004507	0.20%
Zn 206.200†	8947.0	0.839657 mg/L	0.0009769	0.839657 mg/L	0.0009769	0.12%

Sequence No.: 56
Sample ID: 1001286-16
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 1/27/2010 1:35:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001286-16

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	159964.1	159964.1	104.225	%			13:36:55
1	Al 396.153†	164253.6	157399.2	50.1859	mg/L	50.1859	mg/L	13:36:50
1	Ba 455.398†	474603.7	455365.6	1.56471	mg/L	1.56471	mg/L	13:36:50
1	Ca 315.887†	187497.9	179765.3	112.626	mg/L	112.626	mg/L	13:36:50
1	Fe 238.204†	282247.8	270772.7	106.093	mg/L	106.093	mg/L	13:36:50
1	K 766.490	1921.5	1941.3	2.90415	mg/L	2.90415	mg/L	13:36:55
1	Li 670.784†	2019.2	1958.4	0.0612127	mg/L	0.0612127	mg/L	13:36:55
1	Mg 279.071†	14169.5	13580.8	27.9510	mg/L	27.9510	mg/L	13:36:55
1	Na 589.592†	5815.4	4804.0	0.741357	mg/L	0.741357	mg/L	13:36:55
1	Sr 407.771†	136538.1	130348.2	0.168260	mg/L	0.168260	mg/L	13:36:50
1	Ti 334.940†	22054.4	21166.3	1.37704	mg/L	1.37704	mg/L	13:36:55
1	Sc 357.234	232858.4	232858.4	101.921	%			13:37:12
1	Ag 328.068†	-4107.5	-4003.9	-0.0447827	mg/L	-0.0447827	mg/L	13:37:12
1	As 188.979†	36.3	55.6	0.0762655	mg/L	0.0762655	mg/L	13:37:32
1	B 249.677†	504.8	97.6	0.0109744	mg/L	0.0109744	mg/L	13:37:12
1	Be 234.861†	7565.8	8217.9	0.0032651	mg/L	0.0032651	mg/L	13:37:12
1	Cd 214.437†	741.8	528.4	-0.0045580	mg/L	-0.0045580	mg/L	13:37:32
1	Ce 413.764†	5610.6	5181.8	0.132421	mg/L	0.132421	mg/L	13:37:12
1	Co 228.616†	308.7	376.4	0.0496191	mg/L	0.0496191	mg/L	13:37:32
1	Cr 205.557†	4998.2	4927.2	0.425800	mg/L	0.425800	mg/L	13:37:32
1	Cu 327.397†	9394.9	8963.0	0.275400	mg/L	0.275400	mg/L	13:37:12
1	Mn 257.610†	715985.3	702309.1	4.54655	mg/L	4.54655	mg/L	13:37:12
1	Mo 202.031†	244.7	158.8	0.0204530	mg/L	0.0204530	mg/L	13:37:32
1	Ni 231.604†	1446.8	980.9	0.0781008	mg/L	0.0781008	mg/L	13:37:32
1	Pb 220.353†	4490.1	4430.4	2.23622	mg/L	2.23622	mg/L	13:37:32
1	Sb 217.584†	-653.7	-588.4	-0.123488	mg/L	-0.123488	mg/L	13:37:32
1	Se 196.026†	4.9	45.0	0.212695	mg/L	0.212695	mg/L	13:37:32
1	Si 251.611†	68067.6	66056.3	5.98380	mg/L	5.98380	mg/L	13:37:12
1	Sn 189.927†	69.3	52.8	0.0510849	mg/L	0.0510849	mg/L	13:37:32
1	Tl 190.801†	-67.9	-28.9	-0.0175508	mg/L	-0.0175508	mg/L	13:37:32
1	V 292.395†	5749.9	6956.2	0.137001	mg/L	0.137001	mg/L	13:37:12
1	Zn 206.200†	12303.7	12137.2	1.14984	mg/L	1.14984	mg/L	13:37:12
2	Y 360.076	158990.8	158990.8	103.591	%			13:37:05
2	Al 396.153†	165473.3	159541.3	50.8692	mg/L	50.8692	mg/L	13:37:00
2	Ba 455.398†	477740.2	461180.8	1.58468	mg/L	1.58468	mg/L	13:37:00
2	Ca 315.887†	189182.0	182492.2	114.335	mg/L	114.335	mg/L	13:37:00

2	Fe 238.204†	284997.6	275084.8	107.782 mg/L	107.782 mg/L	13:37:00
2	K 766.490	1981.7	2001.5	2.99553 mg/L	2.99553 mg/L	13:37:05
2	Li 670.784†	2009.5	1960.9	0.0612888 mg/L	0.0612888 mg/L	13:37:05
2	Mg 279.071†	14128.2	13624.1	28.0401 mg/L	28.0401 mg/L	13:37:05
2	Na 589.592†	5835.2	4857.3	0.749554 mg/L	0.749554 mg/L	13:37:05
2	Sr 407.771†	137442.1	132022.8	0.170411 mg/L	0.170411 mg/L	13:37:00
2	Ti 334.940†	21923.1	21169.0	1.37722 mg/L	1.37722 mg/L	13:37:05
2	Sc 357.234	231002.2	231002.2	101.109 %		13:37:37
2	Ag 328.068†	-4153.6	-4081.9	-0.0457514 mg/L	-0.0457514 mg/L	13:37:37
2	As 188.979†	39.3	58.9	0.0814641 mg/L	0.0814641 mg/L	13:37:57
2	B 249.677†	493.0	89.9	0.0107560 mg/L	0.0107560 mg/L	13:37:37
2	Be 234.861†	7470.3	8183.1	0.0025261 mg/L	0.0025261 mg/L	13:37:37
2	Cd 214.437†	759.1	551.4	-0.0040924 mg/L	-0.0040924 mg/L	13:37:57
2	Ce 413.764†	5598.9	5214.5	0.133257 mg/L	0.133257 mg/L	13:37:37
2	Co 228.616†	301.3	371.5	0.0488193 mg/L	0.0488193 mg/L	13:37:57
2	Cr 205.557†	4974.6	4943.3	0.427273 mg/L	0.427273 mg/L	13:37:57
2	Cu 327.397†	9314.5	8957.5	0.275230 mg/L	0.275230 mg/L	13:37:37
2	Mn 257.610†	709710.8	701748.1	4.54299 mg/L	4.54299 mg/L	13:37:37
2	Mo 202.031†	235.9	152.1	0.0196268 mg/L	0.0196268 mg/L	13:37:57
2	Ni 231.604†	1431.7	977.5	0.0778229 mg/L	0.0778229 mg/L	13:37:57
2	Pb 220.353†	4479.3	4455.1	2.24865 mg/L	2.24865 mg/L	13:37:57
2	Sb 217.584†	-652.0	-591.9	-0.121020 mg/L	-0.121020 mg/L	13:37:57
2	Se 196.026†	-2.4	37.9	0.199716 mg/L	0.199716 mg/L	13:37:57
2	Si 251.611†	67536.3	66067.4	5.98524 mg/L	5.98524 mg/L	13:37:37
2	Sn 189.927†	70.1	54.2	0.0520598 mg/L	0.0520598 mg/L	13:37:57
2	Tl 190.801†	-58.0	-19.7	-0.0068026 mg/L	-0.0068026 mg/L	13:37:57
2	V 292.395†	5584.0	6837.4	0.134009 mg/L	0.134009 mg/L	13:37:37
2	Zn 206.200†	12243.4	12174.5	1.15329 mg/L	1.15329 mg/L	13:37:37

Mean Data: 1001286-16

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	231930.3	101.515	%	0.5745				0.57%
Y 360.076	159477.4	103.908	%	0.4484				0.43%
Ag 328.068†	-4042.9	-0.0452670	mg/L	0.00068493	-0.0452670	mg/L	0.00068493	1.51%
Al 396.153†	158470.3	50.5275	mg/L	0.48313	50.5275	mg/L	0.48313	0.96%
As 188.979†	57.3	0.0788648	mg/L	0.00367593	0.0788648	mg/L	0.00367593	4.66%
B 249.677†	93.8	0.0108652	mg/L	0.00015443	0.0108652	mg/L	0.00015443	1.42%
Ba 455.398†	458273.2	1.57469	mg/L	0.014119	1.57469	mg/L	0.014119	0.90%
Be 234.861†	8200.5	0.0028956	mg/L	0.00052253	0.0028956	mg/L	0.00052253	18.05%
Ca 315.887†	181128.8	113.481	mg/L	1.2081	113.481	mg/L	1.2081	1.06%
Cd 214.437†	539.9	-0.0043252	mg/L	0.00032922	-0.0043252	mg/L	0.00032922	7.61%
Ce 413.764†	5198.1	0.132839	mg/L	0.0005914	0.132839	mg/L	0.0005914	0.45%
Co 228.616†	374.0	0.0492192	mg/L	0.00056557	0.0492192	mg/L	0.00056557	1.15%
Cr 205.557†	4935.3	0.426537	mg/L	0.0010414	0.426537	mg/L	0.0010414	0.24%
Cu 327.397†	8960.2	0.275315	mg/L	0.0001197	0.275315	mg/L	0.0001197	0.04%
Fe 238.204†	272928.7	106.937	mg/L	1.1947	106.937	mg/L	1.1947	1.12%
K 766.490	1971.4	2.94984	mg/L	0.064614	2.94984	mg/L	0.064614	2.19%
Li 670.784†	1959.6	0.0612507	mg/L	0.00005376	0.0612507	mg/L	0.00005376	0.09%
Mg 279.071†	13602.5	27.9956	mg/L	0.06301	27.9956	mg/L	0.06301	0.23%
Mn 257.610†	702028.6	4.54477	mg/L	0.002521	4.54477	mg/L	0.002521	0.06%
Mo 202.031†	155.5	0.0200399	mg/L	0.00058425	0.0200399	mg/L	0.00058425	2.92%
Na 589.592†	4830.6	0.745455	mg/L	0.0057958	0.745455	mg/L	0.0057958	0.78%
Ni 231.604†	979.2	0.0779619	mg/L	0.00019649	0.0779619	mg/L	0.00019649	0.25%
Pb 220.353†	4442.7	2.24244	mg/L	0.008793	2.24244	mg/L	0.008793	0.39%
Sb 217.584†	-590.1	-0.122254	mg/L	0.0017454	-0.122254	mg/L	0.0017454	1.43%
Se 196.026†	41.5	0.206206	mg/L	0.0091776	0.206206	mg/L	0.0091776	4.45%
Si 251.611†	66061.9	5.98452	mg/L	0.001014	5.98452	mg/L	0.001014	0.02%
Sn 189.927†	53.5	0.0515723	mg/L	0.00068931	0.0515723	mg/L	0.00068931	1.34%
Sr 407.771†	131185.5	0.169336	mg/L	0.0015208	0.169336	mg/L	0.0015208	0.90%
Ti 334.940†	21167.6	1.37713	mg/L	0.000124	1.37713	mg/L	0.000124	0.01%
Tl 190.801†	-24.3	-0.0121767	mg/L	0.00760014	-0.0121767	mg/L	0.00760014	62.42%
V 292.395†	6896.8	0.135505	mg/L	0.0021160	0.135505	mg/L	0.0021160	1.56%
Zn 206.200†	12155.8	1.15157	mg/L	0.002441	1.15157	mg/L	0.002441	0.21%

Sequence No.: 57
Sample ID: 0A27004-CCV
Analyst:
Initial Sample Wt:

Autosampler Location: 4
Date Collected: 1/27/2010 1:40:51 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Replicate Data: 0A27004-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	156181.6	156181.6	101.761	%			13:41:57
1	Al 396.153†	8374.4	8034.2	2.54084	mg/L	2.54084	mg/L	13:42:17
1	Ba 455.398†	148259.3	145696.8	0.501373	mg/L	0.501373	mg/L	13:41:57
1	Ca 315.887†	8449.4	8172.1	5.11199	mg/L	5.11199	mg/L	13:42:17
1	Fe 238.204†	1386.6	1330.4	0.520754	mg/L	0.520754	mg/L	13:42:17
1	K 766.490	3347.6	3367.4	5.06624	mg/L	5.06624	mg/L	13:42:17
1	Li 670.784†	16654.2	16387.0	0.501859	mg/L	0.501859	mg/L	13:42:17
1	Mg 279.071†	2524.9	2466.9	5.08017	mg/L	5.08017	mg/L	13:42:17
1	Na 589.592†	33943.5	32580.5	5.01638	mg/L	5.01638	mg/L	13:41:57
1	Sr 407.771†	396563.5	389046.3	0.500508	mg/L	0.500508	mg/L	13:41:57
1	Ti 334.940†	7907.9	7777.0	0.507389	mg/L	0.507389	mg/L	13:42:17
1	Sc 357.234	234092.3	234092.3	102.461	%			13:42:49
1	Ag 328.068†	32476.7	31722.8	0.494815	mg/L	0.494815	mg/L	13:42:49
1	As 188.979†	1612.8	1594.1	2.49000	mg/L	2.49000	mg/L	13:43:09
1	B 249.677†	9694.2	9063.6	0.483027	mg/L	0.483027	mg/L	13:42:49
1	Be 234.861†	9883.5	10440.8	0.0497130	mg/L	0.0497130	mg/L	13:43:09
1	Cd 214.437†	14580.3	14030.6	0.502251	mg/L	0.502251	mg/L	13:43:09
1	Ce 413.764†	365.4	33.7	0.0007680	mg/L	0.0007680	mg/L	13:42:49
1	Co 228.616†	3341.4	3334.7	0.502115	mg/L	0.502115	mg/L	13:43:09
1	Cr 205.557†	6006.4	5885.3	0.500609	mg/L	0.500609	mg/L	13:43:09
1	Cu 327.397†	16551.4	15899.0	0.489836	mg/L	0.489836	mg/L	13:42:49
1	Mn 257.610†	79829.3	77730.3	0.502623	mg/L	0.502623	mg/L	13:42:49
1	Mo 202.031†	4241.9	4058.8	0.499978	mg/L	0.499978	mg/L	13:43:09
1	Ni 231.604†	6851.2	6248.1	0.502599	mg/L	0.502599	mg/L	13:43:09
1	Pb 220.353†	986.4	987.6	0.499666	mg/L	0.499666	mg/L	13:43:09
1	Sb 217.584†	3323.8	3296.9	2.50060	mg/L	2.50060	mg/L	13:43:09
1	Se 196.026†	1196.6	1208.1	2.51477	mg/L	2.51477	mg/L	13:43:09
1	Si 251.611†	28402.6	26992.0	2.44154	mg/L	2.44154	mg/L	13:42:49
1	Sn 189.927†	5652.2	5501.3	2.44193	mg/L	2.44193	mg/L	13:43:09
1	Tl 190.801†	2163.9	2149.6	2.51282	mg/L	2.51282	mg/L	13:43:09
1	V 292.395†	21306.6	22109.4	0.502922	mg/L	0.502922	mg/L	13:42:49
1	Zn 206.200†	5371.8	5308.2	0.506006	mg/L	0.506006	mg/L	13:43:09
2	Y 360.076	157136.6	157136.6	102.383	%			13:42:23
2	Al 396.153†	8369.2	7979.2	2.52321	mg/L	2.52321	mg/L	13:42:43
2	Ba 455.398†	149540.4	146062.7	0.502630	mg/L	0.502630	mg/L	13:42:23
2	Ca 315.887†	8447.1	8119.4	5.07894	mg/L	5.07894	mg/L	13:42:43
2	Fe 238.204†	1374.1	1309.9	0.512721	mg/L	0.512721	mg/L	13:42:43
2	K 766.490	3354.7	3374.5	5.07708	mg/L	5.07708	mg/L	13:42:43
2	Li 670.784†	16628.7	16262.6	0.498059	mg/L	0.498059	mg/L	13:42:43
2	Mg 279.071†	2531.1	2457.9	5.06154	mg/L	5.06154	mg/L	13:42:43
2	Na 589.592†	34207.1	32635.2	5.02480	mg/L	5.02480	mg/L	13:42:23
2	Sr 407.771†	400184.4	390214.5	0.502008	mg/L	0.502008	mg/L	13:42:23
2	Ti 334.940†	7912.0	7733.8	0.504583	mg/L	0.504583	mg/L	13:42:43
2	Sc 357.234	233266.3	233266.3	102.100	%			13:43:14
2	Ag 328.068†	32663.9	32018.4	0.499407	mg/L	0.499407	mg/L	13:43:14
2	As 188.979†	1624.1	1610.7	2.51597	mg/L	2.51597	mg/L	13:43:34
2	B 249.677†	9809.8	9210.4	0.490960	mg/L	0.490960	mg/L	13:43:14
2	Be 234.861†	9914.3	10505.2	0.0500234	mg/L	0.0500234	mg/L	13:43:34
2	Cd 214.437†	14625.3	14125.1	0.505643	mg/L	0.505643	mg/L	13:43:34
2	Ce 413.764†	347.7	17.6	0.0003580	mg/L	0.0003580	mg/L	13:43:14
2	Co 228.616†	3343.1	3347.9	0.504114	mg/L	0.504114	mg/L	13:43:34
2	Cr 205.557†	6006.2	5906.0	0.502362	mg/L	0.502362	mg/L	13:43:34
2	Cu 327.397†	16649.2	16052.0	0.494578	mg/L	0.494578	mg/L	13:43:14
2	Mn 257.610†	80261.6	78429.7	0.507146	mg/L	0.507146	mg/L	13:43:14
2	Mo 202.031†	4260.4	4091.6	0.504017	mg/L	0.504017	mg/L	13:43:34
2	Ni 231.604†	6860.1	6280.4	0.505211	mg/L	0.505211	mg/L	13:43:34
2	Pb 220.353†	998.4	1002.8	0.507277	mg/L	0.507277	mg/L	13:43:34
2	Sb 217.584†	3325.9	3310.4	2.51077	mg/L	2.51077	mg/L	13:43:34
2	Se 196.026†	1205.2	1220.7	2.54109	mg/L	2.54109	mg/L	13:43:34
2	Si 251.611†	28496.3	27181.9	2.45881	mg/L	2.45881	mg/L	13:43:14
2	Sn 189.927†	5682.8	5550.7	2.46382	mg/L	2.46382	mg/L	13:43:34
2	Tl 190.801†	2166.7	2159.8	2.52468	mg/L	2.52468	mg/L	13:43:34
2	V 292.395†	21459.6	22333.0	0.507998	mg/L	0.507998	mg/L	13:43:14
2	Zn 206.200†	5380.6	5335.3	0.508602	mg/L	0.508602	mg/L	13:43:34

Mean Data: 0A27004-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	233679.3	102.280	%	0.2557				0.25%
Y 360.076	156659.1	102.072	%	0.4400				0.43%
Ag 328.068†	31870.6	0.497111	mg/L	0.0032468	0.497111	mg/L	0.0032468	0.65%
QC value within limits for Ag 328.068 Recovery = 99.42%								
Al 396.153†	8006.7	2.53202	mg/L	0.012470	2.53202	mg/L	0.012470	0.49%
QC value within limits for Al 396.153 Recovery = 101.28%								
As 188.979†	1602.4	2.50299	mg/L	0.018368	2.50299	mg/L	0.018368	0.73%
QC value within limits for As 188.979 Recovery = 100.12%								
B 249.677†	9137.0	0.486993	mg/L	0.0056092	0.486993	mg/L	0.0056092	1.15%
QC value within limits for B 249.677 Recovery = 97.40%								
Ba 455.398†	145879.8	0.502001	mg/L	0.0008884	0.502001	mg/L	0.0008884	0.18%
QC value within limits for Ba 455.398 Recovery = 100.40%								
Be 234.861†	10473.0	0.0498682	mg/L	0.00021946	0.0498682	mg/L	0.00021946	0.44%
QC value within limits for Be 234.861 Recovery = 99.74%								
Ca 315.887†	8145.8	5.09547	mg/L	0.023365	5.09547	mg/L	0.023365	0.46%
QC value within limits for Ca 315.887 Recovery = 101.91%								
Cd 214.437†	14077.9	0.503947	mg/L	0.0023980	0.503947	mg/L	0.0023980	0.48%
QC value within limits for Cd 214.437 Recovery = 100.79%								
Ce 413.764†	25.6	0.0005630	mg/L	0.00028993	0.0005630	mg/L	0.00028993	51.50%
Co 228.616†	3341.3	0.503115	mg/L	0.0014139	0.503115	mg/L	0.0014139	0.28%
QC value within limits for Co 228.616 Recovery = 100.62%								
Cr 205.557†	5895.7	0.501486	mg/L	0.0012396	0.501486	mg/L	0.0012396	0.25%
QC value within limits for Cr 205.557 Recovery = 100.30%								
Cu 327.397†	15975.5	0.492207	mg/L	0.0033533	0.492207	mg/L	0.0033533	0.68%
QC value within limits for Cu 327.397 Recovery = 98.44%								
Fe 238.204†	1320.1	0.516738	mg/L	0.0056797	0.516738	mg/L	0.0056797	1.10%
QC value within limits for Fe 238.204 Recovery = 103.35%								
K 766.490	3370.9	5.07166	mg/L	0.007665	5.07166	mg/L	0.007665	0.15%
QC value within limits for K 766.490 Recovery = 101.43%								
Li 670.784†	16324.8	0.499959	mg/L	0.0026868	0.499959	mg/L	0.0026868	0.54%
QC value within limits for Li 670.784 Recovery = 99.99%								
Mg 279.071†	2462.4	5.07086	mg/L	0.013176	5.07086	mg/L	0.013176	0.26%
QC value within limits for Mg 279.071 Recovery = 101.42%								
Mn 257.610†	78080.0	0.504884	mg/L	0.0031984	0.504884	mg/L	0.0031984	0.63%
QC value within limits for Mn 257.610 Recovery = 100.98%								
Mo 202.031†	4075.2	0.501998	mg/L	0.0028563	0.501998	mg/L	0.0028563	0.57%
QC value within limits for Mo 202.031 Recovery = 100.40%								
Na 589.592†	32607.8	5.02059	mg/L	0.005952	5.02059	mg/L	0.005952	0.12%
QC value within limits for Na 589.592 Recovery = 100.41%								
Ni 231.604†	6264.2	0.503905	mg/L	0.0018472	0.503905	mg/L	0.0018472	0.37%
QC value within limits for Ni 231.604 Recovery = 100.78%								
Pb 220.353†	995.2	0.503471	mg/L	0.0053818	0.503471	mg/L	0.0053818	1.07%
QC value within limits for Pb 220.353 Recovery = 100.69%								
Sb 217.584†	3303.7	2.50568	mg/L	0.007191	2.50568	mg/L	0.007191	0.29%
QC value within limits for Sb 217.584 Recovery = 100.23%								
Se 196.026†	1214.4	2.52793	mg/L	0.018613	2.52793	mg/L	0.018613	0.74%
QC value within limits for Se 196.026 Recovery = 101.12%								
Si 251.611†	27087.0	2.45017	mg/L	0.012214	2.45017	mg/L	0.012214	0.50%
QC value within limits for Si 251.611 Recovery = 98.01%								
Sn 189.927†	5526.0	2.45288	mg/L	0.015485	2.45288	mg/L	0.015485	0.63%
QC value within limits for Sn 189.927 Recovery = 98.12%								
Sr 407.771†	389630.4	0.501258	mg/L	0.0010609	0.501258	mg/L	0.0010609	0.21%
QC value within limits for Sr 407.771 Recovery = 100.25%								
Ti 334.940†	7755.4	0.505986	mg/L	0.0019844	0.505986	mg/L	0.0019844	0.39%
QC value within limits for Ti 334.940 Recovery = 101.20%								
Tl 190.801†	2154.7	2.51875	mg/L	0.008391	2.51875	mg/L	0.008391	0.33%
QC value within limits for Tl 190.801 Recovery = 100.75%								
V 292.395†	22221.2	0.505460	mg/L	0.0035889	0.505460	mg/L	0.0035889	0.71%
QC value within limits for V 292.395 Recovery = 101.09%								
Zn 206.200†	5321.8	0.507304	mg/L	0.0018358	0.507304	mg/L	0.0018358	0.36%
QC value within limits for Zn 206.200 Recovery = 101.46%								

All analyte(s) passed QC.

Sequence No.: 58
Sample ID: 0A27004-CCB
Analyst:

Autosampler Location: 1
Date Collected: 1/27/2010 1:44:47 PM
Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: 0A27004-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	157808.1	157808.1	102.821	%			13:45:53
1	Al 396.153†	197.5	-3.1	-0.0130326	mg/L	-0.0130326	mg/L	13:45:53
1	Ba 455.398†	3.1	6.2	0.0011042	mg/L	0.0011042	mg/L	13:45:53
1	Ca 315.887†	135.3	0.5	-0.0080851	mg/L	-0.0080851	mg/L	13:46:13
1	Fe 238.204†	50.6	17.0	0.0067944	mg/L	0.0067944	mg/L	13:46:13
1	K 766.490	24.9	44.7	0.0288283	mg/L	0.0288283	mg/L	13:45:53
1	Li 670.784†	-29.7	-7.8	0.0011660	mg/L	0.0011660	mg/L	13:45:53
1	Mg 279.071†	17.9	3.1	0.0099850	mg/L	0.0099850	mg/L	13:46:13
1	Na 589.592†	754.9	-41.4	-0.0043984	mg/L	-0.0043984	mg/L	13:45:53
1	Sr 407.771†	799.4	123.0	0.0010115	mg/L	0.0010115	mg/L	13:45:53
1	Ti 334.940†	10.3	16.0	0.0033043	mg/L	0.0033043	mg/L	13:46:13
1	Sc 357.234	234255.5	234255.5	102.532	%			13:46:44
1	Ag 328.068†	67.3	91.8	0.0030782	mg/L	0.0030782	mg/L	13:46:44
1	As 188.979†	-17.6	2.9	0.0045736	mg/L	0.0045736	mg/L	13:47:04
1	B 249.677†	410.1	2.3	-0.0055315	mg/L	-0.0055315	mg/L	13:47:04
1	Be 234.861†	-788.2	26.0	0.0001201	mg/L	0.0001201	mg/L	13:47:04
1	Cd 214.437†	203.7	-0.8	-0.0007721	mg/L	-0.0007721	mg/L	13:47:04
1	Ce 413.764†	420.0	86.6	0.0022217	mg/L	0.0022217	mg/L	13:46:44
1	Co 228.616†	-73.7	1.7	-0.0002856	mg/L	-0.0002856	mg/L	13:47:04
1	Cr 205.557†	-27.3	-3.4	-0.0004705	mg/L	-0.0004705	mg/L	13:47:04
1	Cu 327.397†	269.3	7.7	-0.0029937	mg/L	-0.0029937	mg/L	13:46:44
1	Mn 257.610†	253.0	65.2	0.0002424	mg/L	0.0002424	mg/L	13:47:04
1	Mo 202.031†	83.8	0.6	0.0009919	mg/L	0.0009919	mg/L	13:47:04
1	Ni 231.604†	433.4	-15.9	-0.0021354	mg/L	-0.0021354	mg/L	13:47:04
1	Pb 220.353†	-24.8	0.7	0.0030847	mg/L	0.0030847	mg/L	13:47:04
1	Sb 217.584†	-46.5	7.6	0.0086062	mg/L	0.0086062	mg/L	13:47:04
1	Se 196.026†	-35.8	5.3	0.0043975	mg/L	0.0043975	mg/L	13:47:04
1	Si 251.611†	279.0	-456.3	-0.0313494	mg/L	-0.0313494	mg/L	13:47:04
1	Sn 189.927†	23.4	7.6	0.0064760	mg/L	0.0064760	mg/L	13:47:04
1	Tl 190.801†	-35.8	2.7	0.0054166	mg/L	0.0054166	mg/L	13:47:04
1	V 292.395†	-1250.1	95.4	0.0028555	mg/L	0.0028555	mg/L	13:47:04
1	Zn 206.200†	-59.7	7.2	0.0000077	mg/L	0.0000077	mg/L	13:47:04
2	Y 360.076	156844.5	156844.5	102.193	%			13:46:18
2	Al 396.153†	208.7	9.0	-0.0091881	mg/L	-0.0091881	mg/L	13:46:18
2	Ba 455.398†	9.3	12.4	0.0011253	mg/L	0.0011253	mg/L	13:46:18
2	Ca 315.887†	134.7	0.8	-0.0079069	mg/L	-0.0079069	mg/L	13:46:38
2	Fe 238.204†	45.2	12.0	0.0048553	mg/L	0.0048553	mg/L	13:46:38
2	K 766.490	12.8	32.6	0.0104403	mg/L	0.0104403	mg/L	13:46:18
2	Li 670.784†	-38.4	-16.5	0.0009003	mg/L	0.0009003	mg/L	13:46:18
2	Mg 279.071†	10.9	-3.6	-0.0037967	mg/L	-0.0037967	mg/L	13:46:38
2	Na 589.592†	816.0	22.8	0.0054948	mg/L	0.0054948	mg/L	13:46:18
2	Sr 407.771†	784.3	113.1	0.0009986	mg/L	0.0009986	mg/L	13:46:18
2	Ti 334.940†	5.3	11.1	0.0029871	mg/L	0.0029871	mg/L	13:46:38
2	Sc 357.234	227517.1	227517.1	99.5831	%			13:47:09
2	Ag 328.068†	-78.4	-52.6	0.0008275	mg/L	0.0008275	mg/L	13:47:09
2	As 188.979†	-32.3	-12.4	-0.0192695	mg/L	-0.0192695	mg/L	13:47:29
2	B 249.677†	396.8	0.7	-0.0056148	mg/L	-0.0056148	mg/L	13:47:29
2	Be 234.861†	-779.8	11.6	0.0000521	mg/L	0.0000521	mg/L	13:47:29
2	Cd 214.437†	182.7	-15.9	-0.0013189	mg/L	-0.0013189	mg/L	13:47:29
2	Ce 413.764†	359.6	38.1	0.0009755	mg/L	0.0009755	mg/L	13:47:09
2	Co 228.616†	-69.6	3.7	0.0000148	mg/L	0.0000148	mg/L	13:47:29
2	Cr 205.557†	-18.7	4.5	0.0001957	mg/L	0.0001957	mg/L	13:47:29
2	Cu 327.397†	235.5	-18.4	-0.0038050	mg/L	-0.0038050	mg/L	13:47:09
2	Mn 257.610†	239.9	59.4	0.0002044	mg/L	0.0002044	mg/L	13:47:29
2	Mo 202.031†	82.6	1.7	0.0011348	mg/L	0.0011348	mg/L	13:47:29
2	Ni 231.604†	444.4	7.7	-0.0002327	mg/L	-0.0002327	mg/L	13:47:29
2	Pb 220.353†	-28.9	-4.1	0.0006672	mg/L	0.0006672	mg/L	13:47:29
2	Sb 217.584†	-50.2	2.6	0.0047857	mg/L	0.0047857	mg/L	13:47:29
2	Se 196.026†	-44.9	-4.9	-0.0168550	mg/L	-0.0168550	mg/L	13:47:29
2	Si 251.611†	293.6	-433.5	-0.0292800	mg/L	-0.0292800	mg/L	13:47:29
2	Sn 189.927†	15.5	0.4	0.0032806	mg/L	0.0032806	mg/L	13:47:29
2	Tl 190.801†	-39.6	-2.2	-0.0002582	mg/L	-0.0002582	mg/L	13:47:29
2	V 292.395†	-1242.8	66.6	0.0022095	mg/L	0.0022095	mg/L	13:47:29
2	Zn 206.200†	-59.6	5.5	-0.0001533	mg/L	-0.0001533	mg/L	13:47:29

Mean Data: 0A27004-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	230886.3	101.058	%	2.0855				2.06%
Y 360.076	157326.3	102.507	%	0.4439				0.43%
Ag 328.068†	19.6	0.0019528	mg/L	0.00159150	0.0019528	mg/L	0.00159150	81.50%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	2.9	-0.0111104	mg/L	0.00271846	-0.0111104	mg/L	0.00271846	24.47%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-4.7	-0.0073480	mg/L	0.01685960	-0.0073480	mg/L	0.01685960	229.45%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	1.5	-0.0055731	mg/L	0.00005887	-0.0055731	mg/L	0.00005887	1.06%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	9.3	0.0011148	mg/L	0.00001493	0.0011148	mg/L	0.00001493	1.34%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	18.8	0.0000861	mg/L	0.00004808	0.0000861	mg/L	0.00004808	55.83%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	0.6	-0.0079960	mg/L	0.00012597	-0.0079960	mg/L	0.00012597	1.58%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-8.3	-0.0010455	mg/L	0.00038662	-0.0010455	mg/L	0.00038662	36.98%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	62.4	0.0015986	mg/L	0.00088119	0.0015986	mg/L	0.00088119	55.12%
Co 228.616†	2.7	-0.0001354	mg/L	0.00021245	-0.0001354	mg/L	0.00021245	156.92%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	0.6	-0.0001374	mg/L	0.00047107	-0.0001374	mg/L	0.00047107	342.86%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	-5.3	-0.0033993	mg/L	0.00057364	-0.0033993	mg/L	0.00057364	16.88%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	14.5	0.0058249	mg/L	0.00137118	0.0058249	mg/L	0.00137118	23.54%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	38.7	0.0196343	mg/L	0.01300230	0.0196343	mg/L	0.01300230	66.22%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	-12.2	0.0010331	mg/L	0.00018787	0.0010331	mg/L	0.00018787	18.18%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-0.2	0.0030942	mg/L	0.00974511	0.0030942	mg/L	0.00974511	314.95%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	62.3	0.0002234	mg/L	0.00002690	0.0002234	mg/L	0.00002690	12.04%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	1.1	0.0010634	mg/L	0.00010105	0.0010634	mg/L	0.00010105	9.50%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-9.3	0.0005482	mg/L	0.00699555	0.0005482	mg/L	0.00699555	>999.9%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-4.1	-0.0011840	mg/L	0.00134544	-0.0011840	mg/L	0.00134544	113.63%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.7	0.0018760	mg/L	0.00170944	0.0018760	mg/L	0.00170944	91.12%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	5.1	0.0066960	mg/L	0.00270150	0.0066960	mg/L	0.00270150	40.35%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	0.2	-0.0062288	mg/L	0.01502784	-0.0062288	mg/L	0.01502784	241.27%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	-444.9	-0.0303147	mg/L	0.00146325	-0.0303147	mg/L	0.00146325	4.83%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	4.0	0.0048783	mg/L	0.00225943	0.0048783	mg/L	0.00225943	46.32%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	118.0	0.0010051	mg/L	0.00000907	0.0010051	mg/L	0.00000907	0.90%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	13.5	0.0031457	mg/L	0.00022429	0.0031457	mg/L	0.00022429	7.13%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.3	0.0025792	mg/L	0.00401269	0.0025792	mg/L	0.00401269	155.58%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	81.0	0.0025325	mg/L	0.00045675	0.0025325	mg/L	0.00045675	18.04%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	6.3	-0.0000728	mg/L	0.00011385	-0.0000728	mg/L	0.00011385	156.31%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Analytical Sequence
Method: Solid_6010C_311

Seq.	Loc.	ID	Status
1	1	CAL1	Applied
2	2	CAL2	Applied
3	3	CAL3	Applied
4	4	CAL4	Applied
5	5	CAL5	Applied
6	9	0A27004-SCV	QC Failed
7	1	0A27004-CCB	QC Passed
8	10	0A27004-CRL1	QC Passed
9	11	0A27004-IFA1	QC Passed
10	12	0A27004-IFA2	QC Passed
11	13	0A27004-IFB1	QC Passed
12	14	0A27004-IFB2	QC Passed
13	4	0A27004-CCV	QC Passed
14	1	0A27004-CCB	QC Passed
15	17	1000576-blk1	Analyzed
16	18	1000576-bs1	Analyzed
17	19	1001254-03	Analyzed
18	20	1001254-04	Analyzed
19	21	1001254-05	Analyzed
20	22	1001254-06	Analyzed
21	23	1001254-07	Analyzed
22	24	1001254-08	Analyzed
23	25	1001254-09	Analyzed
24	26	1000576-ms1	Analyzed
25	4	0A27004-CCV	QC Passed
26	1	0A27004-CCB	QC Passed
27	27	1000576-msd1	Analyzed
28	28	0A27004-srd1	Analyzed
29	29	1000576-ps1	Analyzed
30	30	1001254-10	Analyzed
31	31	1000596-blk1	Analyzed
32	32	1000596-bs1	Analyzed
33	33	1001286-01	Analyzed
34	34	1001286-02	Analyzed
35	35	1001286-03	Analyzed
36	36	1001286-04	Analyzed
37	4	0A27004-CCV	QC Passed
38	1	0A27004-CCB	QC Passed
39	37	1001286-05	Analyzed
40	38	1001286-06	Analyzed
41	39	1001286-07	Analyzed
42	40	1000596-ms1	Analyzed
43	41	1000596-msd1	Analyzed
44	42	0A27004-srd2	Analyzed
45	43	1000596-ps1	Analyzed
46	44	1001286-08	Analyzed
47	45	1001286-09	Analyzed
48	46	1001286-10	Analyzed
49	4	0A27004-CCV	QC Passed
50	1	0A27004-CCB	QC Passed
51	47	1001286-11	Analyzed
52	48	1001286-12	Analyzed
53	49	1001286-13	Analyzed
54	50	1001286-14	Analyzed
55	51	1001286-15	Analyzed
56	52	1001286-16	Analyzed
57	4	0A27004-CCV	QC Passed
58	1	0A27004-CCB	QC Passed

==========

Analysis Begun

Start Time: 1/27/2010 1:52:39 PM **Plasma On Time: 1/27/2010 6:37:31 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\0A27004.sif
Batch ID:
Results Data Set: 0A27004
Results Library: C:\pe\analystME\Results\Results.mdb

==========

Sequence No.: 1 **Autosampler Location: 9**
Sample ID: 0A27004-SCV **Date Collected: 1/27/2010 1:52:40 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
User canceled analysis.

==========

Analysis Begun

Start Time: 1/27/2010 1:53:04 PM **Plasma On Time: 1/27/2010 6:37:31 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\0A27004.sif
Batch ID:
Results Data Set: 0A27004
Results Library: C:\pe\analystME\Results\Results.mdb

==========

Sequence No.: 10 **Autosampler Location: 53**
Sample ID: 1001254-09 **Date Collected: 1/27/2010 1:53:04 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 50X **Sample Prep Vol:**

Replicate Data: 1001254-09

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	156190.3	156190.3	101.767	%			13:54:10
1	Al 396.153†	2597.7	2357.4	0.739449	mg/L	36.9724	mg/L	13:54:10
1	Ba 455.398†	5697.5	5601.8	0.0203182	mg/L	1.01591	mg/L	13:54:10
1	Ca 315.887†	420.0	281.7	0.168090	mg/L	8.40449	mg/L	13:54:30
1	Fe 238.204†	2122.8	2053.7	0.804820	mg/L	40.2410	mg/L	13:54:30
1	K 766.490	43.8	63.6	0.0573716	mg/L	2.86858	mg/L	13:54:10
1	Li 670.784†	17.2	37.9	0.0025626	mg/L	0.128129	mg/L	13:54:10
1	Mg 279.071†	90.0	74.2	0.156150	mg/L	7.80752	mg/L	13:54:30
1	Na 589.592†	770.5	-18.5	-0.0008703	mg/L	-0.0435131	mg/L	13:54:10
1	Sr 407.771†	1688.0	1004.3	0.0021432	mg/L	0.107162	mg/L	13:54:10
1	Ti 334.940†	564.2	560.4	0.0386652	mg/L	1.93326	mg/L	13:54:30
1	Sc 357.234	228397.0	228397.0	99.9683	%			13:55:01
1	Ag 328.068†	-24.3	1.9	0.0017971	mg/L	0.0898534	mg/L	13:55:01
1	As 188.979†	-14.6	5.4	0.0082402	mg/L	0.412010	mg/L	13:55:21
1	B 249.677†	346.5	-51.1	-0.0083513	mg/L	-0.417567	mg/L	13:55:21
1	Be 234.861†	-732.6	61.9	0.0000183	mg/L	0.0009147	mg/L	13:55:01
1	Cd 214.437†	203.3	3.9	-0.0007980	mg/L	-0.0399006	mg/L	13:55:21
1	Ce 413.764†	493.7	170.8	0.0043671	mg/L	0.218356	mg/L	13:55:01
1	Co 228.616†	-66.9	6.6	0.0003444	mg/L	0.0172220	mg/L	13:55:21
1	Cr 205.557†	3.0	26.3	0.0020998	mg/L	0.104990	mg/L	13:55:21
1	Cu 327.397†	254.6	-0.1	-0.0032170	mg/L	-0.160848	mg/L	13:55:01
1	Mn 257.610†	2455.6	2274.9	0.0145650	mg/L	0.728250	mg/L	13:55:01
1	Mo 202.031†	76.9	-4.3	0.0003944	mg/L	0.0197209	mg/L	13:55:21
1	Ni 231.604†	455.5	17.0	0.0005152	mg/L	0.0257576	mg/L	13:55:21
1	Pb 220.353†	-16.3	8.6	0.0070972	mg/L	0.354859	mg/L	13:55:21
1	Sb 217.584†	-61.6	-8.6	-0.0012728	mg/L	-0.0636421	mg/L	13:55:21
1	Se 196.026†	-40.9	-0.7	-0.0071341	mg/L	-0.356703	mg/L	13:55:21

1	Si 251.611†	1743.2	1015.4	0.101217 mg/L	5.06085 mg/L	13:55:21
1	Sn 189.927†	15.2	0.0	0.0031402 mg/L	0.157008 mg/L	13:55:21
1	Tl 190.801†	-43.5	-5.9	-0.0041986 mg/L	-0.209929 mg/L	13:55:21
1	V 292.395†	-1210.0	104.3	0.0028789 mg/L	0.143943 mg/L	13:55:01
1	Zn 206.200†	-32.5	32.8	0.0023860 mg/L	0.119299 mg/L	13:55:21
2	Y 360.076	155813.5	155813.5	101.521 %		13:54:35
2	Al 396.153†	2589.2	2355.2	0.738731 mg/L	36.9365 mg/L	13:54:35
2	Ba 455.398†	5693.6	5611.5	0.0203514 mg/L	1.01757 mg/L	13:54:35
2	Ca 315.887†	418.8	281.4	0.167942 mg/L	8.39709 mg/L	13:54:55
2	Fe 238.204†	2136.8	2072.6	0.812224 mg/L	40.6112 mg/L	13:54:55
2	K 766.490	35.3	55.1	0.0445464 mg/L	2.22732 mg/L	13:54:35
2	Li 670.784†	-0.7	20.3	0.0020253 mg/L	0.101264 mg/L	13:54:35
2	Mg 279.071†	92.4	76.7	0.161424 mg/L	8.07120 mg/L	13:54:55
2	Na 589.592†	828.4	40.3	0.0081851 mg/L	0.409255 mg/L	13:54:35
2	Sr 407.771†	1676.3	996.8	0.0021336 mg/L	0.106680 mg/L	13:54:35
2	Ti 334.940†	555.0	552.6	0.0381606 mg/L	1.90803 mg/L	13:54:55
2	Sc 357.234	230028.6	230028.6	100.682 %		13:55:26
2	Ag 328.068†	36.5	62.4	0.0027332 mg/L	0.136660 mg/L	13:55:26
2	As 188.979†	-25.0	-4.8	-0.0076342 mg/L	-0.381711 mg/L	13:55:46
2	B 249.677†	366.2	-34.0	-0.0074215 mg/L	-0.371073 mg/L	13:55:46
2	Be 234.861†	-734.0	65.7	0.0000340 mg/L	0.0017005 mg/L	13:55:26
2	Cd 214.437†	212.9	12.1	-0.0005070 mg/L	-0.0253492 mg/L	13:55:46
2	Ce 413.764†	452.4	126.3	0.0032272 mg/L	0.161359 mg/L	13:55:26
2	Co 228.616†	-71.7	2.4	-0.0002948 mg/L	-0.0147418 mg/L	13:55:46
2	Cr 205.557†	1.1	24.3	0.0019307 mg/L	0.0965368 mg/L	13:55:46
2	Cu 327.397†	287.4	30.6	-0.0022635 mg/L	-0.113173 mg/L	13:55:26
2	Mn 257.610†	2479.8	2281.5	0.0146078 mg/L	0.730389 mg/L	13:55:26
2	Mo 202.031†	86.1	4.3	0.0014566 mg/L	0.0728298 mg/L	13:55:46
2	Ni 231.604†	448.4	6.8	-0.0003042 mg/L	-0.0152101 mg/L	13:55:46
2	Pb 220.353†	-26.7	-1.6	0.0019548 mg/L	0.0977403 mg/L	13:55:46
2	Sb 217.584†	-54.8	-1.5	0.0041236 mg/L	0.206179 mg/L	13:55:46
2	Se 196.026†	-39.9	0.5	-0.0045531 mg/L	-0.227655 mg/L	13:55:46
2	Si 251.611†	1735.0	994.8	0.0993727 mg/L	4.96864 mg/L	13:55:46
2	Sn 189.927†	13.2	-2.0	0.0022381 mg/L	0.111904 mg/L	13:55:46
2	Tl 190.801†	-41.1	-3.2	-0.0010703 mg/L	-0.0535141 mg/L	13:55:46
2	V 292.395†	-1120.6	201.6	0.0050789 mg/L	0.253945 mg/L	13:55:26
2	Zn 206.200†	-44.1	21.6	0.0013125 mg/L	0.0656251 mg/L	13:55:46

Mean Data: 1001254-09

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	229212.8	100.325	%	0.5050				0.50%
Y 360.076	156001.9	101.644	%	0.1736				0.17%
Ag 328.068†	32.1	0.0022651	mg/L	0.00066195	0.113257	mg/L	0.0330974	29.22%
Al 396.153†	2356.3	0.739090	mg/L	0.0005079	36.9545	mg/L	0.02540	0.07%
As 188.979†	0.3	0.0003030	mg/L	0.01122491	0.0151492	mg/L	0.56124529	>999.9%
B 249.677†	-42.5	-0.0078864	mg/L	0.00065753	-0.394320	mg/L	0.0328763	8.34%
Ba 455.398†	5606.7	0.0203348	mg/L	0.00002348	1.01674	mg/L	0.001174	0.12%
Be 234.861†	63.8	0.0000262	mg/L	0.00001111	0.0013076	mg/L	0.00055567	42.49%
Ca 315.887†	281.6	0.168016	mg/L	0.0001047	8.40079	mg/L	0.005235	0.06%
Cd 214.437†	8.0	-0.0006525	mg/L	0.00020579	-0.0326249	mg/L	0.01028942	31.54%
Ce 413.764†	148.6	0.0037972	mg/L	0.00080606	0.189858	mg/L	0.0403032	21.23%
Co 228.616†	4.5	0.0000248	mg/L	0.00045204	0.0012401	mg/L	0.02260182	>999.9%
Cr 205.557†	25.3	0.0020153	mg/L	0.00011955	0.100763	mg/L	0.0059773	5.93%
Cu 327.397†	15.2	-0.0027402	mg/L	0.00067422	-0.137011	mg/L	0.0337108	24.60%
Fe 238.204†	2063.1	0.808522	mg/L	0.0052359	40.4261	mg/L	0.26180	0.65%
K 766.490	59.3	0.0509590	mg/L	0.00906880	2.54795	mg/L	0.453440	17.80%
Li 670.784†	29.1	0.0022939	mg/L	0.00037993	0.114696	mg/L	0.0189966	16.56%
Mg 279.071†	75.4	0.158787	mg/L	0.0037290	7.93936	mg/L	0.186449	2.35%
Mn 257.610†	2278.2	0.0145864	mg/L	0.00003025	0.729320	mg/L	0.0015124	0.21%
Mo 202.031†	0.0	0.0009255	mg/L	0.00075107	0.0462754	mg/L	0.03755366	81.15%
Na 589.592†	10.9	0.0036574	mg/L	0.00640311	0.182871	mg/L	0.3201554	175.07%
Ni 231.604†	11.9	0.0001055	mg/L	0.00057937	0.0052738	mg/L	0.02896857	549.29%
Pb 220.353†	3.5	0.0045260	mg/L	0.00363621	0.226300	mg/L	0.1818105	80.34%
Sb 217.584†	-5.1	0.0014254	mg/L	0.00381585	0.0712685	mg/L	0.19079243	267.71%
Se 196.026†	-0.1	-0.0058436	mg/L	0.00182501	-0.292179	mg/L	0.0912506	31.23%
Si 251.611†	1005.1	0.100295	mg/L	0.0013041	5.01474	mg/L	0.065205	1.30%
Sn 189.927†	-1.0	0.0026891	mg/L	0.00063786	0.134456	mg/L	0.0318929	23.72%
Sr 407.771†	1000.5	0.0021384	mg/L	0.00000682	0.106921	mg/L	0.0003410	0.32%
Ti 334.940†	556.5	0.0384129	mg/L	0.00035683	1.92064	mg/L	0.017842	0.93%

Tl 190.801†	-4.5	-0.0026344 mg/L	0.00221204	-0.131722 mg/L	0.1106022	83.97%
V 292.395†	152.9	0.0039789 mg/L	0.00155566	0.198944 mg/L	0.0777829	39.10%
Zn 206.200†	27.2	0.0018492 mg/L	0.00075906	0.0924620 mg/L	0.03795306	41.05%

Sequence No.: 11
Sample ID: 0A27004-srd3
Analyst:
Initial Sample Wt:
Dilution: 250X

Autosampler Location: 54
Date Collected: 1/27/2010 1:57:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A27004-srd3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	156478.7	156478.7	101.955	%			13:58:07
1	Al 396.153†	652.0	444.3	0.129608	mg/L	32.4020	mg/L	13:58:27
1	Ba 455.398†	1155.4	1136.5	0.0049853	mg/L	1.24632	mg/L	13:58:07
1	Ca 315.887†	185.5	50.9	0.0235003	mg/L	5.87509	mg/L	13:58:27
1	Fe 238.204†	455.8	414.8	0.162674	mg/L	40.6686	mg/L	13:58:27
1	K 766.490	-22.9	-3.1	-0.0436392	mg/L	-10.9098	mg/L	13:58:07
1	Li 670.784†	-21.8	-0.3	0.0013944	mg/L	0.348592	mg/L	13:58:07
1	Mg 279.071†	19.2	4.6	0.0129712	mg/L	3.24281	mg/L	13:58:27
1	Na 589.592†	803.8	12.7	0.0039328	mg/L	0.983204	mg/L	13:58:07
1	Sr 407.771†	895.9	224.3	0.0011416	mg/L	0.285390	mg/L	13:58:07
1	Ti 334.940†	106.2	110.1	0.0094173	mg/L	2.35433	mg/L	13:58:27
1	Sc 357.234	231690.3	231690.3	101.410	%			13:58:59
1	Ag 328.068†	84.5	109.5	0.0033740	mg/L	0.843499	mg/L	13:58:59
1	As 188.979†	-16.9	3.4	0.0053189	mg/L	1.32973	mg/L	13:59:19
1	B 249.677†	339.9	-62.5	-0.0090197	mg/L	-2.25492	mg/L	13:59:19
1	Be 234.861†	-763.1	42.2	0.0001446	mg/L	0.0361435	mg/L	13:59:19
1	Cd 214.437†	203.4	1.2	-0.0007400	mg/L	-0.185004	mg/L	13:59:19
1	Ce 413.764†	414.1	85.3	0.0021855	mg/L	0.546380	mg/L	13:58:59
1	Co 228.616†	-69.2	5.3	0.0002401	mg/L	0.0600196	mg/L	13:59:19
1	Cr 205.557†	-16.2	7.3	0.0004462	mg/L	0.111551	mg/L	13:59:19
1	Cu 327.397†	227.2	-30.9	-0.0041863	mg/L	-1.04657	mg/L	13:58:59
1	Mn 257.610†	416.4	229.1	0.0013081	mg/L	0.327024	mg/L	13:59:19
1	Mo 202.031†	78.6	-3.7	0.0004634	mg/L	0.115841	mg/L	13:59:19
1	Ni 231.604†	433.9	-10.7	-0.0017221	mg/L	-0.430537	mg/L	13:59:19
1	Pb 220.353†	-35.3	-9.9	-0.0022470	mg/L	-0.561746	mg/L	13:59:19
1	Sb 217.584†	-60.8	-7.0	-0.0019453	mg/L	-0.486314	mg/L	13:59:19
1	Se 196.026†	-44.3	-3.5	-0.0137389	mg/L	-3.43473	mg/L	13:59:19
1	Si 251.611†	545.9	-190.1	-0.0073589	mg/L	-1.83973	mg/L	13:59:19
1	Sn 189.927†	17.2	1.8	0.0039062	mg/L	0.976538	mg/L	13:59:19
1	Tl 190.801†	-39.0	-0.8	0.0013651	mg/L	0.341278	mg/L	13:59:19
1	V 292.395†	-1192.5	138.7	0.0037904	mg/L	0.947603	mg/L	13:58:59
1	Zn 206.200†	-59.2	7.0	-0.0000219	mg/L	-0.0054812	mg/L	13:59:19
2	Y 360.076	159076.4	159076.4	103.647	%			13:58:33
2	Al 396.153†	668.0	449.3	0.131169	mg/L	32.7923	mg/L	13:58:53
2	Ba 455.398†	1136.5	1099.7	0.0048590	mg/L	1.21475	mg/L	13:58:33
2	Ca 315.887†	180.1	42.7	0.0183378	mg/L	4.58445	mg/L	13:58:53
2	Fe 238.204†	451.3	403.2	0.158112	mg/L	39.5279	mg/L	13:58:53
2	K 766.490	11.4	31.2	0.0082956	mg/L	2.07390	mg/L	13:58:33
2	Li 670.784†	-30.1	-8.0	0.0011607	mg/L	0.290173	mg/L	13:58:33
2	Mg 279.071†	39.3	23.7	0.0522538	mg/L	13.0635	mg/L	13:58:53
2	Na 589.592†	817.2	12.8	0.0039459	mg/L	0.986463	mg/L	13:58:33
2	Sr 407.771†	960.9	272.6	0.0012036	mg/L	0.300897	mg/L	13:58:33
2	Ti 334.940†	117.3	119.2	0.0100067	mg/L	2.50167	mg/L	13:58:53
2	Sc 357.234	229589.8	229589.8	100.490	%			13:59:24
2	Ag 328.068†	-25.3	0.9	0.0016860	mg/L	0.421504	mg/L	13:59:24
2	As 188.979†	-30.6	-10.4	-0.0163264	mg/L	-4.08160	mg/L	13:59:44
2	B 249.677†	337.0	-62.3	-0.0090099	mg/L	-2.25247	mg/L	13:59:44
2	Be 234.861†	-768.3	30.1	0.0000883	mg/L	0.0220710	mg/L	13:59:44
2	Cd 214.437†	205.2	4.8	-0.0006096	mg/L	-0.152388	mg/L	13:59:44
2	Ce 413.764†	409.3	84.3	0.0021600	mg/L	0.540008	mg/L	13:59:24
2	Co 228.616†	-71.5	2.4	-0.0002101	mg/L	-0.0525196	mg/L	13:59:44
2	Cr 205.557†	-22.0	1.3	-0.0000648	mg/L	-0.0161882	mg/L	13:59:44
2	Cu 327.397†	255.3	-0.8	-0.0032536	mg/L	-0.813412	mg/L	13:59:24
2	Mn 257.610†	416.6	233.1	0.0013335	mg/L	0.333387	mg/L	13:59:44
2	Mo 202.031†	82.0	0.3	0.0009659	mg/L	0.241485	mg/L	13:59:44
2	Ni 231.604†	445.3	4.6	-0.0004839	mg/L	-0.120986	mg/L	13:59:44

2	Pb 220.353†	-30.7	-5.6	-0.0000948 mg/L	-0.0237064 mg/L	13:59:44
2	Sb 217.584†	-56.7	-3.5	0.0006515 mg/L	0.162875 mg/L	13:59:44
2	Se 196.026†	-35.1	5.3	0.0046826 mg/L	1.17066 mg/L	13:59:44
2	Si 251.611†	521.4	-209.5	-0.0091365 mg/L	-2.28413 mg/L	13:59:44
2	Sn 189.927†	12.4	-2.8	0.0018646 mg/L	0.466161 mg/L	13:59:44
2	Tl 190.801†	-33.3	4.5	0.0076070 mg/L	1.90174 mg/L	13:59:44
2	V 292.395†	-1165.4	154.9	0.0041610 mg/L	1.04024 mg/L	13:59:24
2	Zn 206.200†	-52.8	12.8	0.0005341 mg/L	0.133521 mg/L	13:59:44

Mean Data: 0A27004-srd3

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	230640.1	100.950	%	0.6501				0.64%
Y 360.076	157777.5	102.801	%	1.1968				1.16%
Ag 328.068†	55.2	0.0025300	mg/L	0.00119358	0.632502	mg/L	0.2983955	47.18%
Al 396.153†	446.8	0.130389	mg/L	0.0011038	32.5972	mg/L	0.27596	0.85%
As 188.979†	-3.5	-0.0055037	mg/L	0.01530555	-1.37594	mg/L	3.826388	278.09%
B 249.677†	-62.4	-0.0090148	mg/L	0.00000694	-2.25369	mg/L	0.001735	0.08%
Ba 455.398†	1118.1	0.0049221	mg/L	0.00008931	1.23054	mg/L	0.022326	1.81%
Be 234.861†	36.2	0.0001164	mg/L	0.00003980	0.0291072	mg/L	0.00995075	34.19%
Ca 315.887†	46.8	0.0209191	mg/L	0.00365047	5.22977	mg/L	0.912617	17.45%
Cd 214.437†	3.0	-0.0006748	mg/L	0.00009225	-0.168696	mg/L	0.0230633	13.67%
Ce 413.764†	84.8	0.0021728	mg/L	0.00001802	0.543194	mg/L	0.0045054	0.83%
Co 228.616†	3.8	0.0000150	mg/L	0.00031831	0.0037500	mg/L	0.07957723	>999.9%
Cr 205.557†	4.3	0.0001907	mg/L	0.00036130	0.0476812	mg/L	0.09032495	189.44%
Cu 327.397†	-15.8	-0.0037200	mg/L	0.00065948	-0.929994	mg/L	0.1648705	17.73%
Fe 238.204†	409.0	0.160393	mg/L	0.0032264	40.0983	mg/L	0.80659	2.01%
K 766.490	14.1	-0.0176718	mg/L	0.03672348	-4.41795	mg/L	9.180871	207.81%
Li 670.784†	-4.2	0.0012775	mg/L	0.00016523	0.319383	mg/L	0.0413082	12.93%
Mg 279.071†	14.1	0.0326125	mg/L	0.02777700	8.15313	mg/L	6.944251	85.17%
Mn 257.610†	231.1	0.0013208	mg/L	0.00001800	0.330206	mg/L	0.0044998	1.36%
Mo 202.031†	-1.7	0.0007147	mg/L	0.00035538	0.178663	mg/L	0.0888442	49.73%
Na 589.592†	12.7	0.0039393	mg/L	0.00000922	0.984834	mg/L	0.0023042	0.23%
Ni 231.604†	-3.1	-0.0011030	mg/L	0.00087554	-0.275761	mg/L	0.2188855	79.37%
Pb 220.353†	-7.7	-0.0011709	mg/L	0.00152181	-0.292726	mg/L	0.3804515	129.97%
Sb 217.584†	-5.2	-0.0006469	mg/L	0.00183618	-0.161719	mg/L	0.4590458	283.85%
Se 196.026†	0.9	-0.0045281	mg/L	0.01302602	-1.13204	mg/L	3.256506	287.67%
Si 251.611†	-199.8	-0.0082477	mg/L	0.00125696	-2.06193	mg/L	0.314240	15.24%
Sn 189.927†	-0.5	0.0028854	mg/L	0.00144356	0.721350	mg/L	0.3608911	50.03%
Sr 407.771†	248.5	0.0011726	mg/L	0.00004386	0.293143	mg/L	0.0109649	3.74%
Ti 334.940†	114.6	0.0097120	mg/L	0.00041674	2.42800	mg/L	0.104184	4.29%
Tl 190.801†	1.8	0.0044860	mg/L	0.00441365	1.12151	mg/L	1.103412	98.39%
V 292.395†	146.8	0.0039757	mg/L	0.00026202	0.993922	mg/L	0.0655045	6.59%
Zn 206.200†	9.9	0.0002561	mg/L	0.00039316	0.0640199	mg/L	0.09828935	153.53%

==========

Sequence No.: 12
Sample ID: 1000576-ps2
Analyst:
Initial Sample Wt:
Dilution: 50X

Autosampler Location: 55
Date Collected: 1/27/2010 2:00:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000576-ps2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	155594.9	155594.9	101.379	%			14:02:03
1	Al 396.153†	6417.9	6135.4	1.94187	mg/L	97.0934	mg/L	14:02:23
1	Ba 455.398†	76420.1	75384.0	0.259935	mg/L	12.9967	mg/L	14:02:03
1	Ca 315.887†	20101.2	19696.8	12.3329	mg/L	616.647	mg/L	14:02:23
1	Fe 238.204†	2781.4	2711.4	1.06167	mg/L	53.0837	mg/L	14:02:23
1	K 766.490	7885.6	7905.4	11.9464	mg/L	597.319	mg/L	14:02:23
1	Li 670.784†	7991.8	7904.2	0.242795	mg/L	12.1397	mg/L	14:02:23
1	Mg 279.071†	6049.3	5952.7	12.2535	mg/L	612.673	mg/L	14:02:23
1	Na 589.592†	79543.1	77685.7	11.9585	mg/L	597.923	mg/L	14:02:03
1	Sr 407.771†	191688.6	188427.2	0.242852	mg/L	12.1426	mg/L	14:02:03
1	Ti 334.940†	4418.8	4364.6	0.285753	mg/L	14.2876	mg/L	14:02:23
1	Sc 357.234	233749.7	233749.7	102.311	%			14:02:54
1	Ag 328.068†	15123.9	14808.5	0.232094	mg/L	11.6047	mg/L	14:02:54
1	As 188.979†	764.2	767.0	1.19776	mg/L	59.8881	mg/L	14:03:14

1	B 249.677†	4710.2	4206.1	0.221175 mg/L	11.0588 mg/L	14:02:54
1	Be 234.861†	4408.1	5103.2	0.0240214 mg/L	1.20107 mg/L	14:03:14
1	Cd 214.437†	7038.8	6680.4	0.238557 mg/L	11.9278 mg/L	14:03:14
1	Ce 413.764†	465.6	132.0	0.0033250 mg/L	0.166248 mg/L	14:02:54
1	Co 228.616†	1542.3	1581.0	0.237653 mg/L	11.8826 mg/L	14:03:14
1	Cr 205.557†	2864.3	2822.8	0.240066 mg/L	12.0033 mg/L	14:03:14
1	Cu 327.397†	8004.8	7569.1	0.231532 mg/L	11.5766 mg/L	14:02:54
1	Mn 257.610†	38820.8	37762.4	0.244118 mg/L	12.2059 mg/L	14:02:54
1	Mo 202.031†	2152.8	2022.9	0.249656 mg/L	12.4828 mg/L	14:03:14
1	Ni 231.604†	3461.4	2944.7	0.236442 mg/L	11.8221 mg/L	14:03:14
1	Pb 220.353†	460.2	474.7	0.241600 mg/L	12.0800 mg/L	14:03:14
1	Sb 217.584†	1604.4	1621.2	1.23342 mg/L	61.6711 mg/L	14:03:14
1	Se 196.026†	560.5	588.1	1.22176 mg/L	61.0881 mg/L	14:03:14
1	Si 251.611†	15479.7	14401.7	1.30719 mg/L	65.3596 mg/L	14:02:54
1	Sn 189.927†	2736.5	2659.5	1.18427 mg/L	59.2137 mg/L	14:03:14
1	Tl 190.801†	1017.8	1032.5	1.20855 mg/L	60.4275 mg/L	14:03:14
1	V 292.395†	9528.5	10627.9	0.242040 mg/L	12.1020 mg/L	14:02:54
1	Zn 206.200†	2553.0	2560.7	0.243428 mg/L	12.1714 mg/L	14:03:14
2	Y 360.076	158407.5	158407.5	103.211 %		14:02:28
2	Al 396.153†	6404.9	6010.4	1.90192 mg/L	95.0959 mg/L	14:02:48
2	Ba 455.398†	76966.3	74574.9	0.257156 mg/L	12.8578 mg/L	14:02:28
2	Ca 315.887†	20103.8	19347.3	12.1139 mg/L	605.697 mg/L	14:02:48
2	Fe 238.204†	2782.8	2664.0	1.04312 mg/L	52.1558 mg/L	14:02:48
2	K 766.490	7901.0	7920.8	11.9696 mg/L	598.481 mg/L	14:02:48
2	Li 670.784†	7990.2	7762.6	0.238472 mg/L	11.9236 mg/L	14:02:48
2	Mg 279.071†	6050.7	5848.2	12.0382 mg/L	601.912 mg/L	14:02:48
2	Na 589.592†	80194.9	76924.1	11.8412 mg/L	592.062 mg/L	14:02:28
2	Sr 407.771†	192958.7	186300.6	0.240120 mg/L	12.0060 mg/L	14:02:28
2	Ti 334.940†	4427.4	4295.6	0.281268 mg/L	14.0634 mg/L	14:02:48
2	Sc 357.234	232154.9	232154.9	101.613 %		14:03:20
2	Ag 328.068†	15060.9	14848.0	0.232705 mg/L	11.6353 mg/L	14:03:20
2	As 188.979†	763.0	770.9	1.20398 mg/L	60.1990 mg/L	14:03:40
2	B 249.677†	4724.4	4251.8	0.223648 mg/L	11.1824 mg/L	14:03:20
2	Be 234.861†	4395.8	5120.7	0.0241113 mg/L	1.20557 mg/L	14:03:40
2	Cd 214.437†	7001.0	6690.5	0.238922 mg/L	11.9461 mg/L	14:03:40
2	Ce 413.764†	472.1	141.6	0.0035726 mg/L	0.178630 mg/L	14:03:20
2	Co 228.616†	1528.9	1578.2	0.237235 mg/L	11.8617 mg/L	14:03:40
2	Cr 205.557†	2852.4	2830.3	0.240703 mg/L	12.0351 mg/L	14:03:40
2	Cu 327.397†	8018.7	7636.6	0.233619 mg/L	11.6810 mg/L	14:03:20
2	Mn 257.610†	38700.6	37904.8	0.245039 mg/L	12.2519 mg/L	14:03:20
2	Mo 202.031†	2156.7	2041.2	0.251910 mg/L	12.5955 mg/L	14:03:40
2	Ni 231.604†	3462.6	2969.0	0.238409 mg/L	11.9205 mg/L	14:03:40
2	Pb 220.353†	466.7	484.2	0.246377 mg/L	12.3188 mg/L	14:03:40
2	Sb 217.584†	1598.3	1625.9	1.23695 mg/L	61.8474 mg/L	14:03:40
2	Se 196.026†	555.7	587.1	1.21975 mg/L	60.9873 mg/L	14:03:40
2	Si 251.611†	15356.1	14383.9	1.30569 mg/L	65.2847 mg/L	14:03:20
2	Sn 189.927†	2729.7	2671.2	1.18941 mg/L	59.4704 mg/L	14:03:40
2	Tl 190.801†	1008.2	1029.8	1.20538 mg/L	60.2692 mg/L	14:03:40
2	V 292.395†	9559.1	10722.0	0.244188 mg/L	12.2094 mg/L	14:03:20
2	Zn 206.200†	2537.2	2562.3	0.243593 mg/L	12.1796 mg/L	14:03:40

Mean Data: 1000576-ps2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	232952.3	101.962	%	0.4936				0.48%
Y 360.076	157001.2	102.295	%	1.2958				1.27%
Ag 328.068†	14828.2	0.232400	mg/L	0.0004321	11.6200	mg/L	0.02160	0.19%
Al 396.153†	6072.9	1.92189	mg/L	0.028249	96.0947	mg/L	1.41244	1.47%
As 188.979†	768.9	1.20087	mg/L	0.004397	60.0435	mg/L	0.21985	0.37%
B 249.677†	4228.9	0.222411	mg/L	0.0017486	11.1206	mg/L	0.08743	0.79%
Ba 455.398†	74979.5	0.258546	mg/L	0.0019647	12.9273	mg/L	0.09824	0.76%
Be 234.861†	5112.0	0.0240663	mg/L	0.00006361	1.20332	mg/L	0.003180	0.26%
Ca 315.887†	19522.0	12.2234	mg/L	0.15486	611.172	mg/L	7.7429	1.27%
Cd 214.437†	6685.4	0.238739	mg/L	0.0002584	11.9370	mg/L	0.01292	0.11%
Ce 413.764†	136.8	0.0034488	mg/L	0.00017511	0.172439	mg/L	0.0087554	5.08%
Co 228.616†	1579.6	0.237444	mg/L	0.0002955	11.8722	mg/L	0.01477	0.12%
Cr 205.557†	2826.6	0.240384	mg/L	0.0004505	12.0192	mg/L	0.02252	0.19%
Cu 327.397†	7602.8	0.232575	mg/L	0.0014761	11.6288	mg/L	0.07381	0.63%
Fe 238.204†	2687.7	1.05240	mg/L	0.013123	52.6198	mg/L	0.65615	1.25%
K 766.490	7913.1	11.9580	mg/L	0.01643	597.900	mg/L	0.8214	0.14%

Li 670.784†	7833.4	0.240633	mg/L	0.0030568	12.0317	mg/L	0.15284	1.27%
Mg 279.071†	5900.4	12.1459	mg/L	0.15218	607.293	mg/L	7.6088	1.25%
Mn 257.610†	37833.6	0.244578	mg/L	0.0006508	12.2289	mg/L	0.03254	0.27%
Mo 202.031†	2032.1	0.250783	mg/L	0.0015937	12.5391	mg/L	0.07968	0.64%
Na 589.592†	77304.9	11.8998	mg/L	0.08288	594.992	mg/L	4.1442	0.70%
Ni 231.604†	2956.9	0.237426	mg/L	0.0013912	11.8713	mg/L	0.06956	0.59%
Pb 220.353†	479.4	0.243989	mg/L	0.0033776	12.1994	mg/L	0.16888	1.38%
Sb 217.584†	1623.5	1.23519	mg/L	0.002494	61.7593	mg/L	0.12468	0.20%
Se 196.026†	587.6	1.22075	mg/L	0.001426	61.0377	mg/L	0.07131	0.12%
Si 251.611†	14392.8	1.30644	mg/L	0.001060	65.3221	mg/L	0.05299	0.08%
Sn 189.927†	2665.4	1.18684	mg/L	0.003630	59.3420	mg/L	0.18148	0.31%
Sr 407.771†	187363.9	0.241486	mg/L	0.0019313	12.0743	mg/L	0.09656	0.80%
Ti 334.940†	4330.1	0.283510	mg/L	0.0031713	14.1755	mg/L	0.15857	1.12%
Tl 190.801†	1031.1	1.20697	mg/L	0.002240	60.3484	mg/L	0.11199	0.19%
V 292.395†	10674.9	0.243114	mg/L	0.0015185	12.1557	mg/L	0.07593	0.62%
Zn 206.200†	2561.5	0.243510	mg/L	0.0001161	12.1755	mg/L	0.00581	0.05%

Sequence No.: 13
Sample ID: 1001286-07
Analyst:
Initial Sample Wt:
Dilution: 200X

Autosampler Location: 56
Date Collected: 1/27/2010 2:04:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001286-07

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	154875.3	154875.3	100.910	%			14:06:02
1	Al 396.153†	965.4	761.5	0.231857	mg/L	46.3714	mg/L	14:06:22
1	Ba 455.398†	409.8	409.4	0.0024884	mg/L	0.497684	mg/L	14:06:02
1	Ca 315.887†	8672.5	8463.3	5.29439	mg/L	1058.88	mg/L	14:06:22
1	Fe 238.204†	1775.3	1727.1	0.676731	mg/L	135.346	mg/L	14:06:22
1	K 766.490	47.0	66.8	0.0623159	mg/L	12.4632	mg/L	14:06:22
1	Li 670.784†	52.0	72.5	0.0036196	mg/L	0.723918	mg/L	14:06:22
1	Mg 279.071†	991.6	968.4	1.99631	mg/L	399.262	mg/L	14:06:22
1	Na 589.592†	855.8	72.4	0.0131239	mg/L	2.62478	mg/L	14:06:02
1	Sr 407.771†	2765.6	2086.3	0.0035329	mg/L	0.706577	mg/L	14:06:02
1	Ti 334.940†	157.4	161.9	0.0127836	mg/L	2.55671	mg/L	14:06:22
1	Sc 357.234	235327.2	235327.2	103.002	%			14:06:53
1	Ag 328.068†	-60.5	-32.6	0.0012865	mg/L	0.257300	mg/L	14:06:53
1	As 188.979†	-24.5	-3.8	-0.0059027	mg/L	-1.18054	mg/L	14:07:13
1	B 249.677†	384.5	-24.4	-0.0069089	mg/L	-1.38177	mg/L	14:07:13
1	Be 234.861†	-746.1	70.3	0.0001052	mg/L	0.0210309	mg/L	14:07:13
1	Cd 214.437†	209.4	3.9	-0.0007438	mg/L	-0.148766	mg/L	14:07:13
1	Ce 413.764†	367.6	33.9	0.0008645	mg/L	0.172910	mg/L	14:06:53
1	Co 228.616†	-64.6	10.9	0.0010522	mg/L	0.210433	mg/L	14:07:13
1	Cr 205.557†	-22.9	1.0	-0.0000606	mg/L	-0.0121156	mg/L	14:07:13
1	Cu 327.397†	254.3	-8.0	-0.0034748	mg/L	-0.694960	mg/L	14:06:53
1	Mn 257.610†	7204.7	6813.2	0.0439157	mg/L	8.78313	mg/L	14:06:53
1	Mo 202.031†	99.4	15.2	0.0027970	mg/L	0.559395	mg/L	14:07:13
1	Ni 231.604†	453.7	2.0	-0.0006969	mg/L	-0.139381	mg/L	14:07:13
1	Pb 220.353†	-36.5	-10.5	-0.0025609	mg/L	-0.512179	mg/L	14:07:13
1	Sb 217.584†	-62.0	-7.2	-0.0005906	mg/L	-0.118129	mg/L	14:07:13
1	Se 196.026†	-39.6	1.8	-0.0021121	mg/L	-0.422424	mg/L	14:07:13
1	Si 251.611†	699.9	-48.9	0.0054750	mg/L	1.09500	mg/L	14:07:13
1	Sn 189.927†	1.4	-13.8	-0.0018644	mg/L	-0.372876	mg/L	14:07:13
1	Tl 190.801†	-38.3	0.4	0.0028437	mg/L	0.568747	mg/L	14:07:13
1	V 292.395†	-1203.7	146.0	0.0038850	mg/L	0.776993	mg/L	14:07:13
1	Zn 206.200†	-44.9	21.8	0.0013038	mg/L	0.260751	mg/L	14:07:13
2	Y 360.076	154619.3	154619.3	100.743	%			14:06:27
2	Al 396.153†	948.0	745.7	0.226866	mg/L	45.3732	mg/L	14:06:47
2	Ba 455.398†	396.4	396.8	0.0024452	mg/L	0.489032	mg/L	14:06:27
2	Ca 315.887†	8660.7	8465.7	5.29594	mg/L	1059.19	mg/L	14:06:47
2	Fe 238.204†	1783.6	1738.2	0.681084	mg/L	136.217	mg/L	14:06:47
2	K 766.490	35.7	55.5	0.0451043	mg/L	9.02086	mg/L	14:06:47
2	Li 670.784†	69.9	90.5	0.0041667	mg/L	0.833336	mg/L	14:06:47
2	Mg 279.071†	999.5	977.9	2.01597	mg/L	403.195	mg/L	14:06:47
2	Na 589.592†	788.8	7.3	0.0031002	mg/L	0.620046	mg/L	14:06:27
2	Sr 407.771†	2818.4	2143.2	0.0036060	mg/L	0.721193	mg/L	14:06:27
2	Ti 334.940†	163.1	167.9	0.0131697	mg/L	2.63395	mg/L	14:06:47

2	Sc 357.234	233051.5	233051.5	102.006 %			14:07:18
2	Ag 328.068†	-19.7	6.8	0.0019090 mg/L	0.381807 mg/L		14:07:18
2	As 188.979†	-30.1	-9.5	-0.0148403 mg/L	-2.96805 mg/L		14:07:38
2	B 249.677†	392.0	-13.4	-0.0063057 mg/L	-1.26114 mg/L		14:07:38
2	Be 234.861†	-730.6	78.4	0.0001426 mg/L	0.0285105 mg/L		14:07:38
2	Cd 214.437†	211.3	7.8	-0.0006063 mg/L	-0.121264 mg/L		14:07:38
2	Ce 413.764†	444.9	113.1	0.0028967 mg/L	0.579344 mg/L		14:07:18
2	Co 228.616†	-76.0	-0.9	-0.0007325 mg/L	-0.146506 mg/L		14:07:38
2	Cr 205.557†	-13.9	9.6	0.0006780 mg/L	0.135608 mg/L		14:07:38
2	Cu 327.397†	255.2	-4.7	-0.0033719 mg/L	-0.674379 mg/L		14:07:18
2	Mn 257.610†	7264.2	6939.9	0.0447350 mg/L	8.94700 mg/L		14:07:18
2	Mo 202.031†	88.5	5.5	0.0016010 mg/L	0.320193 mg/L		14:07:38
2	Ni 231.604†	449.7	2.3	-0.0006683 mg/L	-0.133667 mg/L		14:07:38
2	Pb 220.353†	-32.1	-6.5	-0.0005669 mg/L	-0.113389 mg/L		14:07:38
2	Sb 217.584†	-56.5	-2.5	0.0030209 mg/L	0.604170 mg/L		14:07:38
2	Se 196.026†	-35.7	5.2	0.0050904 mg/L	1.01807 mg/L		14:07:38
2	Si 251.611†	680.7	-61.1	0.0043589 mg/L	0.871776 mg/L		14:07:38
2	Sn 189.927†	0.3	-14.9	-0.0023520 mg/L	-0.470400 mg/L		14:07:38
2	Tl 190.801†	-42.5	-4.0	-0.0023097 mg/L	-0.461932 mg/L		14:07:38
2	V 292.395†	-1196.4	141.7	0.0037741 mg/L	0.754829 mg/L		14:07:38
2	Zn 206.200†	-45.9	20.4	0.0011708 mg/L	0.234169 mg/L		14:07:38

Mean Data: 1001286-07

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	234189.4	102.504	%	0.7043				0.69%
Y 360.076	154747.3	100.827	%	0.1179				0.12%
Ag 328.068†	-12.9	0.0015978	mg/L	0.00044020	0.319553	mg/L	0.0880403	27.55%
Al 396.153†	753.6	0.229362	mg/L	0.0035291	45.8723	mg/L	0.70582	1.54%
As 188.979†	-6.6	-0.0103715	mg/L	0.00631983	-2.07429	mg/L	1.263966	60.93%
B 249.677†	-18.9	-0.0066073	mg/L	0.00042651	-1.32146	mg/L	0.085302	6.46%
Ba 455.398†	403.1	0.0024668	mg/L	0.00003059	0.493358	mg/L	0.0061181	1.24%
Be 234.861†	74.4	0.0001239	mg/L	0.00002644	0.0247707	mg/L	0.00528889	21.35%
Ca 315.887†	8464.5	5.29517	mg/L	0.001097	1059.03	mg/L	0.219	0.02%
Cd 214.437†	5.8	-0.0006751	mg/L	0.00009723	-0.135015	mg/L	0.0194464	14.40%
Ce 413.764†	73.5	0.0018806	mg/L	0.00143696	0.376127	mg/L	0.2873921	76.41%
Co 228.616†	5.0	0.0001598	mg/L	0.00126197	0.0319638	mg/L	0.25239410	789.63%
Cr 205.557†	5.3	0.0003087	mg/L	0.00052228	0.0617464	mg/L	0.10445658	169.17%
Cu 327.397†	-6.3	-0.0034233	mg/L	0.00007276	-0.684670	mg/L	0.0145530	2.13%
Fe 238.204†	1732.6	0.678907	mg/L	0.0030779	135.781	mg/L	0.6156	0.45%
K 766.490	61.2	0.0537101	mg/L	0.01217045	10.7420	mg/L	2.43409	22.66%
Li 670.784†	81.5	0.0038931	mg/L	0.00038685	0.778627	mg/L	0.0773696	9.94%
Mg 279.071†	973.1	2.00614	mg/L	0.013905	401.228	mg/L	2.7811	0.69%
Mn 257.610†	6876.6	0.0443253	mg/L	0.00057936	8.86507	mg/L	0.115872	1.31%
Mo 202.031†	10.4	0.0021990	mg/L	0.00084571	0.439794	mg/L	0.1691415	38.46%
Na 589.592†	39.9	0.0081121	mg/L	0.00708780	1.62241	mg/L	1.417559	87.37%
Ni 231.604†	2.1	-0.0006826	mg/L	0.00002020	-0.136524	mg/L	0.0040405	2.96%
Pb 220.353†	-8.5	-0.0015639	mg/L	0.00140994	-0.312784	mg/L	0.2819871	90.15%
Sb 217.584†	-4.8	0.0012151	mg/L	0.00255371	0.243020	mg/L	0.5107429	210.16%
Se 196.026†	3.5	0.0014891	mg/L	0.00509292	0.297823	mg/L	1.0185841	342.01%
Si 251.611†	-55.0	0.0049169	mg/L	0.00078923	0.983390	mg/L	0.1578456	16.05%
Sn 189.927†	-14.4	-0.0021082	mg/L	0.00034480	-0.421638	mg/L	0.0689595	16.36%
Sr 407.771†	2114.7	0.0035694	mg/L	0.00005167	0.713885	mg/L	0.0103345	1.45%
Ti 334.940†	164.9	0.0129766	mg/L	0.00027307	2.59533	mg/L	0.054614	2.10%
Tl 190.801†	-1.8	0.0002670	mg/L	0.00364400	0.0534074	mg/L	0.72879998	>999.9%
V 292.395†	143.9	0.0038296	mg/L	0.00007836	0.765911	mg/L	0.0156725	2.05%
Zn 206.200†	21.1	0.0012373	mg/L	0.00009398	0.247460	mg/L	0.0187964	7.60%

==========

Sequence No.: 14
Sample ID: 0A27004-srd4
Analyst:
Initial Sample Wt:
Dilution: 1000X

Autosampler Location: 57
Date Collected: 1/27/2010 2:08:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A27004-srd4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	155737.4	155737.4	101.472	%			14:09:57

1	Al 396.153†	354.5	154.2	0.0373575 mg/L	37.3575 mg/L	14:10:17
1	Ba 455.398†	113.3	114.9	0.0014773 mg/L	1.47732 mg/L	14:09:57
1	Ca 315.887†	1899.7	1741.1	1.08252 mg/L	1082.52 mg/L	14:10:17
1	Fe 238.204†	404.3	366.2	0.143592 mg/L	143.592 mg/L	14:10:17
1	K 766.490	18.0	37.8	0.0182932 mg/L	18.2932 mg/L	14:09:57
1	Li 670.784†	-30.6	-9.1	0.0011254 mg/L	1.12542 mg/L	14:09:57
1	Mg 279.071†	219.8	202.3	0.419899 mg/L	419.899 mg/L	14:10:17
1	Na 589.592†	815.8	28.3	0.0063394 mg/L	6.33943 mg/L	14:09:57
1	Sr 407.771†	1078.1	408.1	0.0013775 mg/L	1.37753 mg/L	14:09:57
1	Ti 334.940†	29.2	34.7	0.0045231 mg/L	4.52306 mg/L	14:10:17
1	Sc 357.234	230978.0	230978.0	101.098 %		14:10:48
1	Ag 328.068†	-6.6	19.7	0.0019909 mg/L	1.99092 mg/L	14:10:48
1	As 188.979†	-26.6	-6.2	-0.0097271 mg/L	-9.72707 mg/L	14:11:08
1	B 249.677†	356.0	-45.5	-0.0081017 mg/L	-8.10165 mg/L	14:11:08
1	Be 234.861†	-778.2	25.0	0.0000690 mg/L	0.0689738 mg/L	14:11:08
1	Cd 214.437†	197.1	-4.5	-0.0009340 mg/L	-0.934042 mg/L	14:11:08
1	Ce 413.764†	444.6	116.7	0.0029926 mg/L	2.99264 mg/L	14:10:48
1	Co 228.616†	-71.1	3.2	-0.0000655 mg/L	-0.0654807 mg/L	14:11:08
1	Cr 205.557†	-25.4	-1.9	-0.0003361 mg/L	-0.336134 mg/L	14:11:08
1	Cu 327.397†	251.8	-5.8	-0.0034127 mg/L	-3.41269 mg/L	14:10:48
1	Mn 257.610†	1651.7	1452.2	0.0092191 mg/L	9.21911 mg/L	14:11:08
1	Mo 202.031†	82.0	-0.1	0.0009072 mg/L	0.907211 mg/L	14:11:08
1	Ni 231.604†	437.3	-6.0	-0.0013424 mg/L	-1.34237 mg/L	14:11:08
1	Pb 220.353†	-22.9	2.3	0.0038717 mg/L	3.87174 mg/L	14:11:08
1	Sb 217.584†	-44.4	9.0	0.0101116 mg/L	10.1116 mg/L	14:11:08
1	Se 196.026†	-29.1	11.4	0.0172961 mg/L	17.2961 mg/L	14:11:08
1	Si 251.611†	317.2	-414.6	-0.0275731 mg/L	-27.5731 mg/L	14:11:08
1	Sn 189.927†	14.6	-0.8	0.0029974 mg/L	2.99736 mg/L	14:11:08
1	Tl 190.801†	-36.3	1.7	0.0043168 mg/L	4.31678 mg/L	14:11:08
1	V 292.395†	-1196.3	131.4	0.0036373 mg/L	3.63731 mg/L	14:10:48
1	Zn 206.200†	-66.3	-0.3	-0.0007220 mg/L	-0.721975 mg/L	14:11:08
2	Y 360.076	155650.3	155650.3	101.415 %		14:10:22
2	Al 396.153†	352.1	151.9	0.0366171 mg/L	36.6171 mg/L	14:10:42
2	Ba 455.398†	104.8	106.6	0.0014488 mg/L	1.44877 mg/L	14:10:22
2	Ca 315.887†	1904.2	1746.6	1.08596 mg/L	1085.96 mg/L	14:10:42
2	Fe 238.204†	391.7	354.0	0.138818 mg/L	138.818 mg/L	14:10:42
2	K 766.490	33.6	53.5	0.0420304 mg/L	42.0304 mg/L	14:10:22
2	Li 670.784†	-8.3	12.9	0.0017974 mg/L	1.79735 mg/L	14:10:22
2	Mg 279.071†	219.9	202.6	0.420355 mg/L	420.355 mg/L	14:10:42
2	Na 589.592†	817.7	30.7	0.0067002 mg/L	6.70019 mg/L	14:10:22
2	Sr 407.771†	1152.8	482.3	0.0014729 mg/L	1.47285 mg/L	14:10:22
2	Ti 334.940†	39.9	45.3	0.0052073 mg/L	5.20727 mg/L	14:10:42
2	Sc 357.234	229184.1	229184.1	100.313 %		14:11:13
2	Ag 328.068†	-33.0	-6.8	0.0015648 mg/L	1.56481 mg/L	14:11:13
2	As 188.979†	-16.6	3.5	0.0055310 mg/L	5.53103 mg/L	14:11:33
2	B 249.677†	356.1	-42.7	-0.0079469 mg/L	-7.94690 mg/L	14:11:33
2	Be 234.861†	-772.9	24.2	0.0000672 mg/L	0.0671733 mg/L	14:11:33
2	Cd 214.437†	195.2	-4.8	-0.0009473 mg/L	-0.947310 mg/L	14:11:33
2	Ce 413.764†	322.3	-1.8	-0.0000464 mg/L	-0.0463858 mg/L	14:11:13
2	Co 228.616†	-74.8	-1.1	-0.0007143 mg/L	-0.714329 mg/L	14:11:33
2	Cr 205.557†	-26.5	-3.2	-0.0004520 mg/L	-0.451979 mg/L	14:11:33
2	Cu 327.397†	236.1	-19.5	-0.0038379 mg/L	-3.83791 mg/L	14:11:13
2	Mn 257.610†	1677.0	1490.3	0.0094650 mg/L	9.46495 mg/L	14:11:33
2	Mo 202.031†	89.0	7.5	0.0018500 mg/L	1.85000 mg/L	14:11:33
2	Ni 231.604†	441.1	1.1	-0.0007616 mg/L	-0.761564 mg/L	14:11:33
2	Pb 220.353†	-25.9	-0.9	0.0022650 mg/L	2.26496 mg/L	14:11:33
2	Sb 217.584†	-50.8	2.3	0.0050000 mg/L	5.00000 mg/L	14:11:33
2	Se 196.026†	-38.2	2.2	-0.0019259 mg/L	-1.92587 mg/L	14:11:33
2	Si 251.611†	329.9	-399.5	-0.0262181 mg/L	-26.2181 mg/L	14:11:33
2	Sn 189.927†	6.5	-8.7	-0.0005202 mg/L	-0.520189 mg/L	14:11:33
2	Tl 190.801†	-33.9	3.8	0.0067408 mg/L	6.74075 mg/L	14:11:33
2	V 292.395†	-1226.0	92.5	0.0027728 mg/L	2.77283 mg/L	14:11:13
2	Zn 206.200†	-52.5	13.0	0.0005434 mg/L	0.543410 mg/L	14:11:33

Mean Data: 0A27004-srd4

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	230081.0	100.705	%	0.5552				0.55%
Y 360.076	155693.9	101.443	%	0.0401				0.04%
Ag 328.068†	6.4	0.0017779	mg/L	0.00030130	1.77787	mg/L	0.301303	16.95%

Al 396.153†	153.1	0.0369873	mg/L	0.00052357	36.9873	mg/L	0.52357	1.42%
As 188.979†	-1.4	-0.0020980	mg/L	0.01078911	-2.09802	mg/L	10.789107	514.25%
B 249.677†	-44.1	-0.0080243	mg/L	0.00010943	-8.02428	mg/L	0.109428	1.36%
Ba 455.398†	110.7	0.0014630	mg/L	0.00002019	1.46305	mg/L	0.020186	1.38%
Be 234.861†	24.6	0.0000681	mg/L	0.00000127	0.0680736	mg/L	0.00127312	1.87%
Ca 315.887†	1743.9	1.08424	mg/L	0.002434	1084.24	mg/L	2.434	0.22%
Cd 214.437†	-4.6	-0.0009407	mg/L	0.00000938	-0.940676	mg/L	0.0093817	1.00%
Ce 413.764†	57.5	0.0014731	mg/L	0.00214892	1.47313	mg/L	2.148918	145.87%
Co 228.616†	1.1	-0.0003899	mg/L	0.00045881	-0.389905	mg/L	0.4588053	117.67%
Cr 205.557†	-2.6	-0.0003941	mg/L	0.00008191	-0.394056	mg/L	0.0819145	20.79%
Cu 327.397†	-12.7	-0.0036253	mg/L	0.00030068	-3.62530	mg/L	0.300678	8.29%
Fe 238.204†	360.1	0.141205	mg/L	0.0033754	141.205	mg/L	3.3754	2.39%
K 766.490	45.6	0.0301618	mg/L	0.01678473	30.1618	mg/L	16.78473	55.65%
Li 670.784†	1.9	0.0014614	mg/L	0.00047513	1.46139	mg/L	0.475126	32.51%
Mg 279.071†	202.4	0.420127	mg/L	0.0003230	420.127	mg/L	0.3230	0.08%
Mn 257.610†	1471.3	0.0093420	mg/L	0.00017384	9.34203	mg/L	0.173836	1.86%
Mo 202.031†	3.7	0.0013786	mg/L	0.00066665	1.37861	mg/L	0.666653	48.36%
Na 589.592†	29.5	0.0065198	mg/L	0.00025509	6.51981	mg/L	0.255091	3.91%
Ni 231.604†	-2.5	-0.0010520	mg/L	0.00041069	-1.05197	mg/L	0.410692	39.04%
Pb 220.353†	0.7	0.0030683	mg/L	0.00113617	3.06835	mg/L	1.136166	37.03%
Sb 217.584†	5.7	0.0075558	mg/L	0.00361443	7.55578	mg/L	3.614431	47.84%
Se 196.026†	6.8	0.0076851	mg/L	0.01359197	7.68510	mg/L	13.591970	176.86%
Si 251.611†	-407.1	-0.0268956	mg/L	0.00095814	-26.8956	mg/L	0.95814	3.56%
Sn 189.927†	-4.7	0.0012386	mg/L	0.00248728	1.23859	mg/L	2.487283	200.82%
Sr 407.771†	445.2	0.0014252	mg/L	0.00006741	1.42519	mg/L	0.067406	4.73%
Ti 334.940†	40.0	0.0048652	mg/L	0.00048381	4.86516	mg/L	0.483806	9.94%
Tl 190.801†	2.8	0.0055288	mg/L	0.00171400	5.52877	mg/L	1.714004	31.00%
V 292.395†	111.9	0.0032051	mg/L	0.00061128	3.20507	mg/L	0.611275	19.07%
Zn 206.200†	6.4	-0.0000893	mg/L	0.00089476	-0.0892826	mg/L	0.89476268	>999.9%

Sequence No.: 15
Sample ID: 1000596-ps2
Analyst:
Initial Sample Wt:
Dilution: 200X

Autosampler Location: 58
Date Collected: 1/27/2010 2:12:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000596-ps2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	157510.2	157510.2	102.627	%			14:13:55
1	Al 396.153†	4846.3	4527.0	1.43020	mg/L	286.040	mg/L	14:14:15
1	Ba 455.398†	72071.1	70229.7	0.242236	mg/L	48.4472	mg/L	14:13:55
1	Ca 315.887†	28661.2	27796.6	17.4080	mg/L	3481.60	mg/L	14:14:15
1	Fe 238.204†	2439.4	2344.8	0.917903	mg/L	183.581	mg/L	14:14:15
1	K 766.490	8040.3	8060.1	12.1808	mg/L	2436.17	mg/L	14:14:15
1	Li 670.784†	8109.4	7922.9	0.243366	mg/L	48.6732	mg/L	14:14:15
1	Mg 279.071†	7069.2	6874.0	14.1493	mg/L	2829.86	mg/L	14:14:15
1	Na 589.592†	80864.6	78019.3	12.0098	mg/L	2401.96	mg/L	14:13:55
1	Sr 407.771†	195329.9	189676.1	0.244456	mg/L	48.8911	mg/L	14:13:55
1	Ti 334.940†	4043.6	3946.1	0.258570	mg/L	51.7140	mg/L	14:14:15
1	Sc 357.234	227966.7	227966.7	99.7799	%			14:14:46
1	Ag 328.068†	15166.3	15225.9	0.238611	mg/L	47.7223	mg/L	14:14:46
1	As 188.979†	781.3	803.0	1.25437	mg/L	250.875	mg/L	14:15:06
1	B 249.677†	4840.1	4453.1	0.234523	mg/L	46.9046	mg/L	14:15:06
1	Be 234.861†	4447.6	5252.1	0.0247849	mg/L	4.95698	mg/L	14:15:06
1	Cd 214.437†	7094.1	6910.4	0.246858	mg/L	49.3715	mg/L	14:15:06
1	Ce 413.764†	371.8	49.6	0.0012222	mg/L	0.244439	mg/L	14:14:46
1	Co 228.616†	1545.1	1622.0	0.243907	mg/L	48.7815	mg/L	14:15:06
1	Cr 205.557†	2877.7	2907.3	0.247240	mg/L	49.4480	mg/L	14:15:06
1	Cu 327.397†	8031.7	7794.5	0.238503	mg/L	47.7006	mg/L	14:14:46
1	Mn 257.610†	45129.4	45047.4	0.291235	mg/L	58.2469	mg/L	14:14:46
1	Mo 202.031†	2157.5	2081.0	0.256804	mg/L	51.3607	mg/L	14:15:06
1	Ni 231.604†	3512.2	3081.4	0.247456	mg/L	49.4912	mg/L	14:15:06
1	Pb 220.353†	462.5	488.4	0.248485	mg/L	49.6970	mg/L	14:15:06
1	Sb 217.584†	1593.4	1649.8	1.25471	mg/L	250.941	mg/L	14:15:06
1	Se 196.026†	573.7	615.2	1.27820	mg/L	255.640	mg/L	14:15:06
1	Si 251.611†	14326.3	13629.5	1.23793	mg/L	247.586	mg/L	14:14:46
1	Sn 189.927†	2724.3	2715.1	1.21000	mg/L	242.001	mg/L	14:15:06
1	Tl 190.801†	1028.4	1068.3	1.25009	mg/L	250.018	mg/L	14:15:06

1	V 292.395†	9728.1	11064.2	0.251976 mg/L	50.3952 mg/L	14:15:06
1	Zn 206.200†	2552.4	2623.3	0.249384 mg/L	49.8768 mg/L	14:15:06
2	Y 360.076	157237.1	157237.1	102.449 %		14:14:20
2	Al 396.153†	4844.5	4533.5	1.43230 mg/L	286.460 mg/L	14:14:40
2	Ba 455.398†	73203.2	71456.7	0.246449 mg/L	49.2899 mg/L	14:14:20
2	Ca 315.887†	28647.5	27831.8	17.4300 mg/L	3486.00 mg/L	14:14:40
2	Fe 238.204†	2443.8	2353.2	0.921196 mg/L	184.239 mg/L	14:14:40
2	K 766.490	8022.6	8042.4	12.1540 mg/L	2430.79 mg/L	14:14:40
2	Li 670.784†	8116.1	7943.1	0.243985 mg/L	48.7970 mg/L	14:14:40
2	Mg 279.071†	7053.0	6870.2	14.1415 mg/L	2828.30 mg/L	14:14:40
2	Na 589.592†	81855.1	79122.9	12.1797 mg/L	2435.93 mg/L	14:14:20
2	Sr 407.771†	198078.9	192690.0	0.248326 mg/L	49.6653 mg/L	14:14:20
2	Ti 334.940†	4038.7	3948.1	0.258701 mg/L	51.7403 mg/L	14:14:40
2	Sc 357.234	228644.3	228644.3	100.077 %		14:15:11
2	Ag 328.068†	15182.1	15196.6	0.238160 mg/L	47.6320 mg/L	14:15:11
2	As 188.979†	770.1	789.5	1.23326 mg/L	246.652 mg/L	14:15:31
2	B 249.677†	4840.6	4439.3	0.233776 mg/L	46.7552 mg/L	14:15:31
2	Be 234.861†	4459.6	5250.9	0.0247778 mg/L	4.95556 mg/L	14:15:31
2	Cd 214.437†	7099.1	6894.2	0.246281 mg/L	49.2561 mg/L	14:15:31
2	Ce 413.764†	394.3	71.0	0.0017721 mg/L	0.354423 mg/L	14:15:11
2	Co 228.616†	1542.3	1614.6	0.242792 mg/L	48.5584 mg/L	14:15:31
2	Cr 205.557†	2871.0	2892.0	0.245943 mg/L	49.1887 mg/L	14:15:31
2	Cu 327.397†	8083.5	7822.5	0.239369 mg/L	47.8737 mg/L	14:15:11
2	Mn 257.610†	45028.7	44812.8	0.289717 mg/L	57.9435 mg/L	14:15:11
2	Mo 202.031†	2152.9	2070.0	0.255447 mg/L	51.0894 mg/L	14:15:31
2	Ni 231.604†	3482.2	3040.9	0.244200 mg/L	48.8400 mg/L	14:15:31
2	Pb 220.353†	455.1	479.7	0.244082 mg/L	48.8164 mg/L	14:15:31
2	Sb 217.584†	1589.6	1641.3	1.24827 mg/L	249.654 mg/L	14:15:31
2	Se 196.026†	575.8	615.6	1.27902 mg/L	255.804 mg/L	14:15:31
2	Si 251.611†	14279.2	13539.9	1.22982 mg/L	245.963 mg/L	14:15:11
2	Sn 189.927†	2725.6	2708.4	1.20704 mg/L	241.407 mg/L	14:15:31
2	Tl 190.801†	1020.5	1057.4	1.23733 mg/L	247.467 mg/L	14:15:31
2	V 292.395†	9662.6	10969.8	0.249837 mg/L	49.9674 mg/L	14:15:31
2	Zn 206.200†	2548.2	2611.6	0.248263 mg/L	49.6525 mg/L	14:15:31

Mean Data: 1000596-ps2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 357.234	228305.5	99.9282	%	0.20972				0.21%
Y 360.076	157373.6	102.538	%	0.1259				0.12%
Ag 328.068†	15211.2	0.238386	mg/L	0.0003193	47.6771	mg/L	0.06387	0.13%
Al 396.153†	4530.3	1.43125	mg/L	0.001487	286.250	mg/L	0.2974	0.10%
As 188.979†	796.3	1.24382	mg/L	0.014931	248.763	mg/L	2.9863	1.20%
B 249.677†	4446.2	0.234149	mg/L	0.0005282	46.8299	mg/L	0.10565	0.23%
Ba 455.398†	70843.2	0.244343	mg/L	0.0029793	48.8685	mg/L	0.59587	1.22%
Be 234.861†	5251.5	0.0247813	mg/L	0.00000502	4.95627	mg/L	0.001004	0.02%
Ca 315.887†	27814.2	17.4190	mg/L	0.01558	3483.80	mg/L	3.116	0.09%
Cd 214.437†	6902.3	0.246569	mg/L	0.0004080	49.3138	mg/L	0.08159	0.17%
Ce 413.764†	60.3	0.0014972	mg/L	0.00038885	0.299431	mg/L	0.0777700	25.97%
Co 228.616†	1618.3	0.243350	mg/L	0.0007888	48.6699	mg/L	0.15775	0.32%
Cr 205.557†	2899.6	0.246592	mg/L	0.0009169	49.3184	mg/L	0.18337	0.37%
Cu 327.397†	7808.5	0.238936	mg/L	0.0006121	47.7871	mg/L	0.12242	0.26%
Fe 238.204†	2349.0	0.919550	mg/L	0.0023283	183.910	mg/L	0.4657	0.25%
K 766.490	8051.2	12.1674	mg/L	0.01899	2433.48	mg/L	3.798	0.16%
Li 670.784†	7933.0	0.243676	mg/L	0.0004377	48.7351	mg/L	0.08753	0.18%
Mg 279.071†	6872.1	14.1454	mg/L	0.00553	2829.08	mg/L	1.106	0.04%
Mn 257.610†	44930.1	0.290476	mg/L	0.0010728	58.0952	mg/L	0.21456	0.37%
Mo 202.031†	2075.5	0.256125	mg/L	0.0009592	51.2250	mg/L	0.19185	0.37%
Na 589.592†	78571.1	12.0947	mg/L	0.12011	2418.95	mg/L	24.023	0.99%
Ni 231.604†	3061.1	0.245828	mg/L	0.0023025	49.1656	mg/L	0.46051	0.94%
Pb 220.353†	484.0	0.246283	mg/L	0.0031132	49.2567	mg/L	0.62263	1.26%
Sb 217.584†	1645.6	1.25149	mg/L	0.004551	250.298	mg/L	0.9102	0.36%
Se 196.026†	615.4	1.27861	mg/L	0.000581	255.722	mg/L	0.1163	0.05%
Si 251.611†	13584.7	1.23387	mg/L	0.005739	246.775	mg/L	1.1478	0.47%
Sn 189.927†	2711.8	1.20852	mg/L	0.002097	241.704	mg/L	0.4195	0.17%
Sr 407.771†	191183.1	0.246391	mg/L	0.0027370	49.2782	mg/L	0.54741	1.11%
Ti 334.940†	3947.1	0.258636	mg/L	0.0000927	51.7271	mg/L	0.01854	0.04%
Tl 190.801†	1062.9	1.24371	mg/L	0.009021	248.743	mg/L	1.8042	0.73%
V 292.395†	11017.0	0.250906	mg/L	0.0015127	50.1813	mg/L	0.30254	0.60%
Zn 206.200†	2617.5	0.248823	mg/L	0.0007929	49.7647	mg/L	0.15859	0.32%

Sequence No.: 16
Sample ID: 1001286-07
Analyst:
Initial Sample Wt:
Dilution: 25X

Autosampler Location: 59
Date Collected: 1/27/2010 2:16:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001286-07

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	158021.4	158021.4	102.960	%			14:17:53
1	Al 396.153†	6270.7	5895.2	1.87653	mg/L	46.9132	mg/L	14:18:13
1	Ba 455.398†	3314.9	3222.9	0.0121493	mg/L	0.303733	mg/L	14:18:13
1	Ca 315.887†	69180.9	67061.2	42.0098	mg/L	1050.25	mg/L	14:17:53
1	Fe 238.204†	14191.1	13751.0	5.38711	mg/L	134.678	mg/L	14:18:13
1	K 766.490	216.4	236.2	0.319115	mg/L	7.97787	mg/L	14:18:13
1	Li 670.784†	144.5	161.4	0.0063320	mg/L	0.158300	mg/L	14:18:13
1	Mg 279.071†	7893.9	7652.7	15.7517	mg/L	393.794	mg/L	14:18:13
1	Na 589.592†	1140.2	331.8	0.0530424	mg/L	1.32606	mg/L	14:18:13
1	Sr 407.771†	17052.3	15907.7	0.0212837	mg/L	0.532094	mg/L	14:18:13
1	Ti 334.940†	1230.2	1200.8	0.0802610	mg/L	2.00652	mg/L	14:18:13
1	Sc 357.234	226690.0	226690.0	99.2211	%			14:18:44
1	Ag 328.068†	-216.3	-191.8	-0.0001259	mg/L	-0.0031474	mg/L	14:18:44
1	As 188.979†	-16.2	3.7	0.0052884	mg/L	0.132211	mg/L	14:19:04
1	B 249.677†	398.5	4.0	-0.0048890	mg/L	-0.122226	mg/L	14:19:04
1	Be 234.861†	-344.1	447.9	0.0003149	mg/L	0.0078721	mg/L	14:18:44
1	Cd 214.437†	207.4	9.7	-0.0015079	mg/L	-0.0376982	mg/L	14:19:04
1	Ce 413.764†	576.3	257.8	0.0065847	mg/L	0.164618	mg/L	14:18:44
1	Co 228.616†	-55.8	17.4	0.0017150	mg/L	0.0428762	mg/L	14:19:04
1	Cr 205.557†	18.8	42.2	0.0037318	mg/L	0.0932948	mg/L	14:19:04
1	Cu 327.397†	429.8	178.3	0.0023393	mg/L	0.0584813	mg/L	14:18:44
1	Mn 257.610†	56386.2	56647.4	0.366435	mg/L	9.16087	mg/L	14:18:44
1	Mo 202.031†	134.8	54.6	0.0076402	mg/L	0.191005	mg/L	14:19:04
1	Ni 231.604†	522.0	87.6	0.0062062	mg/L	0.155154	mg/L	14:19:04
1	Pb 220.353†	-23.4	1.3	0.0034124	mg/L	0.0853102	mg/L	14:19:04
1	Sb 217.584†	-96.1	-43.9	-0.0141702	mg/L	-0.354255	mg/L	14:19:04
1	Se 196.026†	-42.6	-2.7	-0.0059276	mg/L	-0.148189	mg/L	14:19:04
1	Si 251.611†	3706.7	3007.4	0.281716	mg/L	7.04290	mg/L	14:19:04
1	Sn 189.927†	-65.8	-81.5	-0.0238327	mg/L	-0.595818	mg/L	14:19:04
1	Tl 190.801†	-36.3	1.0	0.0042144	mg/L	0.105359	mg/L	14:19:04
1	V 292.395†	-909.0	398.6	0.0087118	mg/L	0.217794	mg/L	14:19:04
1	Zn 206.200†	73.0	138.9	0.0118169	mg/L	0.295422	mg/L	14:19:04
2	Y 360.076	156551.9	156551.9	102.002	%			14:18:18
2	Al 396.153†	6275.4	5957.0	1.89627	mg/L	47.4069	mg/L	14:18:38
2	Ba 455.398†	3309.9	3248.2	0.0122364	mg/L	0.305911	mg/L	14:18:38
2	Ca 315.887†	68828.2	67346.0	42.1883	mg/L	1054.71	mg/L	14:18:18
2	Fe 238.204†	14208.4	13897.2	5.44442	mg/L	136.110	mg/L	14:18:38
2	K 766.490	227.0	246.8	0.335186	mg/L	8.37966	mg/L	14:18:38
2	Li 670.784†	137.9	156.3	0.0061765	mg/L	0.154413	mg/L	14:18:38
2	Mg 279.071†	7900.7	7731.3	15.9136	mg/L	397.840	mg/L	14:18:38
2	Na 589.592†	1139.4	341.4	0.0545254	mg/L	1.36314	mg/L	14:18:38
2	Sr 407.771†	17079.8	16090.1	0.0215181	mg/L	0.537953	mg/L	14:18:38
2	Ti 334.940†	1241.0	1222.6	0.0816756	mg/L	2.04189	mg/L	14:18:38
2	Sc 357.234	232376.6	232376.6	101.710	%			14:19:10
2	Ag 328.068†	-244.0	-213.7	-0.0004577	mg/L	-0.0114419	mg/L	14:19:10
2	As 188.979†	-14.4	5.9	0.0087288	mg/L	0.218220	mg/L	14:19:30
2	B 249.677†	352.0	-51.6	-0.0078886	mg/L	-0.197216	mg/L	14:19:30
2	Be 234.861†	-400.7	400.7	0.0000700	mg/L	0.0017488	mg/L	14:19:10
2	Cd 214.437†	213.7	10.7	-0.0014799	mg/L	-0.0369981	mg/L	14:19:30
2	Ce 413.764†	580.6	247.8	0.0063266	mg/L	0.158166	mg/L	14:19:10
2	Co 228.616†	-51.3	23.1	0.0025734	mg/L	0.0643338	mg/L	14:19:30
2	Cr 205.557†	26.3	49.1	0.0043253	mg/L	0.108132	mg/L	14:19:30
2	Cu 327.397†	425.3	163.3	0.0018755	mg/L	0.0468865	mg/L	14:19:10
2	Mn 257.610†	56486.0	55354.7	0.358076	mg/L	8.95189	mg/L	14:19:10
2	Mo 202.031†	131.9	48.4	0.0068791	mg/L	0.171979	mg/L	14:19:30
2	Ni 231.604†	509.2	62.1	0.0041534	mg/L	0.103835	mg/L	14:19:30
2	Pb 220.353†	-26.5	-1.1	0.0021940	mg/L	0.0548494	mg/L	14:19:30
2	Sb 217.584†	-94.1	-39.6	-0.0107476	mg/L	-0.268689	mg/L	14:19:30
2	Se 196.026†	-38.7	2.1	0.0042713	mg/L	0.106781	mg/L	14:19:30

2	Si 251.611†	3655.4	2865.5	0.268845 mg/L	6.72112 mg/L	14:19:30
2	Sn 189.927†	-67.9	-81.9	-0.0239939 mg/L	-0.599847 mg/L	14:19:30
2	Tl 190.801†	-43.1	-4.8	-0.0025001 mg/L	-0.0625027 mg/L	14:19:30
2	V 292.395†	-944.7	385.9	0.0084066 mg/L	0.210164 mg/L	14:19:30
2	Zn 206.200†	79.8	143.8	0.0122754 mg/L	0.306885 mg/L	14:19:30

Mean Data: 1001286-07

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	229533.3	100.466	%	1.7600				1.75%
Y 360.076	157286.7	102.481	%	0.6770				0.66%
Ag 328.068†	-202.8	-0.0002918	mg/L	0.00023460	-0.0072946	mg/L	0.00586509	80.40%
Al 396.153†	5926.1	1.88640	mg/L	0.013962	47.1600	mg/L	0.34906	0.74%
As 188.979†	4.8	0.0070086	mg/L	0.00243270	0.175215	mg/L	0.0608174	34.71%
B 249.677†	-23.8	-0.0063888	mg/L	0.00212104	-0.159721	mg/L	0.0530261	33.20%
Ba 455.398†	3235.5	0.0121929	mg/L	0.00006159	0.304822	mg/L	0.0015397	0.51%
Be 234.861†	424.3	0.0001924	mg/L	0.00017319	0.0048105	mg/L	0.00432981	90.01%
Ca 315.887†	67203.6	42.0991	mg/L	0.12619	1052.48	mg/L	3.155	0.30%
Cd 214.437†	10.2	-0.0014939	mg/L	0.00001980	-0.0373481	mg/L	0.00049505	1.33%
Ce 413.764†	252.8	0.0064557	mg/L	0.00018248	0.161392	mg/L	0.0045620	2.83%
Co 228.616†	20.2	0.0021442	mg/L	0.00060691	0.0536050	mg/L	0.01517279	28.30%
Cr 205.557†	45.6	0.0040285	mg/L	0.00041965	0.100713	mg/L	0.0104913	10.42%
Cu 327.397†	170.8	0.0021074	mg/L	0.00032795	0.0526839	mg/L	0.00819876	15.56%
Fe 238.204†	13824.1	5.41576	mg/L	0.040520	135.394	mg/L	1.0130	0.75%
K 766.490	241.5	0.327151	mg/L	0.0113643	8.17876	mg/L	0.284108	3.47%
Li 670.784†	158.8	0.0062543	mg/L	0.00010992	0.156357	mg/L	0.0027479	1.76%
Mg 279.071†	7692.0	15.8327	mg/L	0.11444	395.817	mg/L	2.8609	0.72%
Mn 257.610†	56001.1	0.362255	mg/L	0.0059107	9.05638	mg/L	0.147767	1.63%
Mo 202.031†	51.5	0.0072597	mg/L	0.00053814	0.181492	mg/L	0.0134535	7.41%
Na 589.592†	336.6	0.0537839	mg/L	0.00104865	1.34460	mg/L	0.026216	1.95%
Ni 231.604†	74.8	0.0051798	mg/L	0.00145151	0.129495	mg/L	0.0362878	28.02%
Pb 220.353†	0.1	0.0028032	mg/L	0.00086156	0.0700798	mg/L	0.02153909	30.74%
Sb 217.584†	-41.7	-0.0124589	mg/L	0.00242015	-0.311472	mg/L	0.0605037	19.43%
Se 196.026†	-0.3	-0.0008281	mg/L	0.00721165	-0.0207037	mg/L	0.18029113	870.82%
Si 251.611†	2936.5	0.275281	mg/L	0.0091012	6.88201	mg/L	0.227531	3.31%
Sn 189.927†	-81.7	-0.0239133	mg/L	0.00011397	-0.597832	mg/L	0.0028492	0.48%
Sr 407.771†	15998.9	0.0214009	mg/L	0.00016573	0.535023	mg/L	0.0041431	0.77%
Ti 334.940†	1211.7	0.0809683	mg/L	0.00100026	2.02421	mg/L	0.025007	1.24%
Tl 190.801†	-1.9	0.0008571	mg/L	0.00474785	0.0214282	mg/L	0.11869615	553.93%
V 292.395†	392.2	0.0085592	mg/L	0.00021580	0.213979	mg/L	0.0053949	2.52%
Zn 206.200†	141.4	0.0120461	mg/L	0.00032423	0.301153	mg/L	0.0081058	2.69%

Sequence No.: 17
Sample ID: 0A27004-srd5
Analyst:
Initial Sample Wt:
Dilution: 125X

Autosampler Location: 60
Date Collected: 1/27/2010 2:20:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A27004-srd5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	159752.3	159752.3	104.088	%			14:21:49
1	Al 396.153†	1421.6	1170.6	0.362943	mg/L	45.3678	mg/L	14:22:09
1	Ba 455.398†	621.4	600.2	0.0031438	mg/L	0.392977	mg/L	14:21:49
1	Ca 315.887†	13799.1	13126.2	8.21601	mg/L	1027.00	mg/L	14:22:09
1	Fe 238.204†	2841.1	2697.3	1.05681	mg/L	132.101	mg/L	14:22:09
1	K 766.490	60.2	80.0	0.0822790	mg/L	10.2849	mg/L	14:22:09
1	Li 670.784†	50.8	69.8	0.0035369	mg/L	0.442116	mg/L	14:22:09
1	Mg 279.071†	1583.4	1506.9	3.10459	mg/L	388.074	mg/L	14:22:09
1	Na 589.592†	833.5	25.1	0.0058442	mg/L	0.730523	mg/L	14:21:49
1	Sr 407.771†	4028.2	3215.6	0.0049832	mg/L	0.622904	mg/L	14:21:49
1	Ti 334.940†	245.5	241.9	0.0179749	mg/L	2.24687	mg/L	14:22:09
1	Sc 357.234	231283.6	231283.6	101.232	%			14:22:41
1	Ag 328.068†	15.6	41.6	0.0025284	mg/L	0.316047	mg/L	14:22:41
1	As 188.979†	-21.4	-1.1	-0.0018030	mg/L	-0.225375	mg/L	14:23:01
1	B 249.677†	313.2	-88.2	-0.0103179	mg/L	-1.28974	mg/L	14:23:01
1	Be 234.861†	-692.8	110.4	0.0001680	mg/L	0.0210002	mg/L	14:23:01
1	Cd 214.437†	197.4	-4.4	-0.0011199	mg/L	-0.139988	mg/L	14:23:01

1	Ce 413.764†	411.7	83.7	0.0021398 mg/L	0.267476 mg/L	14:22:41
1	Co 228.616†	-70.5	3.9	-0.0000299 mg/L	-0.0037343 mg/L	14:23:01
1	Cr 205.557†	-18.0	5.4	0.0003410 mg/L	0.0426311 mg/L	14:23:01
1	Cu 327.397†	274.8	16.6	-0.0027094 mg/L	-0.338671 mg/L	14:22:41
1	Mn 257.610†	11368.1	11048.3	0.0713233 mg/L	8.91542 mg/L	14:22:41
1	Mo 202.031†	93.3	10.9	0.0022693 mg/L	0.283668 mg/L	14:23:01
1	Ni 231.604†	451.8	7.8	-0.0002257 mg/L	-0.0282115 mg/L	14:23:01
1	Pb 220.353†	-33.9	-8.5	-0.0015716 mg/L	-0.196453 mg/L	14:23:01
1	Sb 217.584†	-67.5	-13.7	-0.0043898 mg/L	-0.548722 mg/L	14:23:01
1	Se 196.026†	-46.7	-5.9	-0.0176563 mg/L	-2.20703 mg/L	14:23:01
1	Si 251.611†	940.3	200.5	0.0280176 mg/L	3.50220 mg/L	14:23:01
1	Sn 189.927†	-4.9	-20.0	-0.0039740 mg/L	-0.496754 mg/L	14:23:01
1	Tl 190.801†	-42.5	-4.4	-0.0026614 mg/L	-0.332678 mg/L	14:23:01
1	V 292.395†	-1174.9	154.0	0.0039858 mg/L	0.498222 mg/L	14:23:01
1	Zn 206.200†	-31.0	34.8	0.0024903 mg/L	0.311282 mg/L	14:23:01
2	Y 360.076	158523.1	158523.1	103.287 %		14:22:15
2	Al 396.153†	1408.0	1168.0	0.362126 mg/L	45.2658 mg/L	14:22:35
2	Ba 455.398†	623.2	606.6	0.0031657 mg/L	0.395707 mg/L	14:22:15
2	Ca 315.887†	13825.0	13254.0	8.29611 mg/L	1037.01 mg/L	14:22:35
2	Fe 238.204†	2846.3	2723.5	1.06709 mg/L	133.386 mg/L	14:22:35
2	K 766.490	52.9	72.7	0.0712900 mg/L	8.91125 mg/L	14:22:35
2	Li 670.784†	55.7	75.0	0.0036939 mg/L	0.461735 mg/L	14:22:35
2	Mg 279.071†	1581.9	1517.4	3.12606 mg/L	390.757 mg/L	14:22:35
2	Na 589.592†	816.9	15.3	0.0043282 mg/L	0.541026 mg/L	14:22:15
2	Sr 407.771†	4028.8	3246.2	0.0050225 mg/L	0.627817 mg/L	14:22:15
2	Ti 334.940†	245.9	244.0	0.0181135 mg/L	2.26419 mg/L	14:22:35
2	Sc 357.234	236825.2	236825.2	103.657 %		14:23:06
2	Ag 328.068†	-19.8	7.1	0.0019857 mg/L	0.248210 mg/L	14:23:06
2	As 188.979†	-14.2	6.8	0.0098370 mg/L	1.22962 mg/L	14:23:26
2	B 249.677†	329.8	-79.5	-0.0098433 mg/L	-1.23041 mg/L	14:23:26
2	Be 234.861†	-700.6	118.8	0.0002049 mg/L	0.0256160 mg/L	14:23:26
2	Cd 214.437†	198.5	-8.0	-0.0012493 mg/L	-0.156166 mg/L	14:23:26
2	Ce 413.764†	345.6	10.4	0.0002619 mg/L	0.0327321 mg/L	14:23:06
2	Co 228.616†	-68.9	7.1	0.0004551 mg/L	0.0568828 mg/L	14:23:26
2	Cr 205.557†	-8.5	15.0	0.0011564 mg/L	0.144553 mg/L	14:23:26
2	Cu 327.397†	257.1	-6.8	-0.0034355 mg/L	-0.429443 mg/L	14:23:06
2	Mn 257.610†	11499.9	10912.7	0.0704467 mg/L	8.80584 mg/L	14:23:06
2	Mo 202.031†	93.3	8.8	0.0020012 mg/L	0.250153 mg/L	14:23:26
2	Ni 231.604†	452.7	-1.8	-0.0009990 mg/L	-0.124876 mg/L	14:23:26
2	Pb 220.353†	-16.4	9.1	0.0073184 mg/L	0.914798 mg/L	14:23:26
2	Sb 217.584†	-65.9	-10.6	-0.0020092 mg/L	-0.251145 mg/L	14:23:26
2	Se 196.026†	-34.6	6.9	0.0089537 mg/L	1.11921 mg/L	14:23:26
2	Si 251.611†	925.2	164.1	0.0247280 mg/L	3.09100 mg/L	14:23:26
2	Sn 189.927†	-9.8	-24.7	-0.0060160 mg/L	-0.751999 mg/L	14:23:26
2	Tl 190.801†	-37.0	1.9	0.0046455 mg/L	0.580692 mg/L	14:23:26
2	V 292.395†	-1190.4	166.3	0.0042568 mg/L	0.532101 mg/L	14:23:26
2	Zn 206.200†	-27.9	38.4	0.0028379 mg/L	0.354743 mg/L	14:23:26

Mean Data: 0A27004-srd5

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	234054.4	102.444	%	1.7151				1.67%
Y 360.076	159137.7	103.687	%	0.5663				0.55%
Ag 328.068†	24.3	0.0022570	mg/L	0.00038374	0.282129	mg/L	0.0479675	17.00%
Al 396.153†	1169.3	0.362535	mg/L	0.0005773	45.3168	mg/L	0.07216	0.16%
As 188.979†	2.6	0.0040170	mg/L	0.00823069	0.502123	mg/L	1.0288366	204.90%
B 249.677†	-83.9	-0.0100806	mg/L	0.00033559	-1.26007	mg/L	0.041949	3.33%
Ba 455.398†	603.4	0.0031547	mg/L	0.00001544	0.394342	mg/L	0.0019306	0.49%
Be 234.861†	114.6	0.0001865	mg/L	0.00002611	0.0233081	mg/L	0.00326382	14.00%
Ca 315.887†	13190.1	8.25606	mg/L	0.056639	1032.01	mg/L	7.080	0.69%
Cd 214.437†	-6.2	-0.0011846	mg/L	0.00009151	-0.148077	mg/L	0.0114390	7.73%
Ce 413.764†	47.1	0.0012008	mg/L	0.00132791	0.150104	mg/L	0.1659888	110.58%
Co 228.616†	5.5	0.0002126	mg/L	0.00034290	0.0265743	mg/L	0.04286281	161.29%
Cr 205.557†	10.2	0.0007487	mg/L	0.00057656	0.0935918	mg/L	0.07206941	77.00%
Cu 327.397†	4.9	-0.0030725	mg/L	0.00051348	-0.384057	mg/L	0.0641852	16.71%
Fe 238.204†	2710.4	1.06195	mg/L	0.007271	132.744	mg/L	0.9089	0.68%
K 766.490	76.4	0.0767845	mg/L	0.00777040	9.59806	mg/L	0.971300	10.12%
Li 670.784†	72.4	0.0036154	mg/L	0.00011098	0.451925	mg/L	0.0138729	3.07%
Mg 279.071†	1512.1	3.11532	mg/L	0.015176	389.416	mg/L	1.8970	0.49%
Mn 257.610†	10980.5	0.0708850	mg/L	0.00061988	8.86063	mg/L	0.077485	0.87%

Mo 202.031†	9.9	0.0021353 mg/L	0.00018959	0.266910 mg/L	0.0236988	8.88%
Na 589.592†	20.2	0.0050862 mg/L	0.00107196	0.635775 mg/L	0.1339946	21.08%
Ni 231.604†	3.0	-0.0006123 mg/L	0.00054681	-0.0765435 mg/L	0.06835179	89.30%
Pb 220.353†	0.3	0.0028734 mg/L	0.00628619	0.359173 mg/L	0.7857735	218.77%
Sb 217.584†	-12.2	-0.0031995 mg/L	0.00168335	-0.399933 mg/L	0.2104192	52.61%
Se 196.026†	0.5	-0.0043513 mg/L	0.01881606	-0.543914 mg/L	2.3520071	432.42%
Si 251.611†	182.3	0.0263728 mg/L	0.00232612	3.29660 mg/L	0.290766	8.82%
Sn 189.927†	-22.3	-0.0049950 mg/L	0.00144388	-0.624377 mg/L	0.1804851	28.91%
Sr 407.771†	3230.9	0.0050029 mg/L	0.00002779	0.625360 mg/L	0.0034741	0.56%
Ti 334.940†	242.9	0.0180442 mg/L	0.00009801	2.25553 mg/L	0.012251	0.54%
Tl 190.801†	-1.2	0.0009921 mg/L	0.00516680	0.124007 mg/L	0.6458499	520.82%
V 292.395†	160.1	0.0041213 mg/L	0.00019165	0.515162 mg/L	0.0239557	4.65%
Zn 206.200†	36.6	0.0026641 mg/L	0.00024586	0.333013 mg/L	0.0307319	9.23%

Sequence No.: 18 **Autosampler Location: 61**
Sample ID: 1000596-ps3 **Date Collected: 1/27/2010 2:24:43 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 25X **Sample Prep Vol:**

Replicate Data: 1000596-ps3

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	155643.7	155643.7	101.411	%			14:25:49
1	Al 396.153†	6311.2	6028.2	1.91903	mg/L	47.9759	mg/L	14:26:09
1	Ba 455.398†	3339.1	3295.9	0.0124001	mg/L	0.310003	mg/L	14:26:09
1	Ca 315.887†	68967.7	67877.4	42.5212	mg/L	1063.03	mg/L	14:25:49
1	Fe 238.204†	14275.8	14045.0	5.50229	mg/L	137.557	mg/L	14:26:09
1	K 766.490	217.8	237.6	0.321212	mg/L	8.03030	mg/L	14:26:09
1	Li 670.784†	132.0	151.2	0.0060222	mg/L	0.150555	mg/L	14:26:09
1	Mg 279.071†	7960.4	7835.4	16.1278	mg/L	403.194	mg/L	14:26:09
1	Na 589.592†	1122.3	331.0	0.0529290	mg/L	1.32322	mg/L	14:26:09
1	Sr 407.771†	17194.8	16301.2	0.0217892	mg/L	0.544730	mg/L	14:26:09
1	Ti 334.940†	1242.0	1230.7	0.0822027	mg/L	2.05507	mg/L	14:26:09
1	Sc 357.234	230690.3	230690.3	100.972	%			14:26:41
1	Ag 328.068†	-213.9	-185.7	-0.0000133	mg/L	-0.0003324	mg/L	14:26:41
1	As 188.979†	-20.4	-0.2	-0.0008273	mg/L	-0.0206813	mg/L	14:27:01
1	B 249.677†	343.2	-57.8	-0.0082215	mg/L	-0.205538	mg/L	14:27:01
1	Be 234.861†	-340.5	457.5	0.0003217	mg/L	0.0080415	mg/L	14:26:41
1	Cd 214.437†	223.0	21.4	-0.0011069	mg/L	-0.0276733	mg/L	14:27:01
1	Ce 413.764†	553.3	225.0	0.0057407	mg/L	0.143518	mg/L	14:26:41
1	Co 228.616†	-45.9	28.1	0.0033293	mg/L	0.0832318	mg/L	14:27:01
1	Cr 205.557†	33.1	56.0	0.0049195	mg/L	0.122988	mg/L	14:27:01
1	Cu 327.397†	427.1	168.1	0.0020258	mg/L	0.0506460	mg/L	14:26:41
1	Mn 257.610†	56204.7	55482.1	0.358902	mg/L	8.97254	mg/L	14:26:41
1	Mo 202.031†	133.7	51.2	0.0072207	mg/L	0.180517	mg/L	14:27:01
1	Ni 231.604†	511.4	67.9	0.0046211	mg/L	0.115528	mg/L	14:27:01
1	Pb 220.353†	-23.9	1.2	0.0033889	mg/L	0.0847231	mg/L	14:27:01
1	Sb 217.584†	-83.7	-29.9	-0.0032663	mg/L	-0.0816567	mg/L	14:27:01
1	Se 196.026†	-44.6	-4.0	-0.0084418	mg/L	-0.211046	mg/L	14:27:01
1	Si 251.611†	3699.0	2935.0	0.275140	mg/L	6.87849	mg/L	14:27:01
1	Sn 189.927†	-72.0	-86.5	-0.0259324	mg/L	-0.648311	mg/L	14:27:01
1	Tl 190.801†	-40.5	-2.5	0.0001392	mg/L	0.0034799	mg/L	14:27:01
1	V 292.395†	-937.0	386.6	0.0084165	mg/L	0.210412	mg/L	14:27:01
1	Zn 206.200†	79.2	143.8	0.0122672	mg/L	0.306680	mg/L	14:27:01
2	Y 360.076	156612.9	156612.9	102.042	%			14:26:14
2	Al 396.153†	6283.3	5962.3	1.89801	mg/L	47.4503	mg/L	14:26:34
2	Ba 455.398†	3346.0	3282.3	0.0123536	mg/L	0.308840	mg/L	14:26:34
2	Ca 315.887†	69191.7	67676.0	42.3951	mg/L	1059.88	mg/L	14:26:14
2	Fe 238.204†	14242.4	13925.2	5.45537	mg/L	136.384	mg/L	14:26:34
2	K 766.490	205.1	224.9	0.301942	mg/L	7.54856	mg/L	14:26:34
2	Li 670.784†	133.7	152.0	0.0060474	mg/L	0.151185	mg/L	14:26:34
2	Mg 279.071†	7913.4	7740.8	15.9331	mg/L	398.328	mg/L	14:26:34
2	Na 589.592†	1128.5	330.3	0.0528166	mg/L	1.32042	mg/L	14:26:34
2	Sr 407.771†	17100.6	16104.0	0.0215359	mg/L	0.538397	mg/L	14:26:34
2	Ti 334.940†	1246.0	1227.0	0.0819618	mg/L	2.04905	mg/L	14:26:34
2	Sc 357.234	229623.8	229623.8	100.505	%			14:27:06
2	Ag 328.068†	-173.9	-146.9	0.0005897	mg/L	0.0147418	mg/L	14:27:06
2	As 188.979†	-17.3	2.8	0.0038806	mg/L	0.0970140	mg/L	14:27:26

2	B 249.677†	333.1	-66.3	-0.0086845 mg/L	-0.217111 mg/L	14:27:26
2	Be 234.861†	-393.7	403.0	0.0000770 mg/L	0.0019247 mg/L	14:27:06
2	Cd 214.437†	209.7	9.3	-0.0015340 mg/L	-0.0383503 mg/L	14:27:26
2	Ce 413.764†	611.7	285.7	0.0072977 mg/L	0.182443 mg/L	14:27:06
2	Co 228.616†	-49.1	24.7	0.0028193 mg/L	0.0704825 mg/L	14:27:26
2	Cr 205.557†	24.7	47.8	0.0042128 mg/L	0.105319 mg/L	14:27:26
2	Cu 327.397†	409.9	152.9	0.0015547 mg/L	0.0388679 mg/L	14:27:06
2	Mn 257.610†	56474.4	56009.0	0.362308 mg/L	9.05771 mg/L	14:27:06
2	Mo 202.031†	139.5	57.6	0.0080068 mg/L	0.200170 mg/L	14:27:26
2	Ni 231.604†	508.2	67.1	0.0045558 mg/L	0.113896 mg/L	14:27:26
2	Pb 220.353†	-28.1	-3.1	0.0012122 mg/L	0.0303044 mg/L	14:27:26
2	Sb 217.584†	-92.9	-39.5	-0.0106833 mg/L	-0.267082 mg/L	14:27:26
2	Se 196.026†	-43.2	-2.7	-0.0058945 mg/L	-0.147363 mg/L	14:27:26
2	Si 251.611†	3637.3	2890.6	0.271110 mg/L	6.77776 mg/L	14:27:26
2	Sn 189.927†	-75.6	-90.4	-0.0277136 mg/L	-0.692841 mg/L	14:27:26
2	Tl 190.801†	-40.1	-2.2	0.0004507 mg/L	0.0112682 mg/L	14:27:26
2	V 292.395†	-920.8	398.5	0.0087010 mg/L	0.217524 mg/L	14:27:26
2	Zn 206.200†	82.8	147.7	0.0126472 mg/L	0.316179 mg/L	14:27:26

Mean Data: 1000596-ps3

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	230157.0	100.739	%	0.3301				0.33%
Y 360.076	156128.3	101.726	%	0.4465				0.44%
Ag 328.068†	-166.3	0.0002882	mg/L	0.00042636	0.0072047	mg/L	0.01065909	147.95%
Al 396.153†	5995.2	1.90852	mg/L	0.014865	47.7131	mg/L	0.37162	0.78%
As 188.979†	1.3	0.0015267	mg/L	0.00332893	0.0381664	mg/L	0.08322314	218.05%
B 249.677†	-62.0	-0.0084530	mg/L	0.00032735	-0.211325	mg/L	0.0081837	3.87%
Ba 455.398†	3289.1	0.0123769	mg/L	0.00003291	0.309422	mg/L	0.0008227	0.27%
Be 234.861†	430.2	0.0001993	mg/L	0.00017301	0.0049831	mg/L	0.00432520	86.80%
Ca 315.887†	67776.7	42.4581	mg/L	0.08921	1061.45	mg/L	2.230	0.21%
Cd 214.437†	15.4	-0.0013205	mg/L	0.00030199	-0.0330118	mg/L	0.00754974	22.87%
Ce 413.764†	255.3	0.0065192	mg/L	0.00110096	0.162980	mg/L	0.0275239	16.89%
Co 228.616†	26.4	0.0030743	mg/L	0.00036061	0.0768572	mg/L	0.00901513	11.73%
Cr 205.557†	51.9	0.0045662	mg/L	0.00049975	0.114154	mg/L	0.0124937	10.94%
Cu 327.397†	160.5	0.0017903	mg/L	0.00033313	0.0447569	mg/L	0.00832835	18.61%
Fe 238.204†	13985.1	5.47883	mg/L	0.033179	136.971	mg/L	0.8295	0.61%
K 766.490	231.2	0.311577	mg/L	0.0136257	7.78943	mg/L	0.340642	4.37%
Li 670.784†	151.6	0.0060348	mg/L	0.00001782	0.150870	mg/L	0.0004455	0.30%
Mg 279.071†	7788.1	16.0304	mg/L	0.13765	400.761	mg/L	3.4411	0.86%
Mn 257.610†	55745.6	0.360605	mg/L	0.0024089	9.01513	mg/L	0.060221	0.67%
Mo 202.031†	54.4	0.0076137	mg/L	0.00055588	0.190344	mg/L	0.0138969	7.30%
Na 589.592†	330.7	0.0528728	mg/L	0.00007944	1.32182	mg/L	0.001986	0.15%
Ni 231.604†	67.5	0.0045885	mg/L	0.00004617	0.114712	mg/L	0.0011544	1.01%
Pb 220.353†	-0.9	0.0023006	mg/L	0.00153919	0.0575138	mg/L	0.03847987	66.91%
Sb 217.584†	-34.7	-0.0069748	mg/L	0.00524461	-0.174369	mg/L	0.1311151	75.19%
Se 196.026†	-3.4	-0.0071682	mg/L	0.00180121	-0.179204	mg/L	0.0450304	25.13%
Si 251.611†	2912.8	0.273125	mg/L	0.0028492	6.82813	mg/L	0.071229	1.04%
Sn 189.927†	-88.4	-0.0268230	mg/L	0.00125949	-0.670576	mg/L	0.0314872	4.70%
Sr 407.771†	16202.6	0.0216625	mg/L	0.00017912	0.541563	mg/L	0.0044779	0.83%
Ti 334.940†	1228.9	0.0820823	mg/L	0.00017031	2.05206	mg/L	0.004258	0.21%
Tl 190.801†	-2.4	0.0002950	mg/L	0.00022029	0.0073740	mg/L	0.00550716	74.68%
V 292.395†	392.6	0.0085587	mg/L	0.00020115	0.213968	mg/L	0.0050288	2.35%
Zn 206.200†	145.8	0.0124572	mg/L	0.00026867	0.311429	mg/L	0.0067168	2.16%

Sequence No.: 19
Sample ID: 0A27004-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 1/27/2010 2:28:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A27004-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	158221.4	158221.4	103.090	%			14:29:46
1	Al 396.153†	8387.1	7940.5	2.51096	mg/L	2.51096	mg/L	14:30:06
1	Ba 455.398†	149298.3	144826.5	0.498385	mg/L	0.498385	mg/L	14:29:46
1	Ca 315.887†	8441.7	8057.6	5.04023	mg/L	5.04023	mg/L	14:30:06

1	Fe 238.204†	1372.8	1299.4	0.508627 mg/L	0.508627 mg/L	14:30:06
1	K 766.490	3374.0	3393.8	5.10628 mg/L	5.10628 mg/L	14:30:06
1	Li 670.784†	16824.7	16341.4	0.500465 mg/L	0.500465 mg/L	14:30:06
1	Mg 279.071†	2534.0	2443.8	5.03256 mg/L	5.03256 mg/L	14:30:06
1	Na 589.592†	34271.8	32468.9	4.99921 mg/L	4.99921 mg/L	14:29:46
1	Sr 407.771†	399338.5	386714.2	0.497513 mg/L	0.497513 mg/L	14:29:46
1	Ti 334.940†	7924.7	7693.1	0.501943 mg/L	0.501943 mg/L	14:30:06
1	Sc 357.234	233710.1	233710.1	102.294 %		14:30:37
1	Ag 328.068†	32282.6	31584.9	0.492668 mg/L	0.492668 mg/L	14:30:37
1	As 188.979†	1608.2	1592.2	2.48699 mg/L	2.48699 mg/L	14:30:57
1	B 249.677†	9633.5	9019.8	0.480667 mg/L	0.480667 mg/L	14:30:37
1	Be 234.861†	9872.8	10446.2	0.0497429 mg/L	0.0497429 mg/L	14:30:57
1	Cd 214.437†	14505.4	13980.8	0.500467 mg/L	0.500467 mg/L	14:30:57
1	Ce 413.764†	352.5	21.6	0.0004595 mg/L	0.0004595 mg/L	14:30:37
1	Co 228.616†	3322.5	3321.6	0.500146 mg/L	0.500146 mg/L	14:30:57
1	Cr 205.557†	5974.5	5863.7	0.498770 mg/L	0.498770 mg/L	14:30:57
1	Cu 327.397†	16405.7	15782.9	0.486235 mg/L	0.486235 mg/L	14:30:37
1	Mn 257.610†	78813.6	76864.9	0.497024 mg/L	0.497024 mg/L	14:30:37
1	Mo 202.031†	4232.8	4056.7	0.499720 mg/L	0.499720 mg/L	14:30:57
1	Ni 231.604†	6789.8	6199.0	0.498652 mg/L	0.498652 mg/L	14:30:57
1	Pb 220.353†	984.8	987.7	0.499683 mg/L	0.499683 mg/L	14:30:57
1	Sb 217.584†	3286.7	3265.9	2.47707 mg/L	2.47707 mg/L	14:30:57
1	Se 196.026†	1189.3	1202.8	2.50387 mg/L	2.50387 mg/L	14:30:57
1	Si 251.611†	28054.2	26696.7	2.41493 mg/L	2.41493 mg/L	14:30:37
1	Sn 189.927†	5657.4	5515.3	2.44813 mg/L	2.44813 mg/L	14:30:57
1	Tl 190.801†	2147.4	2136.9	2.49795 mg/L	2.49795 mg/L	14:30:57
1	V 292.395†	21078.5	21920.5	0.498675 mg/L	0.498675 mg/L	14:30:37
1	Zn 206.200†	5345.0	5290.5	0.504326 mg/L	0.504326 mg/L	14:30:57
2	Y 360.076	160397.8	160397.8	104.508 %		14:30:11
2	Al 396.153†	8371.0	7814.7	2.47098 mg/L	2.47098 mg/L	14:30:31
2	Ba 455.398†	150801.9	144300.1	0.496577 mg/L	0.496577 mg/L	14:30:11
2	Ca 315.887†	8426.7	7932.2	4.96162 mg/L	4.96162 mg/L	14:30:31
2	Fe 238.204†	1363.4	1272.3	0.498034 mg/L	0.498034 mg/L	14:30:31
2	K 766.490	3358.9	3378.7	5.08344 mg/L	5.08344 mg/L	14:30:31
2	Li 670.784†	16764.0	16061.9	0.491929 mg/L	0.491929 mg/L	14:30:31
2	Mg 279.071†	2520.2	2397.3	4.93676 mg/L	4.93676 mg/L	14:30:31
2	Na 589.592†	34445.3	32183.9	4.95534 mg/L	4.95534 mg/L	14:30:11
2	Sr 407.771†	402928.3	384893.0	0.495174 mg/L	0.495174 mg/L	14:30:11
2	Ti 334.940†	7914.8	7579.3	0.494551 mg/L	0.494551 mg/L	14:30:31
2	Sc 357.234	238673.9	238673.9	104.466 %		14:31:02
2	Ag 328.068†	32556.8	31191.0	0.486540 mg/L	0.486540 mg/L	14:31:02
2	As 188.979†	1626.9	1577.4	2.46391 mg/L	2.46391 mg/L	14:31:22
2	B 249.677†	9777.7	8962.0	0.477559 mg/L	0.477559 mg/L	14:31:02
2	Be 234.861†	9938.9	10308.7	0.0490894 mg/L	0.0490894 mg/L	14:31:22
2	Cd 214.437†	14580.1	13757.3	0.492455 mg/L	0.492455 mg/L	14:31:22
2	Ce 413.764†	329.9	-7.2	-0.0002770 mg/L	-0.0002770 mg/L	14:31:02
2	Co 228.616†	3339.9	3270.7	0.492473 mg/L	0.492473 mg/L	14:31:22
2	Cr 205.557†	6003.8	5770.3	0.490822 mg/L	0.490822 mg/L	14:31:22
2	Cu 327.397†	16585.4	15621.4	0.481227 mg/L	0.481227 mg/L	14:31:02
2	Mn 257.610†	79631.0	76044.9	0.491720 mg/L	0.491720 mg/L	14:31:02
2	Mo 202.031†	4253.5	3990.4	0.491574 mg/L	0.491574 mg/L	14:31:22
2	Ni 231.604†	6852.2	6120.6	0.492334 mg/L	0.492334 mg/L	14:31:22
2	Pb 220.353†	1002.4	984.5	0.498085 mg/L	0.498085 mg/L	14:31:22
2	Sb 217.584†	3336.1	3246.4	2.46225 mg/L	2.46225 mg/L	14:31:22
2	Se 196.026†	1215.6	1203.9	2.50603 mg/L	2.50603 mg/L	14:31:22
2	Si 251.611†	28326.0	26386.5	2.38703 mg/L	2.38703 mg/L	14:31:02
2	Sn 189.927†	5705.2	5446.1	2.41745 mg/L	2.41745 mg/L	14:31:22
2	Tl 190.801†	2165.9	2110.9	2.46764 mg/L	2.46764 mg/L	14:31:22
2	V 292.395†	21381.7	21782.1	0.495484 mg/L	0.495484 mg/L	14:31:02
2	Zn 206.200†	5370.1	5205.9	0.496247 mg/L	0.496247 mg/L	14:31:22

Mean Data: 0A27004-CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	236192.0	103.380	%	1.5363				1.49%
Y 360.076	159309.6	103.799	%	1.0027				0.97%
Ag 328.068†	31387.9	0.489604	mg/L	0.0043326	0.489604	mg/L	0.0043326	0.88%
QC value within limits for Ag 328.068 Recovery = 97.92%								
Al 396.153†	7877.6	2.49097	mg/L	0.028271	2.49097	mg/L	0.028271	1.13%
QC value within limits for Al 396.153 Recovery = 99.64%								

As 188.979†	1584.8	2.47545 mg/L	0.016320	2.47545 mg/L	0.016320	0.66%
QC value within limits for As 188.979 Recovery = 99.02%						
B 249.677†	8990.9	0.479113 mg/L	0.0021972	0.479113 mg/L	0.0021972	0.46%
QC value within limits for B 249.677 Recovery = 95.82%						
Ba 455.398†	144563.3	0.497481 mg/L	0.0012781	0.497481 mg/L	0.0012781	0.26%
QC value within limits for Ba 455.398 Recovery = 99.50%						
Be 234.861†	10377.4	0.0494161 mg/L	0.00046208	0.0494161 mg/L	0.00046208	0.94%
QC value within limits for Be 234.861 Recovery = 98.83%						
Ca 315.887†	7994.9	5.00092 mg/L	0.055590	5.00092 mg/L	0.055590	1.11%
QC value within limits for Ca 315.887 Recovery = 100.02%						
Cd 214.437†	13869.0	0.496461 mg/L	0.0056653	0.496461 mg/L	0.0056653	1.14%
QC value within limits for Cd 214.437 Recovery = 99.29%						
Ce 413.764†	7.2	0.0000913 mg/L	0.00052079	0.0000913 mg/L	0.00052079	570.61%
Co 228.616†	3296.1	0.496310 mg/L	0.0054257	0.496310 mg/L	0.0054257	1.09%
QC value within limits for Co 228.616 Recovery = 99.26%						
Cr 205.557†	5817.0	0.494796 mg/L	0.0056200	0.494796 mg/L	0.0056200	1.14%
QC value within limits for Cr 205.557 Recovery = 98.96%						
Cu 327.397†	15702.2	0.483731 mg/L	0.0035413	0.483731 mg/L	0.0035413	0.73%
QC value within limits for Cu 327.397 Recovery = 96.75%						
Fe 238.204†	1285.9	0.503331 mg/L	0.0074903	0.503331 mg/L	0.0074903	1.49%
QC value within limits for Fe 238.204 Recovery = 100.67%						
K 766.490	3386.2	5.09486 mg/L	0.016153	5.09486 mg/L	0.016153	0.32%
QC value within limits for K 766.490 Recovery = 101.90%						
Li 670.784†	16201.6	0.496197 mg/L	0.0060354	0.496197 mg/L	0.0060354	1.22%
QC value within limits for Li 670.784 Recovery = 99.24%						
Mg 279.071†	2420.5	4.98466 mg/L	0.067740	4.98466 mg/L	0.067740	1.36%
QC value within limits for Mg 279.071 Recovery = 99.69%						
Mn 257.610†	76454.9	0.494372 mg/L	0.0037507	0.494372 mg/L	0.0037507	0.76%
QC value within limits for Mn 257.610 Recovery = 98.87%						
Mo 202.031†	4023.5	0.495647 mg/L	0.0057603	0.495647 mg/L	0.0057603	1.16%
QC value within limits for Mo 202.031 Recovery = 99.13%						
Na 589.592†	32326.4	4.97728 mg/L	0.031019	4.97728 mg/L	0.031019	0.62%
QC value within limits for Na 589.592 Recovery = 99.55%						
Ni 231.604†	6159.8	0.495493 mg/L	0.0044674	0.495493 mg/L	0.0044674	0.90%
QC value within limits for Ni 231.604 Recovery = 99.10%						
Pb 220.353†	986.1	0.498884 mg/L	0.0011299	0.498884 mg/L	0.0011299	0.23%
QC value within limits for Pb 220.353 Recovery = 99.78%						
Sb 217.584†	3256.2	2.46966 mg/L	0.010477	2.46966 mg/L	0.010477	0.42%
QC value within limits for Sb 217.584 Recovery = 98.79%						
Se 196.026†	1203.4	2.50495 mg/L	0.001523	2.50495 mg/L	0.001523	0.06%
QC value within limits for Se 196.026 Recovery = 100.20%						
Si 251.611†	26541.6	2.40098 mg/L	0.019729	2.40098 mg/L	0.019729	0.82%
QC value within limits for Si 251.611 Recovery = 96.04%						
Sn 189.927†	5480.7	2.43279 mg/L	0.021693	2.43279 mg/L	0.021693	0.89%
QC value within limits for Sn 189.927 Recovery = 97.31%						
Sr 407.771†	385803.6	0.496343 mg/L	0.0016538	0.496343 mg/L	0.0016538	0.33%
QC value within limits for Sr 407.771 Recovery = 99.27%						
Ti 334.940†	7636.2	0.498247 mg/L	0.0052266	0.498247 mg/L	0.0052266	1.05%
QC value within limits for Ti 334.940 Recovery = 99.65%						
Tl 190.801†	2123.9	2.48279 mg/L	0.021433	2.48279 mg/L	0.021433	0.86%
QC value within limits for Tl 190.801 Recovery = 99.31%						
V 292.395†	21851.3	0.497079 mg/L	0.0022565	0.497079 mg/L	0.0022565	0.45%
QC value within limits for V 292.395 Recovery = 99.42%						
Zn 206.200†	5248.2	0.500286 mg/L	0.0057129	0.500286 mg/L	0.0057129	1.14%
QC value within limits for Zn 206.200 Recovery = 100.06%						

All analyte(s) passed QC.

Sequence No.: 20
Sample ID: 0A27004-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/27/2010 2:32:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A27004-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	160106.7	160106.7	104.318	%			14:33:43
1	Al 396.153†	196.0	-7.3	-0.0143798	mg/L	-0.0143798	mg/L	14:33:43
1	Ba 455.398†	0.0	3.3	0.0010940	mg/L	0.0010940	mg/L	14:33:43

1	Ca 315.887†	132.4	-4.2	-0.0110033 mg/L	-0.0110033 mg/L	14:34:03
1	Fe 238.204†	46.1	11.9	0.0048168 mg/L	0.0048168 mg/L	14:34:03
1	K 766.490	7.0	26.8	0.0016689 mg/L	0.0016689 mg/L	14:33:43
1	Li 670.784†	-2.4	18.7	0.0019753 mg/L	0.0019753 mg/L	14:33:43
1	Mg 279.071†	18.2	3.2	0.0100520 mg/L	0.0100520 mg/L	14:34:03
1	Na 589.592†	762.4	-44.8	-0.0049150 mg/L	-0.0049150 mg/L	14:33:43
1	Sr 407.771†	820.6	132.2	0.0010232 mg/L	0.0010232 mg/L	14:33:43
1	Ti 334.940†	3.2	9.0	0.0028493 mg/L	0.0028493 mg/L	14:34:03
1	Sc 357.234	235879.0	235879.0	103.243 %		14:34:35
1	Ag 328.068†	29.3	54.5	0.0024966 mg/L	0.0024966 mg/L	14:34:35
1	As 188.979†	-17.6	3.0	0.0047907 mg/L	0.0047907 mg/L	14:34:55
1	B 249.677†	393.5	-16.5	-0.0065477 mg/L	-0.0065477 mg/L	14:34:55
1	Be 234.861†	-786.7	32.7	0.0001529 mg/L	0.0001529 mg/L	14:34:55
1	Cd 214.437†	188.6	-16.7	-0.0013449 mg/L	-0.0013449 mg/L	14:34:55
1	Ce 413.764†	409.7	73.8	0.0018931 mg/L	0.0018931 mg/L	14:34:35
1	Co 228.616†	-72.7	3.1	-0.0000699 mg/L	-0.0000699 mg/L	14:34:55
1	Cr 205.557†	-21.3	2.6	0.0000393 mg/L	0.0000393 mg/L	14:34:55
1	Cu 327.397†	243.2	-19.4	-0.0038335 mg/L	-0.0038335 mg/L	14:34:35
1	Mn 257.610†	213.3	25.1	-0.0000172 mg/L	-0.0000172 mg/L	14:34:55
1	Mo 202.031†	86.7	2.8	0.0012658 mg/L	0.0012658 mg/L	14:34:55
1	Ni 231.604†	439.1	-13.2	-0.0019208 mg/L	-0.0019208 mg/L	14:34:55
1	Pb 220.353†	-31.8	-5.9	-0.0002477 mg/L	-0.0002477 mg/L	14:34:55
1	Sb 217.584†	-57.8	-3.0	0.0005855 mg/L	0.0005855 mg/L	14:34:55
1	Se 196.026†	-32.5	8.7	0.0116288 mg/L	0.0116288 mg/L	14:34:55
1	Si 251.611†	279.0	-458.1	-0.0315043 mg/L	-0.0315043 mg/L	14:34:55
1	Sn 189.927†	27.8	11.8	0.0083273 mg/L	0.0083273 mg/L	14:34:55
1	Tl 190.801†	-35.4	3.3	0.0061537 mg/L	0.0061537 mg/L	14:34:55
1	V 292.395†	-1229.3	123.9	0.0035007 mg/L	0.0035007 mg/L	14:34:35
1	Zn 206.200†	-60.1	7.2	0.0000067 mg/L	0.0000067 mg/L	14:34:55
2	Y 360.076	155270.3	155270.3	101.167 %		14:34:08
2	Al 396.153†	201.5	3.9	-0.0107973 mg/L	-0.0107973 mg/L	14:34:08
2	Ba 455.398†	8.3	11.5	0.0011222 mg/L	0.0011222 mg/L	14:34:08
2	Ca 315.887†	112.7	-19.6	-0.0207016 mg/L	-0.0207016 mg/L	14:34:28
2	Fe 238.204†	42.7	9.9	0.0040414 mg/L	0.0040414 mg/L	14:34:28
2	K 766.490	30.9	50.7	0.0378875 mg/L	0.0378875 mg/L	14:34:08
2	Li 670.784†	-40.3	-18.8	0.0008312 mg/L	0.0008312 mg/L	14:34:08
2	Mg 279.071†	21.7	7.2	0.0182867 mg/L	0.0182867 mg/L	14:34:28
2	Na 589.592†	721.8	-62.2	-0.0075892 mg/L	-0.0075892 mg/L	14:34:08
2	Sr 407.771†	764.7	101.4	0.0009837 mg/L	0.0009837 mg/L	14:34:08
2	Ti 334.940†	-13.2	-7.1	0.0018043 mg/L	0.0018043 mg/L	14:34:28
2	Sc 357.234	227116.1	227116.1	99.4076 %		14:35:00
2	Ag 328.068†	-7.9	18.2	0.0019363 mg/L	0.0019363 mg/L	14:35:00
2	As 188.979†	-10.5	9.5	0.0149155 mg/L	0.0149155 mg/L	14:35:20
2	B 249.677†	390.6	-4.7	-0.0059119 mg/L	-0.0059119 mg/L	14:35:20
2	Be 234.861†	-784.6	5.4	0.0000227 mg/L	0.0000227 mg/L	14:35:20
2	Cd 214.437†	185.6	-12.8	-0.0012041 mg/L	-0.0012041 mg/L	14:35:20
2	Ce 413.764†	431.7	111.2	0.0028524 mg/L	0.0028524 mg/L	14:35:00
2	Co 228.616†	-68.8	4.3	0.0001083 mg/L	0.0001083 mg/L	14:35:20
2	Cr 205.557†	-34.4	-11.4	-0.0011539 mg/L	-0.0011539 mg/L	14:35:20
2	Cu 327.397†	220.2	-33.4	-0.0042696 mg/L	-0.0042696 mg/L	14:35:00
2	Mn 257.610†	212.2	32.0	0.0000273 mg/L	0.0000273 mg/L	14:35:20
2	Mo 202.031†	84.8	4.1	0.0014277 mg/L	0.0014277 mg/L	14:35:20
2	Ni 231.604†	435.5	-0.5	-0.0008952 mg/L	-0.0008952 mg/L	14:35:20
2	Pb 220.353†	-31.4	-6.6	-0.0006244 mg/L	-0.0006244 mg/L	14:35:20
2	Sb 217.584†	-56.3	-3.7	0.0000673 mg/L	0.0000673 mg/L	14:35:20
2	Se 196.026†	-43.0	-3.1	-0.0130215 mg/L	-0.0130215 mg/L	14:35:20
2	Si 251.611†	291.4	-435.2	-0.0294001 mg/L	-0.0294001 mg/L	14:35:20
2	Sn 189.927†	20.0	4.9	0.0052810 mg/L	0.0052810 mg/L	14:35:20
2	Tl 190.801†	-30.0	7.5	0.0110134 mg/L	0.0110134 mg/L	14:35:20
2	V 292.395†	-1209.1	98.3	0.0029263 mg/L	0.0029263 mg/L	14:35:00
2	Zn 206.200†	-71.5	-6.5	-0.0012996 mg/L	-0.0012996 mg/L	14:35:20

Mean Data: 0A27004-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	231497.5	101.325	%	2.7121				2.68%
Y 360.076	157688.5	102.743	%	2.2282				2.17%
Ag 328.068†	36.3	0.0022164	mg/L	0.00039621	0.0022164	mg/L	0.00039621	17.88%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-1.7	-0.0125885	mg/L	0.00253327	-0.0125885	mg/L	0.00253327	20.12%

QC value within limits for Al 396.153 Recovery = Not calculated

As 188.979†	6.3	0.0098531 mg/L	0.00715934	0.0098531 mg/L	0.00715934	72.66%
QC value within limits for As 188.979 Recovery = Not calculated							
B 249.677†	-10.6	-0.0062298 mg/L	0.00044959	-0.0062298 mg/L	0.00044959	7.22%
QC value within limits for B 249.677 Recovery = Not calculated							
Ba 455.398†	7.4	0.0011081 mg/L	0.00001996	0.0011081 mg/L	0.00001996	1.80%
QC value within limits for Ba 455.398 Recovery = Not calculated							
Be 234.861†	19.0	0.0000878 mg/L	0.00009207	0.0000878 mg/L	0.00009207	104.87%
QC value within limits for Be 234.861 Recovery = Not calculated							
Ca 315.887†	-11.9	-0.0158524 mg/L	0.00685775	-0.0158524 mg/L	0.00685775	43.26%
QC value within limits for Ca 315.887 Recovery = Not calculated							
Cd 214.437†	-14.7	-0.0012745 mg/L	0.00009953	-0.0012745 mg/L	0.00009953	7.81%
QC value within limits for Cd 214.437 Recovery = Not calculated							
Ce 413.764†	92.5	0.0023728 mg/L	0.00067831	0.0023728 mg/L	0.00067831	28.59%
Co 228.616†	3.7	0.0000192 mg/L	0.00012605	0.0000192 mg/L	0.00012605	656.41%
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr 205.557†	-4.4	-0.0005573 mg/L	0.00084369	-0.0005573 mg/L	0.00084369	151.39%
QC value within limits for Cr 205.557 Recovery = Not calculated							
Cu 327.397†	-26.4	-0.0040515 mg/L	0.00030841	-0.0040515 mg/L	0.00030841	7.61%
QC value within limits for Cu 327.397 Recovery = Not calculated							
Fe 238.204†	10.9	0.0044291 mg/L	0.00054832	0.0044291 mg/L	0.00054832	12.38%
QC value within limits for Fe 238.204 Recovery = Not calculated							
K 766.490	38.8	0.0197782 mg/L	0.02561042	0.0197782 mg/L	0.02561042	129.49%
QC value within limits for K 766.490 Recovery = Not calculated							
Li 670.784†	-0.0	0.0014032 mg/L	0.00080895	0.0014032 mg/L	0.00080895	57.65%
QC value within limits for Li 670.784 Recovery = Not calculated							
Mg 279.071†	5.2	0.0141693 mg/L	0.00582283	0.0141693 mg/L	0.00582283	41.09%
QC value within limits for Mg 279.071 Recovery = Not calculated							
Mn 257.610†	28.6	0.0000050 mg/L	0.00003145	0.0000050 mg/L	0.00003145	624.33%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	3.4	0.0013468 mg/L	0.00011451	0.0013468 mg/L	0.00011451	8.50%
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	-53.5	-0.0062521 mg/L	0.00189096	-0.0062521 mg/L	0.00189096	30.25%
QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†	-6.9	-0.0014080 mg/L	0.00072516	-0.0014080 mg/L	0.00072516	51.50%
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	-6.3	-0.0004360 mg/L	0.00026636	-0.0004360 mg/L	0.00026636	61.09%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 217.584†	-3.3	0.0003264 mg/L	0.00036647	0.0003264 mg/L	0.00036647	112.27%
QC value within limits for Sb 217.584 Recovery = Not calculated							
Se 196.026†	2.8	-0.0006963 mg/L	0.01743039	-0.0006963 mg/L	0.01743039	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	-446.7	-0.0304522 mg/L	0.00148786	-0.0304522 mg/L	0.00148786	4.89%
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	8.4	0.0068041 mg/L	0.00215405	0.0068041 mg/L	0.00215405	31.66%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	116.8	0.0010035 mg/L	0.00002795	0.0010035 mg/L	0.00002795	2.78%
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.940†	0.9	0.0023268 mg/L	0.00073887	0.0023268 mg/L	0.00073887	31.75%
QC value within limits for Ti 334.940 Recovery = Not calculated							
Tl 190.801†	5.4	0.0085835 mg/L	0.00343635	0.0085835 mg/L	0.00343635	40.03%
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.395†	111.1	0.0032135 mg/L	0.00040615	0.0032135 mg/L	0.00040615	12.64%
QC value within limits for V 292.395 Recovery = Not calculated							
Zn 206.200†	0.3	-0.0006465 mg/L	0.00092373	-0.0006465 mg/L	0.00092373	142.89%
QC value within limits for Zn 206.200 Recovery = Not calculated							

All analyte(s) passed QC.

Analytical Sequence
Method: Solid 6010C 311

Seq.	Loc.	ID	Status
1	9	0A27004-SCV	
2	1	0A27004-CCB	
3	10	0A27004-CRL1	
4	11	0A27004-IFA1	
5	12	0A27004-IFA2	
6	13	0A27004-IFB1	
7	14	0A27004-IFB2	
8	4	0A27004-CCV	
9	1	0A27004-CCB	

10	53	1001254-09	Analyzed
11	54	0A27004-srd3	Analyzed
12	55	1000576-ps2	Analyzed
13	56	1001286-07	Analyzed
14	57	0A27004-srd4	Analyzed
15	58	1000596-ps2	Analyzed
16	59	1001286-07	Analyzed
17	60	0A27004-srd5	Analyzed
18	61	1000596-ps3	Analyzed
19	4	0A27004-CCV	QC Passed
20	1	0A27004-CCB	QC Passed

Due 2/4
QAB. OA29016

TriMatrix Laboratories, Inc.

opp 85 2101

Metals Laboratory Instrument Run Sequence

Instrument #: 311
Date: 1/29/10
Analyst: DJ

Data File: OA29026
Calibration BLK/ICB/CCB: 5%HNO3/1109060/10%HCL/4109080
Internal Standard #: 0010302

Autosampler Position:

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

Analysis # / Position #	ID	Dilution			Analysis # / Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
1/17	1001226-07			25X	35/51				
2/18	~~1000916-5201~~			125X	36/52				
3/19	1000596-[illegible]			25X	37/53				
4/20					38/54				
5/21					39/55				
6/22					40/56				
7/23					41/57				
8/24					42/58				
9/25					43/59				
10/26					44/60				
11/27					45/61				
12/28					46/62				
13/29					47/63				
14/30					48/64				
15/31					49/65				
16/32					50/66				
17/33					51/67				
18/34					52/68				
19/35					53/69				
20/36					54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

==========

Analysis Begun

Start Time: 1/29/2010 11:00:18 AM **Plasma On Time: 1/29/2010 6:47:37 AM**
Logged In Analyst: analystME **Technique: ICP Continuous**
Spectrometer Model: Optima 5300 DV, S/N 077C7032601Autosampler Model: AS-93plus

Sample Information File: C:\pe\analystME\Sample Information\0A29026.sif
Batch ID:
Results Data Set: 0A29026
Results Library: C:\pe\analystME\Results\Results.mdb

==========

Method Loaded
Method Name: Solid_601
IEC File: iec-6.iec
Method Description: So

1000596-BLK/BS clone
1001286-07 (Al, Mg) 25x
+ QC
753

Analyte	C	IEC
Ag 328.068	L	Yes
Al 396.153	L	Yes
As 188.979	L	Yes
B 249.677	L	Yes
Ba 455.398	L	Yes
Be 234.861	L	Yes
Ca 315.887	L	Yes
Cd 214.437	L	Yes
Ce 413.764	L	Yes
Co 228.616	L	Yes
Cr 205.557	L	Yes
Cu 327.397	L	Yes
Fe 238.204	L	Yes
K 766.490	L	Yes
Li 670.784	L	Yes
Mg 279.071	L	Yes
Mn 257.610	L	Yes
Mo 202.031	L	Yes
Na 589.592	L	Yes
Ni 231.604	L	Yes
Pb 220.353	L	Yes
Sb 217.584	L	Yes
Sc 357.234	L	n/a
Se 196.026	L	Yes
Si 251.611	L	Yes
Sn 189.927	L	Yes
Sr 407.771	L	Yes
Ti 334.940	L	Yes
Tl 190.801	L	Yes
V 292.395	L	Yes
Y 360.076	L	n/a
Zn 206.200	L	Yes

==========

Sequence No.: 1
Sample ID: 0A29026-CAL
Analyst:
Initial Sample Wt:
Dilution:

Replicate Data: 0A2902

Repl#	Analyte
1	Y 360.076
1	Al 396.153†
1	Ba 455.398†
1	Ca 315.887†
1	Fe 238.204†
1	K 766.490
1	Li 670.784†

1	Mg 279.071†	18.4	18.5	[0.00] mg/L	11:01:44
1	Na 589.592†	905.6	911.1	[0.00] mg/L	11:01:24
1	Sr 407.771†	645.6	649.5	[0.00] mg/L	11:01:24
1	Ti 334.940†	-1.4	-1.4	[0.00] mg/L	11:01:44
1	Sc 357.234	235682.4	235682.4	100.464 %	11:02:15
1	Ag 328.068†	76.0	75.6	[0.00] mg/L	11:02:15
1	As 188.979†	-27.0	-26.8	[0.00] mg/L	11:02:35
1	B 249.677†	297.7	296.4	[0.00] mg/L	11:02:35
1	Be 234.861†	-817.2	-813.4	[0.00] mg/L	11:02:35
1	Cd 214.437†	205.3	204.3	[0.00] mg/L	11:02:35
1	Ce 413.764†	617.3	614.5	[0.00] mg/L	11:02:15
1	Co 228.616†	-71.4	-71.0	[0.00] mg/L	11:02:35
1	Cr 205.557†	-32.1	-32.0	[0.00] mg/L	11:02:35
1	Cu 327.397†	233.1	232.0	[0.00] mg/L	11:02:15
1	Mn 257.610†	201.3	200.4	[0.00] mg/L	11:02:35
1	Mo 202.031†	86.4	86.0	[0.00] mg/L	11:02:35
1	Ni 231.604†	451.5	449.4	[0.00] mg/L	11:02:35
1	Pb 220.353†	-25.8	-25.7	[0.00] mg/L	11:02:35
1	Sb 217.584†	-46.8	-46.6	[0.00] mg/L	11:02:35
1	Se 196.026†	-44.9	-44.7	[0.00] mg/L	11:02:35
1	Si 251.611†	176.3	175.5	[0.00] mg/L	11:02:35
1	Sn 189.927†	22.4	22.3	[0.00] mg/L	11:02:35
1	Tl 190.801†	-49.6	-49.4	[0.00] mg/L	11:02:35
1	V 292.395†	-1288.0	-1282.1	[0.00] mg/L	11:02:35
1	Zn 206.200†	-68.1	-67.8	[0.00] mg/L	11:02:35
2	Y 360.076	162396.2	162396.2	100.606 %	11:01:49
2	Al 396.153†	193.5	192.3	[0.00] mg/L	11:01:49
2	Ba 455.398†	69.0	68.5	[0.00] mg/L	11:01:49
2	Ca 315.887†	140.8	139.9	[0.00] mg/L	11:02:09
2	Fe 238.204†	39.5	39.2	[0.00] mg/L	11:02:09
2	K 766.490	-46.1	-46.1	[0.00] mg/L	11:01:49
2	Li 670.784†	-11.4	-11.3	[0.00] mg/L	11:01:49
2	Mg 279.071†	8.3	8.3	[0.00] mg/L	11:02:09
2	Na 589.592†	945.5	939.8	[0.00] mg/L	11:01:49
2	Sr 407.771†	659.9	655.9	[0.00] mg/L	11:01:49
2	Ti 334.940†	-3.4	-3.4	[0.00] mg/L	11:02:09
2	Sc 357.234	233504.2	233504.2	99.5358 %	11:02:40
2	Ag 328.068†	69.4	69.7	[0.00] mg/L	11:02:40
2	As 188.979†	-26.7	-26.8	[0.00] mg/L	11:03:00
2	B 249.677†	294.1	295.5	[0.00] mg/L	11:03:00
2	Be 234.861†	-834.2	-838.1	[0.00] mg/L	11:03:00
2	Cd 214.437†	205.0	205.9	[0.00] mg/L	11:03:00
2	Ce 413.764†	597.5	600.3	[0.00] mg/L	11:02:40
2	Co 228.616†	-77.7	-78.1	[0.00] mg/L	11:03:00
2	Cr 205.557†	-24.9	-25.0	[0.00] mg/L	11:03:00
2	Cu 327.397†	225.9	227.0	[0.00] mg/L	11:02:40
2	Mn 257.610†	211.7	212.7	[0.00] mg/L	11:03:00
2	Mo 202.031†	73.4	73.7	[0.00] mg/L	11:03:00
2	Ni 231.604†	455.5	457.6	[0.00] mg/L	11:03:00
2	Pb 220.353†	-34.9	-35.1	[0.00] mg/L	11:03:00
2	Sb 217.584†	-48.0	-48.3	[0.00] mg/L	11:03:00
2	Se 196.026†	-38.0	-38.1	[0.00] mg/L	11:03:00
2	Si 251.611†	172.9	173.7	[0.00] mg/L	11:03:00
2	Sn 189.927†	22.2	22.3	[0.00] mg/L	11:03:00
2	Tl 190.801†	-36.9	-37.1	[0.00] mg/L	11:03:00
2	V 292.395†	-1283.0	-1289.0	[0.00] mg/L	11:03:00
2	Zn 206.200†	-62.6	-62.9	[0.00] mg/L	11:03:00

Mean Data: 0A29026-CAL1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	234593.3	1540.22	0.66%	100.000	%
Y 360.076	161418.3	1383.07	0.86%	100.000	%
Ag 328.068†	72.7	4.19	5.77%	[0.00]	mg/L
Al 396.153†	197.8	7.73	3.91%	[0.00]	mg/L
As 188.979†	-26.8	0.03	0.11%	[0.00]	mg/L
B 249.677†	295.9	0.60	0.20%	[0.00]	mg/L
Ba 455.398†	77.3	12.40	16.04%	[0.00]	mg/L
Be 234.861†	-825.8	17.43	2.11%	[0.00]	mg/L
Ca 315.887†	137.5	3.48	2.53%	[0.00]	mg/L

Cd 214.437†	205.1	1.13	0.55%	[0.00] mg/L
Ce 413.764†	607.4	10.02	1.65%	[0.00] mg/L
Co 228.616†	-74.6	4.98	6.68%	[0.00] mg/L
Cr 205.557†	-28.5	4.89	17.16%	[0.00] mg/L
Cu 327.397†	229.5	3.56	1.55%	[0.00] mg/L
Fe 238.204†	38.2	1.52	3.99%	[0.00] mg/L
K 766.490	-34.3	16.72	48.77%	[0.00] mg/L
Li 670.784†	-8.2	4.44	54.13%	[0.00] mg/L
Mg 279.071†	13.4	7.25	54.17%	[0.00] mg/L
Mn 257.610†	206.5	8.70	4.21%	[0.00] mg/L
Mo 202.031†	79.9	8.70	10.89%	[0.00] mg/L
Na 589.592†	925.4	20.30	2.19%	[0.00] mg/L
Ni 231.604†	453.5	5.82	1.28%	[0.00] mg/L
Pb 220.353†	-30.4	6.66	21.91%	[0.00] mg/L
Sb 217.584†	-47.4	1.18	2.49%	[0.00] mg/L
Se 196.026†	-41.4	4.65	11.22%	[0.00] mg/L
Si 251.611†	174.6	1.31	0.75%	[0.00] mg/L
Sn 189.927†	22.3	0.03	0.11%	[0.00] mg/L
Sr 407.771†	652.7	4.55	0.70%	[0.00] mg/L
Ti 334.940†	-2.4	1.39	57.41%	[0.00] mg/L
Tl 190.801†	-43.3	8.70	20.10%	[0.00] mg/L
V 292.395†	-1285.5	4.90	0.38%	[0.00] mg/L
Zn 206.200†	-65.3	3.43	5.24%	[0.00] mg/L

Sequence No.: 2 **Autosampler Location: 2**
Sample ID: 0A29026-CAL2 **Date Collected: 1/29/2010 11:04:13 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A29026-CAL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.076	161614.8	161614.8	100.122	%	11:05:18
1	Al 396.153†	486.6	288.2	[0.050]	mg/L	11:05:18
1	Ba 455.398†	3135.0	3053.8	[0.010]	mg/L	11:05:18
1	Ca 315.887†	1015.0	876.3	[0.500]	mg/L	11:05:38
1	Fe 238.204†	69.2	30.9	[0.010]	mg/L	11:05:38
1	K 766.490	64.3	98.6	[0.100]	mg/L	11:05:18
1	Li 670.784†	260.7	268.6	[0.0080]	mg/L	11:05:18
1	Mg 279.071†	276.0	262.3	[0.500]	mg/L	11:05:38
1	Na 589.592†	4429.3	3498.5	[0.500]	mg/L	11:05:18
1	Sr 407.771†	40753.5	40051.2	[0.050]	mg/L	11:05:18
1	Sc 357.234	233504.5	233504.5	99.5359	%	11:06:10
1	Ag 328.068†	433.5	362.9	[0.005]	mg/L	11:06:10
1	As 188.979†	40.8	67.8	[0.100]	mg/L	11:06:30
1	B 249.677†	1575.8	1287.2	[0.050]	mg/L	11:06:30
1	Be 234.861†	-609.8	213.2	[0.0010]	mg/L	11:06:30
1	Cd 214.437†	337.2	133.6	[0.0050]	mg/L	11:06:30
1	Co 228.616†	-1.4	73.1	[0.010]	mg/L	11:06:30
1	Cr 205.557†	115.0	144.0	[0.010]	mg/L	11:06:30
1	Cu 327.397†	922.4	697.2	[0.010]	mg/L	11:06:10
1	Mn 257.610†	1849.4	1651.6	[0.010]	mg/L	11:06:30
1	Ni 231.604†	580.5	129.7	[0.010]	mg/L	11:06:30
1	Pb 220.353†	75.2	106.0	[0.050]	mg/L	11:06:30
1	Sb 217.584†	99.5	147.3	[0.100]	mg/L	11:06:30
1	Se 196.026†	7.8	49.3	[0.100]	mg/L	11:06:30
1	Si 251.611†	1582.8	1415.6	[0.100]	mg/L	11:06:30
1	Sn 189.927†	262.2	241.1	[0.100]	mg/L	11:06:30
1	Tl 190.801†	45.9	89.3	[0.100]	mg/L	11:06:30
1	V 292.395†	-833.2	448.4	[0.010]	mg/L	11:06:30
1	Zn 206.200†	47.5	113.1	[0.010]	mg/L	11:06:30
2	Y 360.076	159915.4	159915.4	99.0689	%	11:05:43
2	Al 396.153†	457.8	264.3	[0.050]	mg/L	11:05:43
2	Ba 455.398†	3132.8	3084.9	[0.010]	mg/L	11:05:43
2	Ca 315.887†	1019.5	891.6	[0.500]	mg/L	11:06:03
2	Fe 238.204†	70.7	33.2	[0.010]	mg/L	11:06:03
2	K 766.490	88.6	122.9	[0.100]	mg/L	11:05:43
2	Li 670.784†	236.2	246.6	[0.0080]	mg/L	11:05:43

2	Mg 279.071†	276.0	265.2	[0.500] mg/L	11:06:03
2	Na 589.592†	4424.8	3541.0	[0.500] mg/L	11:05:43
2	Sr 407.771†	40870.5	40601.9	[0.050] mg/L	11:05:43
2	Sc 357.234	229774.6	229774.6	97.9459 %	11:06:35
2	Ag 328.068†	425.0	361.3	[0.005] mg/L	11:06:35
2	As 188.979†	47.2	75.0	[0.100] mg/L	11:06:55
2	B 249.677†	1576.3	1313.4	[0.050] mg/L	11:06:55
2	Be 234.861†	-599.5	213.6	[0.0010] mg/L	11:06:55
2	Cd 214.437†	361.6	164.1	[0.0050] mg/L	11:06:55
2	Co 228.616†	-9.6	64.8	[0.010] mg/L	11:06:55
2	Cr 205.557†	105.8	136.5	[0.010] mg/L	11:06:55
2	Cu 327.397†	926.6	716.6	[0.010] mg/L	11:06:35
2	Mn 257.610†	1853.3	1685.7	[0.010] mg/L	11:06:55
2	Ni 231.604†	579.5	138.1	[0.010] mg/L	11:06:55
2	Pb 220.353†	86.9	119.1	[0.050] mg/L	11:06:55
2	Sb 217.584†	96.0	145.4	[0.100] mg/L	11:06:55
2	Se 196.026†	14.6	56.4	[0.100] mg/L	11:06:55
2	Si 251.611†	1592.0	1450.7	[0.100] mg/L	11:06:55
2	Sn 189.927†	254.9	237.9	[0.100] mg/L	11:06:55
2	Tl 190.801†	39.7	83.8	[0.100] mg/L	11:06:55
2	V 292.395†	-842.7	425.2	[0.010] mg/L	11:06:55
2	Zn 206.200†	45.4	111.7	[0.010] mg/L	11:06:55

Mean Data: 0A29026-CAL2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	231639.6	2637.43	1.14%	98.7409	%
Y 360.076	160765.1	1201.68	0.75%	99.5953	%
Ag 328.068†	362.1	1.14	0.32%	[0.005]	mg/L
Al 396.153†	276.3	16.95	6.13%	[0.050]	mg/L
As 188.979†	71.4	5.08	7.12%	[0.100]	mg/L
B 249.677†	1300.3	18.54	1.43%	[0.050]	mg/L
Ba 455.398†	3069.4	21.99	0.72%	[0.010]	mg/L
Be 234.861†	213.4	0.34	0.16%	[0.0010]	mg/L
Ca 315.887†	883.9	10.79	1.22%	[0.500]	mg/L
Cd 214.437†	148.9	21.54	14.47%	[0.0050]	mg/L
Co 228.616†	69.0	5.91	8.57%	[0.010]	mg/L
Cr 205.557†	140.3	5.30	3.78%	[0.010]	mg/L
Cu 327.397†	706.9	13.68	1.94%	[0.010]	mg/L
Fe 238.204†	32.1	1.63	5.09%	[0.010]	mg/L
K 766.490	110.8	17.17	15.50%	[0.100]	mg/L
Li 670.784†	257.6	15.55	6.04%	[0.0080]	mg/L
Mg 279.071†	263.7	2.01	0.76%	[0.500]	mg/L
Mn 257.610†	1668.6	24.12	1.45%	[0.010]	mg/L
Na 589.592†	3519.7	30.03	0.85%	[0.500]	mg/L
Ni 231.604†	133.9	5.92	4.42%	[0.010]	mg/L
Pb 220.353†	112.5	9.25	8.22%	[0.050]	mg/L
Sb 217.584†	146.4	1.37	0.94%	[0.100]	mg/L
Se 196.026†	52.9	5.00	9.46%	[0.100]	mg/L
Si 251.611†	1433.2	24.83	1.73%	[0.100]	mg/L
Sn 189.927†	239.5	2.28	0.95%	[0.100]	mg/L
Sr 407.771†	40326.6	389.39	0.97%	[0.050]	mg/L
Tl 190.801†	86.6	3.92	4.53%	[0.100]	mg/L
V 292.395†	436.8	16.42	3.76%	[0.010]	mg/L
Zn 206.200†	112.4	0.96	0.85%	[0.010]	mg/L

==========

Sequence No.: 3
Sample ID: 0A29026-CAL3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 1/29/2010 11:08:08 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A29026-CAL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.076	160014.9	160014.9	99.1306	%	11:09:13
1	Al 396.153†	1848.5	1666.9	[0.50]	mg/L	11:09:13
1	Ba 455.398†	30043.4	30229.5	[0.100]	mg/L	11:09:13

1	Ca 315.887†	1838.7	1717.3	[1.000] mg/L	11:09:33
1	Fe 238.204†	295.6	260.0	[0.100] mg/L	11:09:33
1	K 766.490	599.1	633.4	[1.000] mg/L	11:09:13
1	Li 670.784†	3184.4	3220.6	[0.100] mg/L	11:09:13
1	Mg 279.071†	518.5	509.6	[1.000] mg/L	11:09:33
1	Na 589.592†	7515.3	6655.8	[1.000] mg/L	11:09:13
1	Sr 407.771†	80004.5	80053.4	[0.100] mg/L	11:09:13
1	Ti 334.940†	1540.8	1556.7	[0.100] mg/L	11:09:33
1	Sc 357.234	235107.7	235107.7	100.219 %	11:10:05
1	Ag 328.068†	6633.4	6546.2	[0.100] mg/L	11:10:05
1	As 188.979†	311.9	338.0	[0.500] mg/L	11:10:25
1	B 249.677†	2347.3	2046.2	[0.100] mg/L	11:10:25
1	Be 234.861†	1388.5	2211.3	[0.010] mg/L	11:10:25
1	Cd 214.437†	3165.7	2953.6	[0.100] mg/L	11:10:25
1	Co 228.616†	604.0	677.3	[0.100] mg/L	11:10:25
1	Cr 205.557†	1232.5	1258.3	[0.100] mg/L	11:10:25
1	Cu 327.397†	3635.2	3397.8	[0.100] mg/L	11:10:05
1	Mn 257.610†	16010.0	15768.5	[0.100] mg/L	11:10:05
1	Mo 202.031†	946.1	864.2	[0.100] mg/L	11:10:25
1	Ni 231.604†	1778.2	1320.8	[0.100] mg/L	11:10:25
1	Pb 220.353†	179.4	209.4	[0.100] mg/L	11:10:25
1	Sb 217.584†	639.8	685.8	[0.500] mg/L	11:10:25
1	Se 196.026†	216.9	257.9	[0.500] mg/L	11:10:25
1	Si 251.611†	5995.0	5807.3	[0.500] mg/L	11:10:05
1	Sn 189.927†	1174.6	1149.7	[0.500] mg/L	11:10:25
1	Tl 190.801†	390.9	433.3	[0.500] mg/L	11:10:25
1	V 292.395†	3437.2	4715.3	[0.100] mg/L	11:10:05
1	Zn 206.200†	1023.1	1086.2	[0.100] mg/L	11:10:25
2	Y 360.076	160428.0	160428.0	99.3865 %	11:09:38
2	Al 396.153†	1828.2	1641.7	[0.50] mg/L	11:09:38
2	Ba 455.398†	30103.2	30211.7	[0.100] mg/L	11:09:38
2	Ca 315.887†	1841.2	1715.1	[1.000] mg/L	11:09:58
2	Fe 238.204†	294.4	258.0	[0.100] mg/L	11:09:58
2	K 766.490	626.0	660.3	[1.000] mg/L	11:09:38
2	Li 670.784†	3216.8	3244.8	[0.100] mg/L	11:09:38
2	Mg 279.071†	512.5	502.3	[1.000] mg/L	11:09:58
2	Na 589.592†	7515.3	6636.2	[1.000] mg/L	11:09:38
2	Sr 407.771†	80075.5	79917.1	[0.100] mg/L	11:09:38
2	Ti 334.940†	1557.1	1569.2	[0.100] mg/L	11:09:58
2	Sc 357.234	233775.8	233775.8	99.6515 %	11:10:30
2	Ag 328.068†	6650.3	6600.9	[0.100] mg/L	11:10:30
2	As 188.979†	315.4	343.3	[0.500] mg/L	11:10:50
2	B 249.677†	2367.8	2080.1	[0.100] mg/L	11:10:50
2	Be 234.861†	1403.8	2234.5	[0.010] mg/L	11:10:50
2	Cd 214.437†	3198.8	3004.9	[0.100] mg/L	11:10:50
2	Co 228.616†	619.3	696.0	[0.100] mg/L	11:10:50
2	Cr 205.557†	1259.6	1292.5	[0.100] mg/L	11:10:50
2	Cu 327.397†	3626.2	3409.4	[0.100] mg/L	11:10:30
2	Mn 257.610†	16112.1	15962.0	[0.100] mg/L	11:10:30
2	Mo 202.031†	951.1	874.6	[0.100] mg/L	11:10:50
2	Ni 231.604†	1775.2	1327.9	[0.100] mg/L	11:10:50
2	Pb 220.353†	183.4	214.5	[0.100] mg/L	11:10:50
2	Sb 217.584†	658.8	708.5	[0.500] mg/L	11:10:50
2	Se 196.026†	213.8	256.0	[0.500] mg/L	11:10:50
2	Si 251.611†	5932.8	5778.9	[0.500] mg/L	11:10:30
2	Sn 189.927†	1194.3	1176.1	[0.500] mg/L	11:10:50
2	Tl 190.801†	399.2	443.8	[0.500] mg/L	11:10:50
2	V 292.395†	3390.5	4687.9	[0.100] mg/L	11:10:30
2	Zn 206.200†	1050.4	1119.4	[0.100] mg/L	11:10:50

Mean Data: 0A29026-CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	234441.7	941.79	0.40%	99.9354	%
Y 360.076	160221.4	292.09	0.18%	99.2585	%
Ag 328.068†	6573.5	38.62	0.59%	[0.100]	mg/L
Al 396.153†	1654.3	17.84	1.08%	[0.50]	mg/L
As 188.979†	340.6	3.72	1.09%	[0.500]	mg/L
B 249.677†	2063.2	24.00	1.16%	[0.100]	mg/L
Ba 455.398†	30220.6	12.59	0.04%	[0.100]	mg/L

Be 234.861†	2222.9	16.44	0.74%	[0.010] mg/L
Ca 315.887†	1716.2	1.56	0.09%	[1.000] mg/L
Cd 214.437†	2979.2	36.23	1.22%	[0.100] mg/L
Co 228.616†	686.6	13.25	1.93%	[0.100] mg/L
Cr 205.557†	1275.4	24.19	1.90%	[0.100] mg/L
Cu 327.397†	3403.6	8.19	0.24%	[0.100] mg/L
Fe 238.204†	259.0	1.40	0.54%	[0.100] mg/L
K 766.490	646.8	19.03	2.94%	[1.000] mg/L
Li 670.784†	3232.7	17.16	0.53%	[0.100] mg/L
Mg 279.071†	506.0	5.20	1.03%	[1.000] mg/L
Mn 257.610†	15865.2	136.80	0.86%	[0.100] mg/L
Mo 202.031†	869.4	7.35	0.85%	[0.100] mg/L
Na 589.592†	6646.0	13.85	0.21%	[1.000] mg/L
Ni 231.604†	1324.3	5.04	0.38%	[0.100] mg/L
Pb 220.353†	211.9	3.58	1.69%	[0.100] mg/L
Sb 217.584†	697.2	16.02	2.30%	[0.500] mg/L
Se 196.026†	256.9	1.32	0.51%	[0.500] mg/L
Si 251.611†	5793.1	20.09	0.35%	[0.500] mg/L
Sn 189.927†	1162.9	18.72	1.61%	[0.500] mg/L
Sr 407.771†	79985.2	96.39	0.12%	[0.100] mg/L
Ti 334.940†	1562.9	8.84	0.57%	[0.100] mg/L
Tl 190.801†	438.6	7.43	1.69%	[0.500] mg/L
V 292.395†	4701.6	19.36	0.41%	[0.100] mg/L
Zn 206.200†	1102.8	23.49	2.13%	[0.100] mg/L

Sequence No.: 4
Sample ID: 0A29026-CAL4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 1/29/2010 11:12:04 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A29026-CAL4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.076	158842.2	158842.2	98.4041	%	11:13:10
1	Al 396.153†	8117.5	8051.3	[2.50]	mg/L	11:13:30
1	Ba 455.398†	148312.0	150639.9	[0.500]	mg/L	11:13:10
1	Ca 315.887†	8335.1	8332.8	[5.000]	mg/L	11:13:30
1	Fe 238.204†	1350.2	1333.9	[0.500]	mg/L	11:13:30
1	K 766.490	3199.2	3233.5	[5.000]	mg/L	11:13:30
1	Li 670.784†	15911.7	16178.0	[0.500]	mg/L	11:13:30
1	Mg 279.071†	2478.7	2505.5	[5.000]	mg/L	11:13:30
1	Na 589.592†	33431.8	33048.5	[5.000]	mg/L	11:13:10
1	Sr 407.771†	391341.6	397035.5	[0.500]	mg/L	11:13:10
1	Ti 334.940†	7808.2	7937.2	[0.500]	mg/L	11:13:30
1	Sc 357.234	233308.2	233308.2	99.4522	%	11:14:01
1	Ag 328.068†	33053.6	33163.0	[0.500]	mg/L	11:14:01
1	As 188.979†	1661.5	1697.4	[2.500]	mg/L	11:14:21
1	B 249.677†	9701.5	9459.0	[0.500]	mg/L	11:14:01
1	Be 234.861†	10033.5	10914.6	[0.050]	mg/L	11:14:21
1	Cd 214.437†	14691.4	14567.1	[0.500]	mg/L	11:14:21
1	Co 228.616†	3307.8	3400.6	[0.500]	mg/L	11:14:21
1	Cr 205.557†	6199.9	6262.5	[0.500]	mg/L	11:14:21
1	Cu 327.397†	16998.2	16862.3	[0.500]	mg/L	11:14:01
1	Mn 257.610†	78965.2	79193.6	[0.500]	mg/L	11:14:01
1	Mo 202.031†	4335.3	4279.2	[0.500]	mg/L	11:14:21
1	Ni 231.604†	6955.9	6540.7	[0.500]	mg/L	11:14:21
1	Pb 220.353†	998.6	1034.5	[0.500]	mg/L	11:14:21
1	Sb 217.584†	3426.3	3492.6	[2.500]	mg/L	11:14:21
1	Se 196.026†	1253.0	1301.3	[2.500]	mg/L	11:14:21
1	Si 251.611†	28918.3	28903.0	[2.500]	mg/L	11:14:01
1	Sn 189.927†	5871.4	5881.4	[2.500]	mg/L	11:14:21
1	Tl 190.801†	2101.3	2156.1	[2.500]	mg/L	11:14:21
1	V 292.395†	22353.4	23762.0	[0.500]	mg/L	11:14:01
1	Zn 206.200†	5380.1	5475.1	[0.500]	mg/L	11:14:21
2	Y 360.076	157161.0	157161.0	97.3626	%	11:13:35
2	Al 396.153†	8126.3	8148.7	[2.50]	mg/L	11:13:55
2	Ba 455.398†	148293.0	152232.7	[0.500]	mg/L	11:13:35
2	Ca 315.887†	8384.0	8473.6	[5.000]	mg/L	11:13:55

2	Fe 238.204†	1341.9	1340.0	[0.500] mg/L	11:13:55
2	K 766.490	3212.2	3246.5	[5.000] mg/L	11:13:55
2	Li 670.784†	15980.8	16421.9	[0.500] mg/L	11:13:55
2	Mg 279.071†	2491.3	2545.4	[5.000] mg/L	11:13:55
2	Na 589.592†	33505.5	33487.7	[5.000] mg/L	11:13:35
2	Sr 407.771†	391364.5	401313.2	[0.500] mg/L	11:13:35
2	Ti 334.940†	7838.4	8053.1	[0.500] mg/L	11:13:55
2	Sc 357.234	231422.7	231422.7	98.6485 %	11:14:27
2	Ag 328.068†	33039.4	33419.4	[0.500] mg/L	11:14:27
2	As 188.979†	1665.5	1715.1	[2.500] mg/L	11:14:47
2	B 249.677†	9735.9	9573.4	[0.500] mg/L	11:14:27
2	Be 234.861†	10052.3	11015.8	[0.050] mg/L	11:14:47
2	Cd 214.437†	14750.3	14747.3	[0.500] mg/L	11:14:47
2	Co 228.616†	3308.1	3428.0	[0.500] mg/L	11:14:47
2	Cr 205.557†	6217.9	6331.6	[0.500] mg/L	11:14:47
2	Cu 327.397†	16933.6	16936.1	[0.500] mg/L	11:14:27
2	Mn 257.610†	78723.0	79595.1	[0.500] mg/L	11:14:27
2	Mo 202.031†	4373.5	4353.6	[0.500] mg/L	11:14:47
2	Ni 231.604†	6977.0	6619.1	[0.500] mg/L	11:14:47
2	Pb 220.353†	1010.9	1055.1	[0.500] mg/L	11:14:47
2	Sb 217.584†	3443.4	3538.0	[2.500] mg/L	11:14:47
2	Se 196.026†	1248.6	1307.2	[2.500] mg/L	11:14:47
2	Si 251.611†	28875.2	29096.2	[2.500] mg/L	11:14:27
2	Sn 189.927†	5908.1	5966.7	[2.500] mg/L	11:14:47
2	Tl 190.801†	2122.9	2195.2	[2.500] mg/L	11:14:47
2	V 292.395†	22373.2	23965.2	[0.500] mg/L	11:14:27
2	Zn 206.200†	5402.7	5542.0	[0.500] mg/L	11:14:47

Mean Data: 0A29026-CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	232365.4	1333.26	0.57%	99.0503	%
Y 360.076	158001.6	1188.78	0.75%	97.8834	%
Ag 328.068†	33291.2	181.30	0.54%	[0.500]	mg/L
Al 396.153†	8100.0	68.81	0.85%	[2.50]	mg/L
As 188.979†	1706.3	12.52	0.73%	[2.500]	mg/L
B 249.677†	9516.2	80.92	0.85%	[0.500]	mg/L
Ba 455.398†	151436.3	1126.28	0.74%	[0.500]	mg/L
Be 234.861†	10965.2	71.59	0.65%	[0.050]	mg/L
Ca 315.887†	8403.2	99.56	1.18%	[5.000]	mg/L
Cd 214.437†	14657.2	127.38	0.87%	[0.500]	mg/L
Co 228.616†	3414.3	19.38	0.57%	[0.500]	mg/L
Cr 205.557†	6297.1	48.86	0.78%	[0.500]	mg/L
Cu 327.397†	16899.2	52.15	0.31%	[0.500]	mg/L
Fe 238.204†	1337.0	4.34	0.32%	[0.500]	mg/L
K 766.490	3240.0	9.20	0.28%	[5.000]	mg/L
Li 670.784†	16300.0	172.51	1.06%	[0.500]	mg/L
Mg 279.071†	2525.5	28.19	1.12%	[5.000]	mg/L
Mn 257.610†	79394.4	283.87	0.36%	[0.500]	mg/L
Mo 202.031†	4316.4	52.55	1.22%	[0.500]	mg/L
Na 589.592†	33268.1	310.53	0.93%	[5.000]	mg/L
Ni 231.604†	6579.9	55.44	0.84%	[0.500]	mg/L
Pb 220.353†	1044.8	14.58	1.40%	[0.500]	mg/L
Sb 217.584†	3515.3	32.11	0.91%	[2.500]	mg/L
Se 196.026†	1304.3	4.12	0.32%	[2.500]	mg/L
Si 251.611†	28999.6	136.65	0.47%	[2.500]	mg/L
Sn 189.927†	5924.1	60.33	1.02%	[2.500]	mg/L
Sr 407.771†	399174.3	3024.73	0.76%	[0.500]	mg/L
Ti 334.940†	7995.2	81.94	1.02%	[0.500]	mg/L
Tl 190.801†	2175.7	27.69	1.27%	[2.500]	mg/L
V 292.395†	23863.6	143.71	0.60%	[0.500]	mg/L
Zn 206.200†	5508.5	47.36	0.86%	[0.500]	mg/L

==========

Sequence No.: 5
Sample ID: 0A29026-CAL5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 1/29/2010 11:16:00 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A29026-CAL5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.076	159995.8	159995.8	99.1187	%	11:17:07
1	Al 396.153†	15933.0	15876.9	[5.00]	mg/L	11:17:27
1	Ba 455.398†	298145.7	300719.2	[1.000]	mg/L	11:17:07
1	Ca 315.887†	16739.7	16751.1	[10.00]	mg/L	11:17:27
1	Fe 238.204†	2674.0	2659.6	[1.000]	mg/L	11:17:27
1	K 766.490	6341.2	6375.5	[10.000]	mg/L	11:17:27
1	Li 670.784†	32146.0	32440.0	[1.000]	mg/L	11:17:07
1	Mg 279.071†	4990.1	5021.1	[10.000]	mg/L	11:17:27
1	Na 589.592†	66302.8	65966.8	[10.000]	mg/L	11:17:07
1	Sr 407.771†	787103.0	793448.3	[1.000]	mg/L	11:17:07
1	Ti 334.940†	15831.2	15974.3	[1.000]	mg/L	11:17:27
1	Sc 357.234	235249.9	235249.9	100.280	%	11:17:59
1	Ag 328.068†	67238.9	66978.5	[1.000]	mg/L	11:17:59
1	As 188.979†	3379.9	3397.3	[5.000]	mg/L	11:18:19
1	B 249.677†	19715.2	19364.2	[1.000]	mg/L	11:18:19
1	Be 234.861†	21040.4	21807.4	[0.100]	mg/L	11:18:19
1	Cd 214.437†	29309.5	29022.6	[1.000]	mg/L	11:18:19
1	Ce 413.764†	37662.4	36949.9	[1.000]	mg/L	11:17:59
1	Co 228.616†	6700.1	6755.9	[1.000]	mg/L	11:18:19
1	Cr 205.557†	12448.2	12442.0	[1.000]	mg/L	11:18:19
1	Cu 327.397†	34239.8	33914.7	[1.000]	mg/L	11:17:59
1	Mn 257.610†	158312.6	157664.2	[1.000]	mg/L	11:17:59
1	Mo 202.031†	8666.3	8562.2	[1.000]	mg/L	11:18:19
1	Ni 231.604†	13488.9	12997.7	[1.000]	mg/L	11:18:19
1	Pb 220.353†	2032.0	2056.7	[1.000]	mg/L	11:18:19
1	Sb 217.584†	6936.8	6964.9	[5.000]	mg/L	11:18:19
1	Se 196.026†	2518.9	2553.3	[5.000]	mg/L	11:18:19
1	Si 251.611†	57833.7	57497.7	[5.000]	mg/L	11:17:59
1	Sn 189.927†	11836.1	11780.7	[5.000]	mg/L	11:18:19
1	Tl 190.801†	4290.4	4321.7	[5.000]	mg/L	11:18:19
1	V 292.395†	46549.3	47704.9	[1.000]	mg/L	11:17:59
1	Zn 206.200†	10847.3	10882.4	[1.000]	mg/L	11:18:19
2	Y 360.076	160637.2	160637.2	99.5161	%	11:17:32
2	Al 396.153†	15956.7	15836.5	[5.00]	mg/L	11:17:52
2	Ba 455.398†	297837.0	299208.0	[1.000]	mg/L	11:17:32
2	Ca 315.887†	16755.5	16699.5	[10.00]	mg/L	11:17:52
2	Fe 238.204†	2676.0	2650.9	[1.000]	mg/L	11:17:52
2	K 766.490	6373.0	6407.3	[10.000]	mg/L	11:17:52
2	Li 670.784†	32110.2	32274.6	[1.000]	mg/L	11:17:32
2	Mg 279.071†	4986.6	4997.4	[10.000]	mg/L	11:17:52
2	Na 589.592†	66230.4	65627.0	[10.000]	mg/L	11:17:32
2	Sr 407.771†	785321.7	788487.6	[1.000]	mg/L	11:17:32
2	Ti 334.940†	15867.4	15947.0	[1.000]	mg/L	11:17:52
2	Sc 357.234	236530.0	236530.0	100.826	%	11:18:24
2	Ag 328.068†	66679.9	66061.2	[1.000]	mg/L	11:18:24
2	As 188.979†	3365.6	3364.9	[5.000]	mg/L	11:18:44
2	B 249.677†	19731.9	19274.4	[1.000]	mg/L	11:18:44
2	Be 234.861†	21000.9	21654.7	[0.100]	mg/L	11:18:44
2	Cd 214.437†	29260.3	28815.6	[1.000]	mg/L	11:18:44
2	Ce 413.764†	37179.8	36268.0	[1.000]	mg/L	11:18:24
2	Co 228.616†	6675.5	6695.4	[1.000]	mg/L	11:18:44
2	Cr 205.557†	12430.8	12357.5	[1.000]	mg/L	11:18:44
2	Cu 327.397†	33923.5	33416.2	[1.000]	mg/L	11:18:24
2	Mn 257.610†	156993.8	155501.9	[1.000]	mg/L	11:18:24
2	Mo 202.031†	8624.3	8473.8	[1.000]	mg/L	11:18:44
2	Ni 231.604†	13450.8	12887.2	[1.000]	mg/L	11:18:44
2	Pb 220.353†	2030.8	2044.6	[1.000]	mg/L	11:18:44
2	Sb 217.584†	6896.5	6887.4	[5.000]	mg/L	11:18:44
2	Se 196.026†	2525.0	2545.7	[5.000]	mg/L	11:18:44
2	Si 251.611†	57286.9	56643.3	[5.000]	mg/L	11:18:24
2	Sn 189.927†	11816.7	11697.6	[5.000]	mg/L	11:18:44
2	Tl 190.801†	4279.2	4287.4	[5.000]	mg/L	11:18:44
2	V 292.395†	46008.9	46917.7	[1.000]	mg/L	11:18:24
2	Zn 206.200†	10817.7	10794.4	[1.000]	mg/L	11:18:44

Mean Data: 0A29026-CAL5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	235889.9	905.13	0.38%	100.553	%
Y 360.076	160316.5	453.55	0.28%	99.3174	%
Ag 328.068†	66519.9	648.63	0.98%	[1.000]	mg/L
Al 396.153†	15856.7	28.54	0.18%	[5.00]	mg/L
As 188.979†	3381.1	22.94	0.68%	[5.000]	mg/L
B 249.677†	19319.3	63.54	0.33%	[1.000]	mg/L
Ba 455.398†	299963.6	1068.59	0.36%	[1.000]	mg/L
Be 234.861†	21731.1	107.98	0.50%	[0.100]	mg/L
Ca 315.887†	16725.3	36.44	0.22%	[10.00]	mg/L
Cd 214.437†	28919.1	146.36	0.51%	[1.000]	mg/L
Ce 413.764†	36608.9	482.16	1.32%	[1.000]	mg/L
Co 228.616†	6725.7	42.84	0.64%	[1.000]	mg/L
Cr 205.557†	12399.7	59.71	0.48%	[1.000]	mg/L
Cu 327.397†	33665.5	352.51	1.05%	[1.000]	mg/L
Fe 238.204†	2655.2	6.17	0.23%	[1.000]	mg/L
K 766.490	6391.4	22.50	0.35%	[10.000]	mg/L
Li 670.784†	32357.3	116.96	0.36%	[1.000]	mg/L
Mg 279.071†	5009.3	16.73	0.33%	[10.000]	mg/L
Mn 257.610†	156583.0	1529.03	0.98%	[1.000]	mg/L
Mo 202.031†	8518.0	62.50	0.73%	[1.000]	mg/L
Na 589.592†	65796.9	240.29	0.37%	[10.000]	mg/L
Ni 231.604†	12942.5	78.14	0.60%	[1.000]	mg/L
Pb 220.353†	2050.6	8.55	0.42%	[1.000]	mg/L
Sb 217.584†	6926.2	54.78	0.79%	[5.000]	mg/L
Se 196.026†	2549.5	5.36	0.21%	[5.000]	mg/L
Si 251.611†	57070.5	604.16	1.06%	[5.000]	mg/L
Sn 189.927†	11739.2	58.77	0.50%	[5.000]	mg/L
Sr 407.771†	790968.0	3507.74	0.44%	[1.000]	mg/L
Ti 334.940†	15960.7	19.32	0.12%	[1.000]	mg/L
Tl 190.801†	4304.6	24.25	0.56%	[5.000]	mg/L
V 292.395†	47311.3	556.62	1.18%	[1.000]	mg/L
Zn 206.200†	10838.4	62.19	0.57%	[1.000]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	4	Lin, Calc Int	-9.4	66540	0.00000	0.999999	
Al 396.153	4	Lin, Calc Int	80.9	3166	0.00000	0.999941	
As 188.979	4	Lin, Calc Int	4.0	676.5	0.00000	0.999990	
B 249.677	4	Lin, Calc Int	132.5	19110	0.00000	0.999813	
Ba 455.398	4	Lin, Calc Int	268.4	300200	0.00000	0.999989	
Be 234.861	4	Lin, Calc Int	25.7	217400	0.00000	0.999988	
Ca 315.887	4	Lin, Calc Int	34.0	1670	0.00000	0.999995	
Cd 214.437	4	Lin, Calc Int	51.5	28940	0.00000	0.999976	
Ce 413.764	1	Lin, Calc Int	0.0	36610	0.00000	1.000000	
Co 228.616	4	Lin, Calc Int	11.1	6733	0.00000	0.999972	
Cr 205.557	4	Lin, Calc Int	27.9	12410	0.00000	0.999971	
Cu 327.397	4	Lin, Calc Int	143.3	33510	0.00000	0.999951	
Fe 238.204	4	Lin, Calc Int	1.1	2657	0.00000	0.999986	
K 766.490	4	Lin, Calc Int	23.4	638.0	0.00000	0.999964	
Li 670.784	4	Lin, Calc Int	13.6	32390	0.00000	0.999993	
Mg 279.071	4	Lin, Calc Int	8.4	500.7	0.00000	0.999991	
Mn 257.610	4	Lin, Calc Int	231.2	156700	0.00000	0.999977	
Mo 202.031	3	Lin, Calc Int	18.4	8519	0.00000	0.999976	
Na 589.592	4	Lin, Calc Int	140.9	6577	0.00000	0.999983	
Ni 231.604	4	Lin, Calc Int	23.8	12960	0.00000	0.999966	
Pb 220.353	4	Lin, Calc Int	7.8	2049	0.00000	0.999957	
Sb 217.584	4	Lin, Calc Int	10.4	1387	0.00000	0.999973	
Se 196.026	4	Lin, Calc Int	4.8	511.0	0.00000	0.999934	
Si 251.611	4	Lin, Calc Int	180.0	11410	0.00000	0.999965	
Sn 189.927	4	Lin, Calc Int	5.0	2351	0.00000	0.999988	
Sr 407.771	4	Lin, Calc Int	977.1	791300	0.00000	0.999990	
Ti 334.940	3	Lin, Calc Int	-11.9	15980	0.00000	0.999997	
Tl 190.801	4	Lin, Calc Int	5.4	861.5	0.00000	0.999985	
V 292.395	4	Lin, Calc Int	4.6	47390	0.00000	0.999989	
Zn 206.200	4	Lin, Calc Int	17.9	10850	0.00000	0.999967	

Sequence No.: 6
Sample ID: 0A29026-SCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 1/29/2010 11:19:59 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A29026-SCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	159367.0	159367.0	98.7292	%			11:21:05
1	Al 396.153†	8080.9	7987.1	2.48914	mg/L	2.48914	mg/L	11:21:26
1	Ba 455.398†	150501.9	152361.7	0.506613	mg/L	0.506613	mg/L	11:21:05
1	Ca 315.887†	8675.2	8649.4	5.15820	mg/L	5.15820	mg/L	11:21:26
1	Fe 238.204†	1390.5	1370.3	0.514619	mg/L	0.514619	mg/L	11:21:26
1	K 766.490	3197.6	3231.9	5.02889	mg/L	5.02889	mg/L	11:21:26
1	Li 670.784†	16371.8	16590.8	0.511834	mg/L	0.511834	mg/L	11:21:26
1	Mg 279.071†	2588.4	2608.4	5.19214	mg/L	5.19214	mg/L	11:21:26
1	Na 589.592†	33895.1	33406.0	5.05752	mg/L	5.05752	mg/L	11:21:05
1	Sr 407.771†	405330.6	409894.9	0.516797	mg/L	0.516797	mg/L	11:21:05
1	Ti 334.940†	8059.7	8165.9	0.511783	mg/L	0.511783	mg/L	11:21:26
1	Sc 357.234	236237.0	236237.0	100.701	%			11:21:57
1	Ag 328.068†	33545.8	33239.7	0.499929	mg/L	0.499929	mg/L	11:21:57
1	As 188.979†	1707.3	1722.3	2.53543	mg/L	2.53543	mg/L	11:22:17
1	B 249.677†	10173.9	9807.1	0.504830	mg/L	0.504830	mg/L	11:21:57
1	Be 234.861†	10398.6	11152.0	0.0509845	mg/L	0.0509845	mg/L	11:22:17
1	Cd 214.437†	15325.5	15013.8	0.516453	mg/L	0.516453	mg/L	11:22:17
1	Ce 413.764†	541.7	-69.4	-0.0019917	mg/L	-0.0019917	mg/L	11:21:57
1	Co 228.616†	3410.3	3461.1	0.511246	mg/L	0.511246	mg/L	11:22:17
1	Cr 205.557†	6537.4	6520.4	0.523052	mg/L	0.523052	mg/L	11:22:17
1	Cu 327.397†	17358.7	17008.5	0.503574	mg/L	0.503574	mg/L	11:21:57
1	Mn 257.610†	80922.8	80153.3	0.509914	mg/L	0.509914	mg/L	11:21:57
1	Mo 202.031†	4518.5	4407.2	0.515189	mg/L	0.515189	mg/L	11:22:17
1	Ni 231.604†	7295.2	6790.9	0.522349	mg/L	0.522349	mg/L	11:22:17
1	Pb 220.353†	1051.0	1074.0	0.519373	mg/L	0.519373	mg/L	11:22:17
1	Sb 217.584†	3069.1	3095.2	2.22683	mg/L	2.22683	mg/L	11:22:17
1	Se 196.026†	1285.4	1317.9	2.57003	mg/L	2.57003	mg/L	11:22:17
1	Si 251.611†	28891.7	28516.0	2.47083	mg/L	2.47083	mg/L	11:21:57
1	Sn 189.927†	6125.5	6060.6	2.57719	mg/L	2.57719	mg/L	11:22:17
1	Tl 190.801†	2203.8	2231.8	2.58661	mg/L	2.58661	mg/L	11:22:17
1	V 292.395†	22861.1	23987.6	0.511028	mg/L	0.511028	mg/L	11:21:57
1	Zn 206.200†	5578.0	5604.5	0.514713	mg/L	0.514713	mg/L	11:22:17
2	Y 360.076	161040.6	161040.6	99.7660	%			11:21:31
2	Al 396.153†	8110.5	7931.7	2.47167	mg/L	2.47167	mg/L	11:21:51
2	Ba 455.398†	150992.3	151269.1	0.502973	mg/L	0.502973	mg/L	11:21:31
2	Ca 315.887†	8694.5	8577.4	5.11515	mg/L	5.11515	mg/L	11:21:51
2	Fe 238.204†	1395.8	1360.9	0.511098	mg/L	0.511098	mg/L	11:21:51
2	K 766.490	3230.0	3264.3	5.07974	mg/L	5.07974	mg/L	11:21:51
2	Li 670.784†	16408.9	16455.6	0.507661	mg/L	0.507661	mg/L	11:21:51
2	Mg 279.071†	2608.6	2601.3	5.17804	mg/L	5.17804	mg/L	11:21:51
2	Na 589.592†	33990.4	33144.7	5.01780	mg/L	5.01780	mg/L	11:21:31
2	Sr 407.771†	406506.4	406807.0	0.512895	mg/L	0.512895	mg/L	11:21:31
2	Ti 334.940†	8100.3	8121.7	0.509021	mg/L	0.509021	mg/L	11:21:51
2	Sc 357.234	237555.3	237555.3	101.263	%			11:22:22
2	Ag 328.068†	34005.0	33508.3	0.503965	mg/L	0.503965	mg/L	11:22:22
2	As 188.979†	1717.4	1722.8	2.53626	mg/L	2.53626	mg/L	11:22:42
2	B 249.677†	10406.5	9980.8	0.513923	mg/L	0.513923	mg/L	11:22:22
2	Be 234.861†	10357.9	11054.5	0.0505374	mg/L	0.0505374	mg/L	11:22:42
2	Cd 214.437†	15294.5	14898.7	0.512481	mg/L	0.512481	mg/L	11:22:42
2	Ce 413.764†	531.5	-82.5	-0.0023475	mg/L	-0.0023475	mg/L	11:22:22
2	Co 228.616†	3401.1	3433.2	0.507108	mg/L	0.507108	mg/L	11:22:42
2	Cr 205.557†	6502.7	6450.1	0.517389	mg/L	0.517389	mg/L	11:22:42
2	Cu 327.397†	17708.9	17258.6	0.511038	mg/L	0.511038	mg/L	11:22:22
2	Mn 257.610†	82312.4	81079.6	0.515823	mg/L	0.515823	mg/L	11:22:22
2	Mo 202.031†	4519.9	4383.7	0.512426	mg/L	0.512426	mg/L	11:22:42
2	Ni 231.604†	7281.3	6737.0	0.518192	mg/L	0.518192	mg/L	11:22:42
2	Pb 220.353†	1044.9	1062.3	0.513628	mg/L	0.513628	mg/L	11:22:42
2	Sb 217.584†	3049.1	3058.5	2.20031	mg/L	2.20031	mg/L	11:22:42
2	Se 196.026†	1299.0	1324.2	2.58239	mg/L	2.58239	mg/L	11:22:42
2	Si 251.611†	29432.7	28891.1	2.50378	mg/L	2.50378	mg/L	11:22:22
2	Sn 189.927†	6100.0	6001.6	2.55208	mg/L	2.55208	mg/L	11:22:42

2	Tl 190.801†	2202.2	2218.0	2.57064 mg/L	2.57064 mg/L	11:22:42
2	V 292.395†	23224.4	24220.4	0.515916 mg/L	0.515916 mg/L	11:22:22
2	Zn 206.200†	5561.5	5557.4	0.510376 mg/L	0.510376 mg/L	11:22:42

Mean Data: 0A29026-SCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	236896.1	100.982	%	0.3974				0.39%
Y 360.076	160203.8	99.2476	%	0.73311				0.74%
Ag 328.068†	33374.0	0.501947	mg/L	0.0028538	0.501947	mg/L	0.0028538	0.57%
QC value within limits for Ag 328.068 Recovery = 100.39%								
Al 396.153†	7959.4	2.48040	mg/L	0.012352	2.48040	mg/L	0.012352	0.50%
QC value within limits for Al 396.153 Recovery = 99.22%								
As 188.979†	1722.5	2.53584	mg/L	0.000587	2.53584	mg/L	0.000587	0.02%
QC value within limits for As 188.979 Recovery = 101.43%								
B 249.677†	9894.0	0.509376	mg/L	0.0064295	0.509376	mg/L	0.0064295	1.26%
QC value within limits for B 249.677 Recovery = 101.88%								
Ba 455.398†	151815.4	0.504793	mg/L	0.0025736	0.504793	mg/L	0.0025736	0.51%
QC value within limits for Ba 455.398 Recovery = 100.96%								
Be 234.861†	11103.3	0.0507610	mg/L	0.00031615	0.0507610	mg/L	0.00031615	0.62%
QC value within limits for Be 234.861 Recovery = 101.52%								
Ca 315.887†	8613.4	5.13668	mg/L	0.030446	5.13668	mg/L	0.030446	0.59%
QC value within limits for Ca 315.887 Recovery = 102.73%								
Cd 214.437†	14956.2	0.514467	mg/L	0.0028084	0.514467	mg/L	0.0028084	0.55%
QC value within limits for Cd 214.437 Recovery = 102.89%								
Ce 413.764†	-76.0	-0.0021696	mg/L	0.00025163	-0.0021696	mg/L	0.00025163	11.60%
Co 228.616†	3447.2	0.509177	mg/L	0.0029264	0.509177	mg/L	0.0029264	0.57%
QC value within limits for Co 228.616 Recovery = 101.84%								
Cr 205.557†	6485.3	0.520221	mg/L	0.0040047	0.520221	mg/L	0.0040047	0.77%
QC value within limits for Cr 205.557 Recovery = 104.04%								
Cu 327.397†	17133.6	0.507306	mg/L	0.0052780	0.507306	mg/L	0.0052780	1.04%
QC value within limits for Cu 327.397 Recovery = 101.46%								
Fe 238.204†	1365.6	0.512859	mg/L	0.0024895	0.512859	mg/L	0.0024895	0.49%
QC value within limits for Fe 238.204 Recovery = 102.57%								
K 766.490	3248.1	5.05431	mg/L	0.035955	5.05431	mg/L	0.035955	0.71%
QC value within limits for K 766.490 Recovery = 101.09%								
Li 670.784†	16523.2	0.509747	mg/L	0.0029509	0.509747	mg/L	0.0029509	0.58%
QC value within limits for Li 670.784 Recovery = 101.95%								
Mg 279.071†	2604.8	5.18509	mg/L	0.009972	5.18509	mg/L	0.009972	0.19%
QC value within limits for Mg 279.071 Recovery = 103.70%								
Mn 257.610†	80616.4	0.512868	mg/L	0.0041787	0.512868	mg/L	0.0041787	0.81%
QC value within limits for Mn 257.610 Recovery = 102.57%								
Mo 202.031†	4395.4	0.513808	mg/L	0.0019538	0.513808	mg/L	0.0019538	0.38%
QC value within limits for Mo 202.031 Recovery = 102.76%								
Na 589.592†	33275.3	5.03766	mg/L	0.028088	5.03766	mg/L	0.028088	0.56%
QC value within limits for Na 589.592 Recovery = 100.75%								
Ni 231.604†	6764.0	0.520270	mg/L	0.0029397	0.520270	mg/L	0.0029397	0.57%
QC value within limits for Ni 231.604 Recovery = 104.05%								
Pb 220.353†	1068.2	0.516500	mg/L	0.0040627	0.516500	mg/L	0.0040627	0.79%
QC value within limits for Pb 220.353 Recovery = 103.30%								
Sb 217.584†	3076.8	2.21357	mg/L	0.018750	2.21357	mg/L	0.018750	0.85%
QC value less than the lower limit for Sb 217.584 Recovery = 88.54%								
Se 196.026†	1321.1	2.57621	mg/L	0.008737	2.57621	mg/L	0.008737	0.34%
QC value within limits for Se 196.026 Recovery = 103.05%								
Si 251.611†	28703.6	2.48731	mg/L	0.023300	2.48731	mg/L	0.023300	0.94%
QC value within limits for Si 251.611 Recovery = 99.49%								
Sn 189.927†	6031.1	2.56464	mg/L	0.017757	2.56464	mg/L	0.017757	0.69%
QC value within limits for Sn 189.927 Recovery = 102.59%								
Sr 407.771†	408351.0	0.514846	mg/L	0.0027595	0.514846	mg/L	0.0027595	0.54%
QC value within limits for Sr 407.771 Recovery = 102.97%								
Ti 334.940†	8143.8	0.510402	mg/L	0.0019531	0.510402	mg/L	0.0019531	0.38%
QC value within limits for Ti 334.940 Recovery = 102.08%								
Tl 190.801†	2224.9	2.57863	mg/L	0.011297	2.57863	mg/L	0.011297	0.44%
QC value within limits for Tl 190.801 Recovery = 103.15%								
V 292.395†	24104.0	0.513472	mg/L	0.0034561	0.513472	mg/L	0.0034561	0.67%
QC value within limits for V 292.395 Recovery = 102.69%								
Zn 206.200†	5581.0	0.512545	mg/L	0.0030664	0.512545	mg/L	0.0030664	0.60%
QC value within limits for Zn 206.200 Recovery = 102.51%								

QC Failed. Continue with analysis.

Sequence No.: 7
Sample ID: 0A29026-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/29/2010 11:23:55 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A29026-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	157785.9	157785.9	97.7497	%			11:25:01
1	Al 396.153†	193.4	0.1	-0.0255303	mg/L	-0.0255303	mg/L	11:25:01
1	Ba 455.398†	93.4	18.3	-0.0008331	mg/L	-0.0008331	mg/L	11:25:01
1	Ca 315.887†	137.2	2.9	-0.0186092	mg/L	-0.0186092	mg/L	11:25:21
1	Fe 238.204†	42.0	4.8	0.0014038	mg/L	0.0014038	mg/L	11:25:21
1	K 766.490	11.3	45.6	0.0347492	mg/L	0.0347492	mg/L	11:25:01
1	Li 670.784†	34.0	42.9	0.0009065	mg/L	0.0009065	mg/L	11:25:01
1	Mg 279.071†	14.9	1.9	-0.0131538	mg/L	-0.0131538	mg/L	11:25:21
1	Na 589.592†	878.6	-26.6	-0.0254604	mg/L	-0.0254604	mg/L	11:25:01
1	Sr 407.771†	638.2	0.2	-0.0012346	mg/L	-0.0012346	mg/L	11:25:01
1	Ti 334.940†	0.8	3.2	0.0009498	mg/L	0.0009498	mg/L	11:25:21
1	Sc 357.234	229887.2	229887.2	97.9939	%			11:25:52
1	Ag 328.068†	79.2	8.2	0.0002551	mg/L	0.0002551	mg/L	11:25:52
1	As 188.979†	-29.7	-3.5	-0.0110217	mg/L	-0.0110217	mg/L	11:26:12
1	B 249.677†	555.7	271.2	0.0072581	mg/L	0.0072581	mg/L	11:26:12
1	Be 234.861†	-816.8	-7.7	-0.0001539	mg/L	-0.0001539	mg/L	11:26:12
1	Cd 214.437†	202.4	1.4	-0.0017270	mg/L	-0.0017270	mg/L	11:26:12
1	Ce 413.764†	525.7	-71.0	-0.0019395	mg/L	-0.0019395	mg/L	11:25:52
1	Co 228.616†	-80.1	-7.2	-0.0027173	mg/L	-0.0027173	mg/L	11:26:12
1	Cr 205.557†	-35.3	-7.5	-0.0028522	mg/L	-0.0028522	mg/L	11:26:12
1	Cu 327.397†	218.9	-6.1	-0.0044570	mg/L	-0.0044570	mg/L	11:25:52
1	Mn 257.610†	210.8	8.6	-0.0014201	mg/L	-0.0014201	mg/L	11:26:12
1	Mo 202.031†	93.2	15.2	-0.0003745	mg/L	-0.0003745	mg/L	11:26:12
1	Ni 231.604†	446.3	2.0	-0.0016784	mg/L	-0.0016784	mg/L	11:26:12
1	Pb 220.353†	-25.1	4.8	-0.0014326	mg/L	-0.0014326	mg/L	11:26:12
1	Sb 217.584†	-39.2	7.4	-0.0021424	mg/L	-0.0021424	mg/L	11:26:12
1	Se 196.026†	-43.2	-2.6	-0.0145873	mg/L	-0.0145873	mg/L	11:26:12
1	Si 251.611†	259.6	90.3	-0.0078888	mg/L	-0.0078888	mg/L	11:26:12
1	Sn 189.927†	31.6	10.0	0.0021206	mg/L	0.0021206	mg/L	11:26:12
1	Tl 190.801†	-41.8	0.6	-0.0056110	mg/L	-0.0056110	mg/L	11:26:12
1	V 292.395†	-1280.0	-20.6	-0.0005359	mg/L	-0.0005359	mg/L	11:26:12
1	Zn 206.200†	-72.9	-9.1	-0.0024874	mg/L	-0.0024874	mg/L	11:26:12
2	Y 360.076	158097.0	158097.0	97.9424	%			11:25:26
2	Al 396.153†	206.8	13.4	-0.0213114	mg/L	-0.0213114	mg/L	11:25:26
2	Ba 455.398†	109.9	34.9	-0.0007777	mg/L	-0.0007777	mg/L	11:25:26
2	Ca 315.887†	139.5	4.9	-0.0173888	mg/L	-0.0173888	mg/L	11:25:46
2	Fe 238.204†	45.2	8.0	0.0025939	mg/L	0.0025939	mg/L	11:25:46
2	K 766.490	24.6	58.9	0.0555301	mg/L	0.0555301	mg/L	11:25:26
2	Li 670.784†	-9.5	-1.5	-0.0004655	mg/L	-0.0004655	mg/L	11:25:26
2	Mg 279.071†	12.4	-0.7	-0.0182162	mg/L	-0.0182162	mg/L	11:25:46
2	Na 589.592†	885.0	-21.8	-0.0247411	mg/L	-0.0247411	mg/L	11:25:26
2	Sr 407.771†	623.5	-16.1	-0.0012552	mg/L	-0.0012552	mg/L	11:25:26
2	Ti 334.940†	-6.7	-4.5	0.0004687	mg/L	0.0004687	mg/L	11:25:46
2	Sc 357.234	232184.7	232184.7	98.9733	%			11:26:17
2	Ag 328.068†	131.8	60.5	0.0010495	mg/L	0.0010495	mg/L	11:26:17
2	As 188.979†	-19.7	6.9	0.0043054	mg/L	0.0043054	mg/L	11:26:37
2	B 249.677†	537.8	247.5	0.0060166	mg/L	0.0060166	mg/L	11:26:37
2	Be 234.861†	-833.3	-16.2	-0.0001932	mg/L	-0.0001932	mg/L	11:26:37
2	Cd 214.437†	211.5	8.6	-0.0014798	mg/L	-0.0014798	mg/L	11:26:37
2	Ce 413.764†	587.1	-14.2	-0.0003878	mg/L	-0.0003878	mg/L	11:26:17
2	Co 228.616†	-72.1	1.7	-0.0013893	mg/L	-0.0013893	mg/L	11:26:37
2	Cr 205.557†	-29.1	-0.9	-0.0023219	mg/L	-0.0023219	mg/L	11:26:37
2	Cu 327.397†	228.5	1.4	-0.0042343	mg/L	-0.0042343	mg/L	11:26:17
2	Mn 257.610†	208.9	4.6	-0.0014454	mg/L	-0.0014454	mg/L	11:26:37
2	Mo 202.031†	90.0	11.1	-0.0008655	mg/L	-0.0008655	mg/L	11:26:37
2	Ni 231.604†	450.2	1.3	-0.0017301	mg/L	-0.0017301	mg/L	11:26:37
2	Pb 220.353†	-32.9	-2.8	-0.0051454	mg/L	-0.0051454	mg/L	11:26:37
2	Sb 217.584†	-43.3	3.7	-0.0048546	mg/L	-0.0048546	mg/L	11:26:37
2	Se 196.026†	-38.7	2.3	-0.0048360	mg/L	-0.0048360	mg/L	11:26:37
2	Si 251.611†	255.2	83.3	-0.0084940	mg/L	-0.0084940	mg/L	11:26:37

2	Sn 189.927†	34.3	12.3	0.0031344 mg/L	0.0031344 mg/L	11:26:37
2	Tl 190.801†	-39.8	3.0	-0.0028146 mg/L	-0.0028146 mg/L	11:26:37
2	V 292.395†	-1273.3	-1.0	-0.0001272 mg/L	-0.0001272 mg/L	11:26:37
2	Zn 206.200†	-67.7	-3.0	-0.0019299 mg/L	-0.0019299 mg/L	11:26:37

Mean Data: 0A29026-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	231036.0	98.4836	%	0.69252				0.70%
Y 360.076	157941.4	97.8461	%	0.13626				0.14%
Ag 328.068†	34.4	0.0006523	mg/L	0.00056167	0.0006523	mg/L	0.00056167	86.11%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	6.7	-0.0234208	mg/L	0.00298317	-0.0234208	mg/L	0.00298317	12.74%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	1.7	-0.0033581	mg/L	0.01083791	-0.0033581	mg/L	0.01083791	322.74%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	259.3	0.0066373	mg/L	0.00087792	0.0066373	mg/L	0.00087792	13.23%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	26.6	-0.0008054	mg/L	0.00003915	-0.0008054	mg/L	0.00003915	4.86%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	-11.9	-0.0001735	mg/L	0.00002782	-0.0001735	mg/L	0.00002782	16.03%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	3.9	-0.0179990	mg/L	0.00086299	-0.0179990	mg/L	0.00086299	4.79%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	5.0	-0.0016034	mg/L	0.00017475	-0.0016034	mg/L	0.00017475	10.90%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-42.6	-0.0011636	mg/L	0.00109721	-0.0011636	mg/L	0.00109721	94.29%
Co 228.616†	-2.8	-0.0020533	mg/L	0.00093904	-0.0020533	mg/L	0.00093904	45.73%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-4.2	-0.0025871	mg/L	0.00037497	-0.0025871	mg/L	0.00037497	14.49%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	-2.3	-0.0043456	mg/L	0.00015747	-0.0043456	mg/L	0.00015747	3.62%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	6.4	0.0019988	mg/L	0.00084156	0.0019988	mg/L	0.00084156	42.10%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	52.2	0.0451396	mg/L	0.01469436	0.0451396	mg/L	0.01469436	32.55%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	20.7	0.0002205	mg/L	0.00097013	0.0002205	mg/L	0.00097013	439.93%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	0.6	-0.0156850	mg/L	0.00357965	-0.0156850	mg/L	0.00357965	22.82%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	6.6	-0.0014327	mg/L	0.00001793	-0.0014327	mg/L	0.00001793	1.25%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	13.2	-0.0006200	mg/L	0.00034720	-0.0006200	mg/L	0.00034720	56.00%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-24.2	-0.0251007	mg/L	0.00050861	-0.0251007	mg/L	0.00050861	2.03%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	1.7	-0.0017043	mg/L	0.00003655	-0.0017043	mg/L	0.00003655	2.14%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.0	-0.0032890	mg/L	0.00262530	-0.0032890	mg/L	0.00262530	79.82%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	5.5	-0.0034985	mg/L	0.00191776	-0.0034985	mg/L	0.00191776	54.82%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-0.1	-0.0097117	mg/L	0.00689525	-0.0097117	mg/L	0.00689525	71.00%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	86.8	-0.0081914	mg/L	0.00042793	-0.0081914	mg/L	0.00042793	5.22%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	11.2	0.0026275	mg/L	0.00071689	0.0026275	mg/L	0.00071689	27.28%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	-7.9	-0.0012449	mg/L	0.00001458	-0.0012449	mg/L	0.00001458	1.17%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	-0.6	0.0007092	mg/L	0.00034019	0.0007092	mg/L	0.00034019	47.97%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.8	-0.0042128	mg/L	0.00197736	-0.0042128	mg/L	0.00197736	46.94%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	-10.8	-0.0003315	mg/L	0.00028897	-0.0003315	mg/L	0.00028897	87.16%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	-6.0	-0.0022086	mg/L	0.00039419	-0.0022086	mg/L	0.00039419	17.85%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: 0A29026-CRL1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 1/29/2010 11:27:52 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A29026-CRL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	158039.6	158039.6	97.9069	%			11:28:58
1	Al 396.153†	639.9	455.7	0.114845	mg/L	0.114845	mg/L	11:28:58
1	Ba 455.398†	6357.4	6416.0	0.0204773	mg/L	0.0204773	mg/L	11:28:58
1	Ca 315.887†	1925.8	1829.5	1.07501	mg/L	1.07501	mg/L	11:29:18
1	Fe 238.204†	98.9	62.8	0.0231604	mg/L	0.0231604	mg/L	11:29:18
1	K 766.490	109.9	144.2	0.189305	mg/L	0.189305	mg/L	11:28:58
1	Li 670.784†	556.5	576.6	0.0173828	mg/L	0.0173828	mg/L	11:28:58
1	Mg 279.071†	537.5	535.6	1.05278	mg/L	1.05278	mg/L	11:29:18
1	Na 589.592†	7898.3	7141.7	1.06439	mg/L	1.06439	mg/L	11:28:58
1	Sr 407.771†	83930.7	85072.4	0.106281	mg/L	0.106281	mg/L	11:28:58
1	Ti 334.940†	3079.2	3147.5	0.197721	mg/L	0.197721	mg/L	11:28:58
1	Sc 357.234	229466.1	229466.1	97.8144	%			11:29:49
1	Ag 328.068†	762.4	706.8	0.0107757	mg/L	0.0107757	mg/L	11:29:49
1	As 188.979†	116.6	146.0	0.208612	mg/L	0.208612	mg/L	11:30:09
1	B 249.677†	2455.6	2214.5	0.108754	mg/L	0.108754	mg/L	11:30:09
1	Be 234.861†	-360.5	457.2	0.0019762	mg/L	0.0019762	mg/L	11:30:09
1	Cd 214.437†	499.3	305.4	0.0087907	mg/L	0.0087907	mg/L	11:30:09
1	Ce 413.764†	539.2	-56.2	-0.0016050	mg/L	-0.0016050	mg/L	11:29:49
1	Co 228.616†	66.4	142.4	0.0190646	mg/L	0.0190646	mg/L	11:30:09
1	Cr 205.557†	229.6	263.3	0.0189612	mg/L	0.0189612	mg/L	11:30:09
1	Cu 327.397†	918.3	709.4	0.0170108	mg/L	0.0170108	mg/L	11:29:49
1	Mn 257.610†	3551.1	3423.9	0.0203703	mg/L	0.0203703	mg/L	11:30:09
1	Mo 202.031†	1803.0	1763.4	0.204834	mg/L	0.204834	mg/L	11:30:09
1	Ni 231.604†	729.9	292.7	0.0210904	mg/L	0.0210904	mg/L	11:30:09
1	Pb 220.353†	198.4	233.2	0.110113	mg/L	0.110113	mg/L	11:30:09
1	Sb 217.584†	240.9	293.7	0.204379	mg/L	0.204379	mg/L	11:30:09
1	Se 196.026†	71.1	114.1	0.213922	mg/L	0.213922	mg/L	11:30:09
1	Si 251.611†	2636.4	2520.7	0.200027	mg/L	0.200027	mg/L	11:30:09
1	Sn 189.927†	498.5	487.3	0.205406	mg/L	0.205406	mg/L	11:30:09
1	Tl 190.801†	134.0	180.3	0.204729	mg/L	0.204729	mg/L	11:30:09
1	V 292.395†	-401.4	875.2	0.0204199	mg/L	0.0204199	mg/L	11:30:09
1	Zn 206.200†	157.6	226.5	0.0193280	mg/L	0.0193280	mg/L	11:30:09
2	Y 360.076	160396.9	160396.9	99.3673	%			11:29:23
2	Al 396.153†	667.0	473.5	0.120469	mg/L	0.120469	mg/L	11:29:23
2	Ba 455.398†	6409.9	6373.4	0.0203356	mg/L	0.0203356	mg/L	11:29:23
2	Ca 315.887†	1933.3	1808.2	1.06224	mg/L	1.06224	mg/L	11:29:43
2	Fe 238.204†	93.3	55.8	0.0205166	mg/L	0.0205166	mg/L	11:29:43
2	K 766.490	173.2	207.5	0.288493	mg/L	0.288493	mg/L	11:29:23
2	Li 670.784†	509.1	520.5	0.0156522	mg/L	0.0156522	mg/L	11:29:23
2	Mg 279.071†	536.6	526.6	1.03484	mg/L	1.03484	mg/L	11:29:43
2	Na 589.592†	7936.0	7061.1	1.05213	mg/L	1.05213	mg/L	11:29:23
2	Sr 407.771†	83909.2	83790.8	0.104661	mg/L	0.104661	mg/L	11:29:23
2	Ti 334.940†	3060.7	3082.6	0.193664	mg/L	0.193664	mg/L	11:29:23
2	Sc 357.234	231805.5	231805.5	98.8116	%			11:30:14
2	Ag 328.068†	741.2	677.5	0.0103285	mg/L	0.0103285	mg/L	11:30:14
2	As 188.979†	123.6	151.9	0.217371	mg/L	0.217371	mg/L	11:30:34
2	B 249.677†	2471.0	2204.7	0.108248	mg/L	0.108248	mg/L	11:30:34
2	Be 234.861†	-367.8	453.5	0.0019601	mg/L	0.0019601	mg/L	11:30:34
2	Cd 214.437†	509.1	310.1	0.0089544	mg/L	0.0089544	mg/L	11:30:34
2	Ce 413.764†	499.4	-102.0	-0.0028549	mg/L	-0.0028549	mg/L	11:30:14
2	Co 228.616†	60.9	136.2	0.0181507	mg/L	0.0181507	mg/L	11:30:34
2	Cr 205.557†	232.1	263.4	0.0189703	mg/L	0.0189703	mg/L	11:30:34
2	Cu 327.397†	953.0	734.9	0.0177711	mg/L	0.0177711	mg/L	11:30:14
2	Mn 257.610†	3564.9	3401.3	0.0202258	mg/L	0.0202258	mg/L	11:30:34
2	Mo 202.031†	1812.6	1754.5	0.203796	mg/L	0.203796	mg/L	11:30:34
2	Ni 231.604†	717.7	272.8	0.0195529	mg/L	0.0195529	mg/L	11:30:34
2	Pb 220.353†	182.0	214.5	0.100990	mg/L	0.100990	mg/L	11:30:34
2	Sb 217.584†	234.7	285.0	0.198091	mg/L	0.198091	mg/L	11:30:34
2	Se 196.026†	63.7	105.9	0.197863	mg/L	0.197863	mg/L	11:30:34

2	Si 251.611†	2663.4	2520.8	0.200144 mg/L	0.200144 mg/L	11:30:34
2	Sn 189.927†	491.6	475.1	0.200245 mg/L	0.200245 mg/L	11:30:34
2	Tl 190.801†	134.0	178.8	0.203008 mg/L	0.203008 mg/L	11:30:34
2	V 292.395†	-412.9	867.7	0.0202533 mg/L	0.0202533 mg/L	11:30:34
2	Zn 206.200†	147.9	215.0	0.0182691 mg/L	0.0182691 mg/L	11:30:34

Mean Data: 0A29026-CRL1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	230635.8	98.3130	%	0.70513				0.72%
Y 360.076	159218.2	98.6371	%	1.03267				1.05%
Ag 328.068†	692.1	0.0105521	mg/L	0.00031620	0.0105521	mg/L	0.00031620	3.00%
QC value within limits for Ag 328.068 Recovery = 105.52%								
Al 396.153†	464.6	0.117657	mg/L	0.0039769	0.117657	mg/L	0.0039769	3.38%
QC value within limits for Al 396.153 Recovery = 117.66%								
As 188.979†	149.0	0.212991	mg/L	0.0061940	0.212991	mg/L	0.0061940	2.91%
QC value within limits for As 188.979 Recovery = 106.50%								
B 249.677†	2209.6	0.108501	mg/L	0.0003577	0.108501	mg/L	0.0003577	0.33%
QC value within limits for B 249.677 Recovery = 108.50%								
Ba 455.398†	6394.7	0.0204065	mg/L	0.00010023	0.0204065	mg/L	0.00010023	0.49%
QC value within limits for Ba 455.398 Recovery = 102.03%								
Be 234.861†	455.4	0.0019682	mg/L	0.00001138	0.0019682	mg/L	0.00001138	0.58%
QC value within limits for Be 234.861 Recovery = 98.41%								
Ca 315.887†	1818.8	1.06863	mg/L	0.009028	1.06863	mg/L	0.009028	0.84%
QC value within limits for Ca 315.887 Recovery = 106.86%								
Cd 214.437†	307.7	0.0088725	mg/L	0.00011577	0.0088725	mg/L	0.00011577	1.30%
QC value within limits for Cd 214.437 Recovery = 88.73%								
Ce 413.764†	-79.1	-0.0022300	mg/L	0.00088384	-0.0022300	mg/L	0.00088384	39.63%
Co 228.616†	139.3	0.0186077	mg/L	0.00064627	0.0186077	mg/L	0.00064627	3.47%
QC value within limits for Co 228.616 Recovery = 93.04%								
Cr 205.557†	263.3	0.0189657	mg/L	0.00000642	0.0189657	mg/L	0.00000642	0.03%
QC value within limits for Cr 205.557 Recovery = 94.83%								
Cu 327.397†	722.2	0.0173910	mg/L	0.00053764	0.0173910	mg/L	0.00053764	3.09%
QC value within limits for Cu 327.397 Recovery = 86.95%								
Fe 238.204†	59.3	0.0218385	mg/L	0.00186947	0.0218385	mg/L	0.00186947	8.56%
QC value within limits for Fe 238.204 Recovery = 109.19%								
K 766.490	175.9	0.238899	mg/L	0.0701366	0.238899	mg/L	0.0701366	29.36%
QC value within limits for K 766.490 Recovery = 119.45%								
Li 670.784†	548.5	0.0165175	mg/L	0.00122372	0.0165175	mg/L	0.00122372	7.41%
QC value within limits for Li 670.784 Recovery = 103.23%								
Mg 279.071†	531.1	1.04381	mg/L	0.012689	1.04381	mg/L	0.012689	1.22%
QC value within limits for Mg 279.071 Recovery = 104.38%								
Mn 257.610†	3412.6	0.0202981	mg/L	0.00010216	0.0202981	mg/L	0.00010216	0.50%
QC value within limits for Mn 257.610 Recovery = 101.49%								
Mo 202.031†	1759.0	0.204315	mg/L	0.0007340	0.204315	mg/L	0.0007340	0.36%
QC value within limits for Mo 202.031 Recovery = 102.16%								
Na 589.592†	7101.4	1.05826	mg/L	0.008668	1.05826	mg/L	0.008668	0.82%
QC value within limits for Na 589.592 Recovery = 105.83%								
Ni 231.604†	282.8	0.0203216	mg/L	0.00108715	0.0203216	mg/L	0.00108715	5.35%
QC value within limits for Ni 231.604 Recovery = 101.61%								
Pb 220.353†	223.9	0.105551	mg/L	0.0064509	0.105551	mg/L	0.0064509	6.11%
QC value within limits for Pb 220.353 Recovery = 105.55%								
Sb 217.584†	289.3	0.201235	mg/L	0.0044467	0.201235	mg/L	0.0044467	2.21%
QC value within limits for Sb 217.584 Recovery = 100.62%								
Se 196.026†	110.0	0.205892	mg/L	0.0113554	0.205892	mg/L	0.0113554	5.52%
QC value within limits for Se 196.026 Recovery = 102.95%								
Si 251.611†	2520.8	0.200086	mg/L	0.0000829	0.200086	mg/L	0.0000829	0.04%
QC value within limits for Si 251.611 Recovery = 100.04%								
Sn 189.927†	481.2	0.202825	mg/L	0.0036491	0.202825	mg/L	0.0036491	1.80%
QC value within limits for Sn 189.927 Recovery = 101.41%								
Sr 407.771†	84431.6	0.105471	mg/L	0.0011453	0.105471	mg/L	0.0011453	1.09%
QC value within limits for Sr 407.771 Recovery = 105.47%								
Ti 334.940†	3115.0	0.195692	mg/L	0.0028686	0.195692	mg/L	0.0028686	1.47%
QC value within limits for Ti 334.940 Recovery = 97.85%								
Tl 190.801†	179.6	0.203868	mg/L	0.0012169	0.203868	mg/L	0.0012169	0.60%
QC value within limits for Tl 190.801 Recovery = 101.93%								
V 292.395†	871.4	0.0203366	mg/L	0.00011775	0.0203366	mg/L	0.00011775	0.58%
QC value within limits for V 292.395 Recovery = 101.68%								
Zn 206.200†	220.7	0.0187986	mg/L	0.00074875	0.0187986	mg/L	0.00074875	3.98%
QC value within limits for Zn 206.200 Recovery = 93.99%								

All analyte(s) passed QC.

Sequence No.: 9 **Autosampler Location: 11**
Sample ID: 0A29026-IFA1 **Date Collected: 1/29/2010 11:31:50 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A29026-IFA1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	159572.9	159572.9	98.8568	%			11:32:56
1	Al 396.153†	307371.7	310728.4	98.1551	mg/L	98.1551	mg/L	11:32:56
1	Ba 455.398†	170.5	95.1	-0.0005771	mg/L	-0.0005771	mg/L	11:33:16
1	Ca 315.887†	159873.4	161584.8	96.7235	mg/L	96.7235	mg/L	11:32:56
1	Fe 238.204†	101683.5	102821.2	38.6911	mg/L	38.6911	mg/L	11:32:56
1	K 766.490	16.0	50.3	0.0420967	mg/L	0.0420967	mg/L	11:33:16
1	Li 670.784†	23.1	31.6	0.0005564	mg/L	0.0005564	mg/L	11:33:16
1	Mg 279.071†	47754.1	48293.0	96.4263	mg/L	96.4263	mg/L	11:32:56
1	Na 589.592†	959.5	45.2	-0.0145497	mg/L	-0.0145497	mg/L	11:33:16
1	Sr 407.771†	1893.0	1262.2	0.0003602	mg/L	0.0003602	mg/L	11:33:16
1	Ti 334.940†	-14.6	-12.4	-0.0000269	mg/L	-0.0000269	mg/L	11:33:16
1	Sc 357.234	228278.1	228278.1	97.3080	%			11:33:48
1	Ag 328.068†	-1430.6	-1542.8	-0.0168930	mg/L	-0.0168930	mg/L	11:33:48
1	As 188.979†	-32.3	-6.3	-0.0152070	mg/L	-0.0152070	mg/L	11:34:08
1	B 249.677†	422.3	138.1	0.0046510	mg/L	0.0046510	mg/L	11:33:48
1	Be 234.861†	2161.4	3046.9	0.0002043	mg/L	0.0002043	mg/L	11:33:48
1	Cd 214.437†	566.2	376.7	-0.0029147	mg/L	-0.0029147	mg/L	11:34:08
1	Ce 413.764†	607.8	17.2	0.0004718	mg/L	0.0004718	mg/L	11:33:48
1	Co 228.616†	-49.4	23.8	0.0005376	mg/L	0.0005376	mg/L	11:34:08
1	Cr 205.557†	-53.1	-26.1	-0.0019717	mg/L	-0.0019717	mg/L	11:34:08
1	Cu 327.397†	248.1	25.4	-0.0035164	mg/L	-0.0035164	mg/L	11:33:48
1	Mn 257.610†	322.7	125.1	0.0007782	mg/L	0.0007782	mg/L	11:33:48
1	Mo 202.031†	161.2	85.8	0.0079053	mg/L	0.0079053	mg/L	11:34:08
1	Ni 231.604†	450.8	9.7	-0.0010712	mg/L	-0.0010712	mg/L	11:34:08
1	Pb 220.353†	-58.2	-29.4	-0.0181395	mg/L	-0.0181395	mg/L	11:34:08
1	Sb 217.584†	-284.0	-244.4	-0.0675077	mg/L	-0.0675077	mg/L	11:34:08
1	Se 196.026†	-22.9	17.9	0.0712284	mg/L	0.0712284	mg/L	11:34:08
1	Si 251.611†	387.1	223.2	0.0136978	mg/L	0.0136978	mg/L	11:34:08
1	Sn 189.927†	-106.6	-131.9	-0.0371148	mg/L	-0.0371148	mg/L	11:34:08
1	Tl 190.801†	-50.1	-8.2	-0.0158805	mg/L	-0.0158805	mg/L	11:34:08
1	V 292.395†	-1047.7	208.8	-0.0026835	mg/L	-0.0026835	mg/L	11:34:08
1	Zn 206.200†	2.1	67.5	-0.0026277	mg/L	-0.0026277	mg/L	11:34:08
2	Y 360.076	159302.5	159302.5	98.6893	%			11:33:21
2	Al 396.153†	309606.1	313520.3	99.0373	mg/L	99.0373	mg/L	11:33:21
2	Ba 455.398†	205.8	131.2	-0.0004568	mg/L	-0.0004568	mg/L	11:33:41
2	Ca 315.887†	161215.0	163218.7	97.7018	mg/L	97.7018	mg/L	11:33:21
2	Fe 238.204†	102814.1	104141.5	39.1880	mg/L	39.1880	mg/L	11:33:21
2	K 766.490	30.2	64.5	0.0643986	mg/L	0.0643986	mg/L	11:33:41
2	Li 670.784†	24.4	32.9	0.0005974	mg/L	0.0005974	mg/L	11:33:41
2	Mg 279.071†	48237.5	48864.8	97.5681	mg/L	97.5681	mg/L	11:33:21
2	Na 589.592†	984.5	72.1	-0.0104562	mg/L	-0.0104562	mg/L	11:33:41
2	Sr 407.771†	1852.3	1224.2	0.0003122	mg/L	0.0003122	mg/L	11:33:41
2	Ti 334.940†	-22.2	-20.0	-0.0005072	mg/L	-0.0005072	mg/L	11:33:41
2	Sc 357.234	226920.6	226920.6	96.7294	%			11:34:13
2	Ag 328.068†	-1447.9	-1569.5	-0.0172181	mg/L	-0.0172181	mg/L	11:34:13
2	As 188.979†	-25.9	-0.0	-0.0058346	mg/L	-0.0058346	mg/L	11:34:33
2	B 249.677†	423.2	141.6	0.0048984	mg/L	0.0048984	mg/L	11:34:13
2	Be 234.861†	2107.2	3004.2	-0.0001656	mg/L	-0.0001656	mg/L	11:34:13
2	Cd 214.437†	565.1	379.0	-0.0029898	mg/L	-0.0029898	mg/L	11:34:33
2	Ce 413.764†	608.0	21.2	0.0005789	mg/L	0.0005789	mg/L	11:34:13
2	Co 228.616†	-57.1	15.5	-0.0007171	mg/L	-0.0007171	mg/L	11:34:33
2	Cr 205.557†	-47.9	-21.0	-0.0015320	mg/L	-0.0015320	mg/L	11:34:33
2	Cu 327.397†	240.8	19.5	-0.0036949	mg/L	-0.0036949	mg/L	11:34:13
2	Mn 257.610†	316.9	121.1	0.0007714	mg/L	0.0007714	mg/L	11:34:13
2	Mo 202.031†	148.6	73.8	0.0064945	mg/L	0.0064945	mg/L	11:34:33
2	Ni 231.604†	449.8	11.5	-0.0009384	mg/L	-0.0009384	mg/L	11:34:33
2	Pb 220.353†	-57.5	-29.0	-0.0179342	mg/L	-0.0179342	mg/L	11:34:33
2	Sb 217.584†	-299.1	-261.8	-0.0785591	mg/L	-0.0785591	mg/L	11:34:33

2	Se 196.026†	-19.0	21.8	0.0794550 mg/L	0.0794550 mg/L	11:34:33
2	Si 251.611†	373.0	211.1	0.0127735 mg/L	0.0127735 mg/L	11:34:33
2	Sn 189.927†	-111.0	-137.1	-0.0391140 mg/L	-0.0391140 mg/L	11:34:33
2	Tl 190.801†	-48.5	-6.8	-0.0142355 mg/L	-0.0142355 mg/L	11:34:33
2	V 292.395†	-1027.3	223.5	-0.0024783 mg/L	-0.0024783 mg/L	11:34:33
2	Zn 206.200†	-9.4	55.7	-0.0037998 mg/L	-0.0037998 mg/L	11:34:33

Mean Data: 0A29026-IFA1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	227599.4	97.0187	%	0.40916				0.42%
Y 360.076	159437.7	98.7730	%	0.11845				0.12%
Ag 328.068†	-1556.2	-0.0170556	mg/L	0.00022988	-0.0170556	mg/L	0.00022988	1.35%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	312124.4	98.5962	mg/L	0.62380	98.5962	mg/L	0.62380	0.63%
QC value within limits for Al 396.153 Recovery = 98.60%								
As 188.979†	-3.2	-0.0105208	mg/L	0.00662724	-0.0105208	mg/L	0.00662724	62.99%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	139.8	0.0047747	mg/L	0.00017495	0.0047747	mg/L	0.00017495	3.66%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	113.2	-0.0005169	mg/L	0.00008506	-0.0005169	mg/L	0.00008506	16.46%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	3025.6	0.0000194	mg/L	0.00026159	0.0000194	mg/L	0.00026159	>999.9%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	162401.8	97.2126	mg/L	0.69173	97.2126	mg/L	0.69173	0.71%
QC value within limits for Ca 315.887 Recovery = 97.21%								
Cd 214.437†	377.9	-0.0029522	mg/L	0.00005312	-0.0029522	mg/L	0.00005312	1.80%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	19.2	0.0005253	mg/L	0.00007576	0.0005253	mg/L	0.00007576	14.42%
Co 228.616†	19.7	-0.0000898	mg/L	0.00088721	-0.0000898	mg/L	0.00088721	988.38%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-23.6	-0.0017518	mg/L	0.00031088	-0.0017518	mg/L	0.00031088	17.75%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	22.4	-0.0036057	mg/L	0.00012617	-0.0036057	mg/L	0.00012617	3.50%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	103481.3	38.9395	mg/L	0.35130	38.9395	mg/L	0.35130	0.90%
QC value within limits for Fe 238.204 Recovery = 97.35%								
K 766.490	57.4	0.0532476	mg/L	0.01576986	0.0532476	mg/L	0.01576986	29.62%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	32.3	0.0005769	mg/L	0.00002901	0.0005769	mg/L	0.00002901	5.03%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	48578.9	96.9972	mg/L	0.80738	96.9972	mg/L	0.80738	0.83%
QC value within limits for Mg 279.071 Recovery = 97.00%								
Mn 257.610†	123.1	0.0007748	mg/L	0.00000486	0.0007748	mg/L	0.00000486	0.63%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	79.8	0.0071999	mg/L	0.00099761	0.0071999	mg/L	0.00099761	13.86%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	58.6	-0.0125029	mg/L	0.00289454	-0.0125029	mg/L	0.00289454	23.15%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	10.6	-0.0010048	mg/L	0.00009395	-0.0010048	mg/L	0.00009395	9.35%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-29.2	-0.0180369	mg/L	0.00014520	-0.0180369	mg/L	0.00014520	0.81%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-253.1	-0.0730334	mg/L	0.00781448	-0.0730334	mg/L	0.00781448	10.70%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	19.9	0.0753417	mg/L	0.00581704	0.0753417	mg/L	0.00581704	7.72%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	217.1	0.0132356	mg/L	0.00065355	0.0132356	mg/L	0.00065355	4.94%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-134.5	-0.0381144	mg/L	0.00141365	-0.0381144	mg/L	0.00141365	3.71%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	1243.2	0.0003362	mg/L	0.00003394	0.0003362	mg/L	0.00003394	10.09%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	-16.2	-0.0002670	mg/L	0.00033962	-0.0002670	mg/L	0.00033962	127.18%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-7.5	-0.0150580	mg/L	0.00116321	-0.0150580	mg/L	0.00116321	7.72%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	216.2	-0.0025809	mg/L	0.00014507	-0.0025809	mg/L	0.00014507	5.62%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	61.6	-0.0032137	mg/L	0.00082874	-0.0032137	mg/L	0.00082874	25.79%

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

Sequence No.: 10 **Autosampler Location: 12**
Sample ID: 0A29026-IFA2 **Date Collected: 1/29/2010 11:37:29 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A29026-IFA2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	160892.3	160892.3	99.6742	%			11:38:36
1	Al 396.153†	480.2	284.0	0.0503308	mg/L	0.0503308	mg/L	11:38:36
1	Ba 455.398†	101.2	24.3	-0.0008132	mg/L	-0.0008132	mg/L	11:38:36
1	Ca 315.887†	141.2	4.1	-0.0178573	mg/L	-0.0178573	mg/L	11:38:56
1	Fe 238.204†	38.2	0.2	-0.0089327	mg/L	-0.0089327	mg/L	11:38:56
1	K 766.490	37.7	72.0	0.0760777	mg/L	0.0760777	mg/L	11:38:36
1	Li 670.784†	117.3	125.9	0.0034682	mg/L	0.0034682	mg/L	11:38:36
1	Mg 279.071†	-67.7	-81.3	-0.179294	mg/L	-0.179294	mg/L	11:38:56
1	Na 589.592†	1346.1	425.0	0.0432020	mg/L	0.0432020	mg/L	11:38:36
1	Sr 407.771†	675.6	25.1	-0.0012032	mg/L	-0.0012032	mg/L	11:38:36
1	Ti 334.940†	312555.6	313579.7	19.6251	mg/L	19.6251	mg/L	11:38:36
1	Sc 357.234	234247.3	234247.3	99.8525	%			11:39:28
1	Ag 328.068†	-325.2	-398.3	-0.0013539	mg/L	-0.0013539	mg/L	11:39:33
1	As 188.979†	88.3	115.2	-0.0116801	mg/L	-0.0116801	mg/L	11:39:53
1	B 249.677†	622.5	327.5	0.0210264	mg/L	0.0210264	mg/L	11:39:53
1	Be 234.861†	-768.2	56.4	0.0001412	mg/L	0.0001412	mg/L	11:39:53
1	Cd 214.437†	635.2	431.1	0.0011016	mg/L	0.0011016	mg/L	11:39:33
1	Ce 413.764†	723.2	116.8	-0.0003188	mg/L	-0.0003188	mg/L	11:39:33
1	Co 228.616†	184.7	259.5	-0.0069439	mg/L	-0.0069439	mg/L	11:39:53
1	Cr 205.557†	248900.7	249296.8	20.0801	mg/L	20.0801	mg/L	11:39:28
1	Cu 327.397†	694620.0	695416.4	20.7637	mg/L	20.7637	mg/L	11:39:28
1	Mn 257.610†	3086735.4	3091087.7	19.7193	mg/L	19.7193	mg/L	11:39:28
1	Mo 202.031†	105.1	25.4	0.0008120	mg/L	0.0008120	mg/L	11:39:53
1	Ni 231.604†	265868.3	265807.4	20.5116	mg/L	20.5116	mg/L	11:39:28
1	Pb 220.353†	12.3	42.7	-0.0239286	mg/L	-0.0239286	mg/L	11:39:53
1	Sb 217.584†	-139.1	-91.9	-0.0382185	mg/L	-0.0382185	mg/L	11:39:53
1	Se 196.026†	-37.5	3.9	-0.0017344	mg/L	-0.0017344	mg/L	11:39:53
1	Si 251.611†	9505.6	9345.1	0.289493	mg/L	0.289493	mg/L	11:39:33
1	Sn 189.927†	-21.2	-43.5	-0.0206354	mg/L	-0.0206354	mg/L	11:39:53
1	Tl 190.801†	-325.0	-282.2	-0.111159	mg/L	-0.111159	mg/L	11:39:53
1	V 292.395†	952613.0	955305.4	20.1414	mg/L	20.1414	mg/L	11:39:28
1	Zn 206.200†	197.4	263.0	0.0144883	mg/L	0.0144883	mg/L	11:39:28
2	Y 360.076	160221.8	160221.8	99.2588	%			11:39:01
2	Al 396.153†	516.9	323.0	0.0625080	mg/L	0.0625080	mg/L	11:39:01
2	Ba 455.398†	113.4	37.0	-0.0007708	mg/L	-0.0007708	mg/L	11:39:01
2	Ca 315.887†	140.0	3.6	-0.0181830	mg/L	-0.0181830	mg/L	11:39:21
2	Fe 238.204†	41.7	3.9	-0.0076480	mg/L	-0.0076480	mg/L	11:39:21
2	K 766.490	32.0	66.3	0.0671773	mg/L	0.0671773	mg/L	11:39:01
2	Li 670.784†	195.8	205.4	0.0059238	mg/L	0.0059238	mg/L	11:39:01
2	Mg 279.071†	-78.8	-92.8	-0.202189	mg/L	-0.202189	mg/L	11:39:21
2	Na 589.592†	1341.3	425.9	0.0433324	mg/L	0.0433324	mg/L	11:39:01
2	Sr 407.771†	666.8	19.1	-0.0012108	mg/L	-0.0012108	mg/L	11:39:01
2	Ti 334.940†	313477.4	315820.7	19.7654	mg/L	19.7654	mg/L	11:39:01
2	Sc 357.234	231295.0	231295.0	98.5940	%			11:39:59
2	Ag 328.068†	-284.4	-361.1	-0.0007481	mg/L	-0.0007481	mg/L	11:40:04
2	As 188.979†	90.8	118.9	-0.0076835	mg/L	-0.0076835	mg/L	11:40:24
2	B 249.677†	631.9	344.9	0.0221354	mg/L	0.0221354	mg/L	11:40:24
2	Be 234.861†	-778.7	35.9	0.0000462	mg/L	0.0000462	mg/L	11:40:24
2	Cd 214.437†	680.7	485.3	0.0027964	mg/L	0.0027964	mg/L	11:40:04
2	Ce 413.764†	655.4	57.3	-0.0019499	mg/L	-0.0019499	mg/L	11:40:04
2	Co 228.616†	196.9	274.3	-0.0050660	mg/L	-0.0050660	mg/L	11:40:24
2	Cr 205.557†	248778.8	252355.0	20.3265	mg/L	20.3265	mg/L	11:39:59
2	Cu 327.397†	693460.4	703119.7	20.9937	mg/L	20.9937	mg/L	11:39:59
2	Mn 257.610†	3084265.0	3128040.4	19.9551	mg/L	19.9551	mg/L	11:39:59
2	Mo 202.031†	115.4	37.1	0.0021963	mg/L	0.0021963	mg/L	11:40:24
2	Ni 231.604†	265826.5	269163.7	20.7707	mg/L	20.7707	mg/L	11:39:59
2	Pb 220.353†	8.5	39.0	-0.0262144	mg/L	-0.0262144	mg/L	11:40:24

2	Sb 217.584†	-129.4	-83.9	-0.0320006 mg/L	-0.0320006 mg/L	11:40:24
2	Se 196.026†	-31.5	9.5	0.0091668 mg/L	0.0091668 mg/L	11:40:24
2	Si 251.611†	9726.7	9690.8	0.316132 mg/L	0.316132 mg/L	11:40:04
2	Sn 189.927†	-32.2	-55.0	-0.0255163 mg/L	-0.0255163 mg/L	11:40:24
2	Tl 190.801†	-327.0	-288.4	-0.116667 mg/L	-0.116667 mg/L	11:40:24
2	V 292.395†	952078.3	966940.5	20.3868 mg/L	20.3868 mg/L	11:39:59
2	Zn 206.200†	176.2	244.0	0.0126398 mg/L	0.0126398 mg/L	11:39:59

Mean Data: 0A29026-IFA2

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	232771.2	99.2233	%	0.88989				0.90%
Y 360.076	160557.1	99.4665	%	0.29372				0.30%
Ag 328.068†	-379.7	-0.0010510	mg/L	0.00042843	-0.0010510	mg/L	0.00042843	40.76%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	303.5	0.0564194	mg/L	0.00861059	0.0564194	mg/L	0.00861059	15.26%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	117.0	-0.0096818	mg/L	0.00282604	-0.0096818	mg/L	0.00282604	29.19%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	336.2	0.0215809	mg/L	0.00078419	0.0215809	mg/L	0.00078419	3.63%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	30.6	-0.0007920	mg/L	0.00002997	-0.0007920	mg/L	0.00002997	3.78%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	46.2	0.0000937	mg/L	0.00006719	0.0000937	mg/L	0.00006719	71.70%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	3.9	-0.0180201	mg/L	0.00023029	-0.0180201	mg/L	0.00023029	1.28%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	458.2	0.0019490	mg/L	0.00119844	0.0019490	mg/L	0.00119844	61.49%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	87.1	-0.0011344	mg/L	0.00115337	-0.0011344	mg/L	0.00115337	101.68%
Co 228.616†	266.9	-0.0060050	mg/L	0.00132792	-0.0060050	mg/L	0.00132792	22.11%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	250825.9	20.2033	mg/L	0.17420	20.2033	mg/L	0.17420	0.86%
QC value within limits for Cr 205.557 Recovery = 101.02%								
Cu 327.397†	699268.1	20.8787	mg/L	0.16264	20.8787	mg/L	0.16264	0.78%
QC value within limits for Cu 327.397 Recovery = 104.39%								
Fe 238.204†	2.1	-0.0082904	mg/L	0.00090843	-0.0082904	mg/L	0.00090843	10.96%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	69.1	0.0716275	mg/L	0.00629350	0.0716275	mg/L	0.00629350	8.79%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	165.7	0.0046960	mg/L	0.00173639	0.0046960	mg/L	0.00173639	36.98%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-87.1	-0.190741	mg/L	0.0161892	-0.190741	mg/L	0.0161892	8.49%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	3109564.1	19.8372	mg/L	0.16670	19.8372	mg/L	0.16670	0.84%
QC value within limits for Mn 257.610 Recovery = 99.19%								
Mo 202.031†	31.3	0.0015042	mg/L	0.00097880	0.0015042	mg/L	0.00097880	65.07%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	425.5	0.0432672	mg/L	0.00009220	0.0432672	mg/L	0.00009220	0.21%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	267485.6	20.6412	mg/L	0.18316	20.6412	mg/L	0.18316	0.89%
QC value within limits for Ni 231.604 Recovery = 103.21%								
Pb 220.353†	40.9	-0.0250715	mg/L	0.00161634	-0.0250715	mg/L	0.00161634	6.45%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-87.9	-0.0351096	mg/L	0.00439666	-0.0351096	mg/L	0.00439666	12.52%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	6.7	0.0037162	mg/L	0.00770829	0.0037162	mg/L	0.00770829	207.42%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	9517.9	0.302813	mg/L	0.0188362	0.302813	mg/L	0.0188362	6.22%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-49.3	-0.0230758	mg/L	0.00345137	-0.0230758	mg/L	0.00345137	14.96%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	22.1	-0.0012070	mg/L	0.00000532	-0.0012070	mg/L	0.00000532	0.44%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	314700.2	19.6952	mg/L	0.09917	19.6952	mg/L	0.09917	0.50%
QC value within limits for Ti 334.940 Recovery = 98.48%								
Tl 190.801†	-285.3	-0.113913	mg/L	0.0038951	-0.113913	mg/L	0.0038951	3.42%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	961123.0	20.2641	mg/L	0.17352	20.2641	mg/L	0.17352	0.86%
QC value within limits for V 292.395 Recovery = 101.32%								

Zn 206.200† 253.5 0.0135641 mg/L 0.00130712 0.0135641 mg/L 0.00130712 9.64%
QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location:** 13
Sample ID: 0A29026-IFB1 **Data Collected:** 1/29/2010 11:43:21 AM
Analyst: **Data Type:** Original
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A29026-IFB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	158451.8	158451.8	98.1623	%			11:44:27
1	Al 396.153†	308397.8	313973.7	99.1805	mg/L	99.1805	mg/L	11:44:27
1	Ba 455.398†	133311.1	135729.5	0.451212	mg/L	0.451212	mg/L	11:44:27
1	Ca 315.887†	160396.3	163261.6	97.7275	mg/L	97.7275	mg/L	11:44:27
1	Fe 238.204†	102080.0	103953.0	39.1166	mg/L	39.1166	mg/L	11:44:27
1	K 766.490	12.8	47.1	0.0371021	mg/L	0.0371021	mg/L	11:44:47
1	Li 670.784†	33.9	42.8	0.0009010	mg/L	0.0009010	mg/L	11:44:47
1	Mg 279.071†	47962.7	48847.3	97.5333	mg/L	97.5333	mg/L	11:44:27
1	Na 589.592†	1046.3	140.4	-0.0000714	mg/L	-0.0000714	mg/L	11:44:47
1	Sr 407.771†	1320.9	692.9	-0.0003592	mg/L	-0.0003592	mg/L	11:44:47
1	Ti 334.940†	-18.5	-16.4	-0.0002807	mg/L	-0.0002807	mg/L	11:44:47
1	Sc 357.234	228602.4	228602.4	97.4463	%			11:45:19
1	Ag 328.068†	63796.0	65395.2	0.989279	mg/L	0.989279	mg/L	11:45:19
1	As 188.979†	-21.2	5.0	0.0005412	mg/L	0.0005412	mg/L	11:45:39
1	B 249.677†	286.2	-2.3	-0.0036314	mg/L	-0.0036314	mg/L	11:45:19
1	Be 234.861†	12961.6	14127.1	0.0510164	mg/L	0.0510164	mg/L	11:45:19
1	Cd 214.437†	28340.1	28877.7	0.980961	mg/L	0.980961	mg/L	11:45:19
1	Ce 413.764†	482.0	-112.8	-0.0029840	mg/L	-0.0029840	mg/L	11:45:19
1	Co 228.616†	3139.4	3296.3	0.486427	mg/L	0.486427	mg/L	11:45:39
1	Cr 205.557†	6028.7	6215.2	0.500536	mg/L	0.500536	mg/L	11:45:39
1	Cu 327.397†	17300.5	17524.4	0.518664	mg/L	0.518664	mg/L	11:45:19
1	Mn 257.610†	76626.7	78428.3	0.500360	mg/L	0.500360	mg/L	11:45:19
1	Mo 202.031†	142.4	66.3	0.0056140	mg/L	0.0056140	mg/L	11:45:39
1	Ni 231.604†	12720.2	12600.0	0.969796	mg/L	0.969796	mg/L	11:45:19
1	Pb 220.353†	1972.7	2054.8	0.997599	mg/L	0.997599	mg/L	11:45:39
1	Sb 217.584†	-302.2	-262.8	-0.0776716	mg/L	-0.0776716	mg/L	11:45:39
1	Se 196.026†	-10.0	31.2	0.0976974	mg/L	0.0976974	mg/L	11:45:39
1	Si 251.611†	468.0	305.7	0.0210429	mg/L	0.0210429	mg/L	11:45:39
1	Sn 189.927†	-120.6	-146.1	-0.0429298	mg/L	-0.0429298	mg/L	11:45:39
1	Tl 190.801†	-51.5	-9.6	-0.0197973	mg/L	-0.0197973	mg/L	11:45:39
1	V 292.395†	22222.2	24090.1	0.501034	mg/L	0.501034	mg/L	11:45:19
1	Zn 206.200†	10294.1	10629.2	0.970299	mg/L	0.970299	mg/L	11:45:19
2	Y 360.076	158042.1	158042.1	97.9084	%			11:44:52
2	Al 396.153†	309427.7	315840.0	99.7702	mg/L	99.7702	mg/L	11:44:52
2	Ba 455.398†	133753.4	136533.4	0.453890	mg/L	0.453890	mg/L	11:44:52
2	Ca 315.887†	160950.3	164251.1	98.3199	mg/L	98.3199	mg/L	11:44:52
2	Fe 238.204†	102627.2	104781.4	39.4284	mg/L	39.4284	mg/L	11:44:52
2	K 766.490	36.6	70.9	0.0743774	mg/L	0.0743774	mg/L	11:45:12
2	Li 670.784†	14.6	23.1	0.0002929	mg/L	0.0002929	mg/L	11:45:12
2	Mg 279.071†	48153.0	49168.2	98.1742	mg/L	98.1742	mg/L	11:44:52
2	Na 589.592†	1039.3	136.1	-0.0007322	mg/L	-0.0007322	mg/L	11:45:12
2	Sr 407.771†	1320.9	696.4	-0.0003547	mg/L	-0.0003547	mg/L	11:45:12
2	Ti 334.940†	-24.3	-22.4	-0.0006571	mg/L	-0.0006571	mg/L	11:45:12
2	Sc 357.234	228567.6	228567.6	97.4314	%			11:45:44
2	Ag 328.068†	63806.1	65415.5	0.989633	mg/L	0.989633	mg/L	11:45:44
2	As 188.979†	-25.3	0.9	-0.0056602	mg/L	-0.0056602	mg/L	11:46:04
2	B 249.677†	275.1	-13.6	-0.0041915	mg/L	-0.0041915	mg/L	11:45:44
2	Be 234.861†	12966.4	14134.0	0.0509395	mg/L	0.0509395	mg/L	11:45:44
2	Cd 214.437†	28254.6	28794.3	0.977981	mg/L	0.977981	mg/L	11:45:44
2	Ce 413.764†	494.0	-100.4	-0.0026445	mg/L	-0.0026445	mg/L	11:45:44
2	Co 228.616†	3150.6	3308.2	0.488197	mg/L	0.488197	mg/L	11:46:04
2	Cr 205.557†	6044.2	6232.1	0.501916	mg/L	0.501916	mg/L	11:46:04
2	Cu 327.397†	17309.3	17536.1	0.519014	mg/L	0.519014	mg/L	11:45:44
2	Mn 257.610†	76422.0	78230.1	0.499108	mg/L	0.499108	mg/L	11:45:44
2	Mo 202.031†	153.4	77.6	0.0069398	mg/L	0.0069398	mg/L	11:46:04
2	Ni 231.604†	12742.0	12624.4	0.971674	mg/L	0.971674	mg/L	11:45:44

2	Pb 220.353†	1954.4	2036.3	0.988592 mg/L	0.988592 mg/L	11:46:04
2	Sb 217.584†	-303.0	-263.6	-0.0773276 mg/L	-0.0773276 mg/L	11:46:04
2	Se 196.026†	-19.3	21.6	0.0792136 mg/L	0.0792136 mg/L	11:46:04
2	Si 251.611†	459.6	297.1	0.0203823 mg/L	0.0203823 mg/L	11:46:04
2	Sn 189.927†	-119.8	-145.2	-0.0424408 mg/L	-0.0424408 mg/L	11:46:04
2	Tl 190.801†	-57.4	-15.7	-0.0268772 mg/L	-0.0268772 mg/L	11:46:04
2	V 292.395†	22188.9	24059.4	0.500343 mg/L	0.500343 mg/L	11:45:44
2	Zn 206.200†	10276.8	10613.0	0.968758 mg/L	0.968758 mg/L	11:45:44

Mean Data: 0A29026-IFB1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	228585.0	97.4389	%	0.01049				0.01%
Y 360.076	158247.0	98.0354	%	0.17948				0.18%
Ag 328.068†	65405.4	0.989456	mg/L	0.0002501	0.989456	mg/L	0.0002501	0.03%
QC value within limits for Ag 328.068 Recovery = 98.95%								
Al 396.153†	314906.8	99.4754	mg/L	0.41697	99.4754	mg/L	0.41697	0.42%
QC value within limits for Al 396.153 Recovery = 99.48%								
As 188.979†	2.9	-0.0025595	mg/L	0.00438504	-0.0025595	mg/L	0.00438504	171.32%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-7.9	-0.0039114	mg/L	0.00039604	-0.0039114	mg/L	0.00039604	10.13%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	136131.5	0.452551	mg/L	0.0018934	0.452551	mg/L	0.0018934	0.42%
QC value within limits for Ba 455.398 Recovery = 90.51%								
Be 234.861†	14130.5	0.0509780	mg/L	0.00005438	0.0509780	mg/L	0.00005438	0.11%
QC value within limits for Be 234.861 Recovery = 101.96%								
Ca 315.887†	163756.4	98.0237	mg/L	0.41891	98.0237	mg/L	0.41891	0.43%
QC value within limits for Ca 315.887 Recovery = 98.02%								
Cd 214.437†	28836.0	0.979471	mg/L	0.0021074	0.979471	mg/L	0.0021074	0.22%
QC value within limits for Cd 214.437 Recovery = 97.95%								
Ce 413.764†	-106.6	-0.0028142	mg/L	0.00024005	-0.0028142	mg/L	0.00024005	8.53%
Co 228.616†	3302.3	0.487312	mg/L	0.0012515	0.487312	mg/L	0.0012515	0.26%
QC value within limits for Co 228.616 Recovery = 97.46%								
Cr 205.557†	6223.6	0.501226	mg/L	0.0009760	0.501226	mg/L	0.0009760	0.19%
QC value within limits for Cr 205.557 Recovery = 100.25%								
Cu 327.397†	17530.2	0.518839	mg/L	0.0002471	0.518839	mg/L	0.0002471	0.05%
QC value within limits for Cu 327.397 Recovery = 103.77%								
Fe 238.204†	104367.2	39.2725	mg/L	0.22045	39.2725	mg/L	0.22045	0.56%
QC value within limits for Fe 238.204 Recovery = 98.18%								
K 766.490	59.0	0.0557397	mg/L	0.02635765	0.0557397	mg/L	0.02635765	47.29%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	32.9	0.0005970	mg/L	0.00042998	0.0005970	mg/L	0.00042998	72.03%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	49007.8	97.8537	mg/L	0.45321	97.8537	mg/L	0.45321	0.46%
QC value within limits for Mg 279.071 Recovery = 97.85%								
Mn 257.610†	78329.2	0.499734	mg/L	0.0008858	0.499734	mg/L	0.0008858	0.18%
QC value within limits for Mn 257.610 Recovery = 99.95%								
Mo 202.031†	71.9	0.0062769	mg/L	0.00093746	0.0062769	mg/L	0.00093746	14.94%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	138.2	-0.0004018	mg/L	0.00046720	-0.0004018	mg/L	0.00046720	116.28%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	12612.2	0.970735	mg/L	0.0013279	0.970735	mg/L	0.0013279	0.14%
QC value within limits for Ni 231.604 Recovery = 97.07%								
Pb 220.353†	2045.6	0.993096	mg/L	0.0063693	0.993096	mg/L	0.0063693	0.64%
QC value within limits for Pb 220.353 Recovery = 99.31%								
Sb 217.584†	-263.2	-0.0774996	mg/L	0.00024327	-0.0774996	mg/L	0.00024327	0.31%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	26.4	0.0884555	mg/L	0.01307007	0.0884555	mg/L	0.01307007	14.78%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	301.4	0.0207126	mg/L	0.00046711	0.0207126	mg/L	0.00046711	2.26%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-145.7	-0.0426853	mg/L	0.00034577	-0.0426853	mg/L	0.00034577	0.81%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	694.7	-0.0003569	mg/L	0.00000313	-0.0003569	mg/L	0.00000313	0.88%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	-19.4	-0.0004689	mg/L	0.00026615	-0.0004689	mg/L	0.00026615	56.77%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-12.6	-0.0233372	mg/L	0.00500625	-0.0233372	mg/L	0.00500625	21.45%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	24074.8	0.500689	mg/L	0.0004883	0.500689	mg/L	0.0004883	0.10%

QC value within limits for V 292.395 Recovery = 100.14%

Zn 206.200†	10621.1	0.969529 mg/L	0.0010894	0.969529 mg/L	0.0010894	0.11%

QC value within limits for Zn 206.200 Recovery = 96.95%

All analyte(s) passed QC.

Sequence No.: 12 **Autosampler Location: 14**
Sample ID: 0A29026-IFB2 **Date Collected: 1/29/2010 11:49:01 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A29026-IFB2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	160172.3	160172.3	99.2281	%			11:50:06
1	Al 396.153†	3645.9	3476.4	1.04176	mg/L	1.04176	mg/L	11:50:06
1	Ba 455.398†	148.3	72.1	-0.0006537	mg/L	-0.0006537	mg/L	11:50:06
1	Ca 315.887†	8406.3	8334.2	4.96950	mg/L	4.96950	mg/L	11:50:06
1	Fe 238.204†	37.6	-0.2	-0.0094376	mg/L	-0.0094376	mg/L	11:50:26
1	K 766.490	2.3	36.6	0.0206252	mg/L	0.0206252	mg/L	11:50:06
1	Li 670.784†	171.8	181.3	0.0051788	mg/L	0.0051788	mg/L	11:50:06
1	Mg 279.071†	2483.1	2489.0	4.95383	mg/L	4.95383	mg/L	11:50:26
1	Na 589.592†	34210.7	33551.4	5.07963	mg/L	5.07963	mg/L	11:50:06
1	Sr 407.771†	808.8	162.4	-0.0010297	mg/L	-0.0010297	mg/L	11:50:06
1	Ti 334.940†	314255.1	316702.2	19.8205	mg/L	19.8205	mg/L	11:50:06
1	Sc 357.234	234126.8	234126.8	99.8011	%			11:51:03
1	Ag 328.068†	-260.2	-333.3	-0.0002964	mg/L	-0.0002964	mg/L	11:51:03
1	As 188.979†	826.2	854.7	1.07968	mg/L	1.07968	mg/L	11:51:23
1	B 249.677†	19059.0	18801.0	0.987664	mg/L	0.987664	mg/L	11:51:03
1	Be 234.861†	-785.4	38.8	0.0000532	mg/L	0.0000532	mg/L	11:51:23
1	Cd 214.437†	684.0	480.2	0.0025936	mg/L	0.0025936	mg/L	11:51:23
1	Ce 413.764†	701.7	95.6	-0.0009480	mg/L	-0.0009480	mg/L	11:51:03
1	Co 228.616†	185.8	260.7	-0.0072143	mg/L	-0.0072143	mg/L	11:51:23
1	Cr 205.557†	251097.7	251626.5	20.2678	mg/L	20.2678	mg/L	11:51:03
1	Cu 327.397†	695102.5	696258.1	20.7890	mg/L	20.7890	mg/L	11:50:58
1	Mn 257.610†	3099194.1	3105163.1	19.8091	mg/L	19.8091	mg/L	11:50:58
1	Mo 202.031†	8653.6	8590.9	1.00631	mg/L	1.00631	mg/L	11:51:23
1	Ni 231.604†	268568.3	268650.0	20.7328	mg/L	20.7328	mg/L	11:51:03
1	Pb 220.353†	1.6	32.0	-0.0290610	mg/L	-0.0290610	mg/L	11:51:23
1	Sb 217.584†	1271.0	1321.0	0.980814	mg/L	0.980814	mg/L	11:51:23
1	Se 196.026†	475.1	517.5	1.00315	mg/L	1.00315	mg/L	11:51:23
1	Si 251.611†	9470.6	9314.9	0.281730	mg/L	0.281730	mg/L	11:51:23
1	Sn 189.927†	-38.3	-60.7	-0.0268467	mg/L	-0.0268467	mg/L	11:51:23
1	Tl 190.801†	529.7	574.0	0.884775	mg/L	0.884775	mg/L	11:51:23
1	V 292.395†	957841.9	961036.0	20.2729	mg/L	20.2729	mg/L	11:50:58
1	Zn 206.200†	73.7	139.2	0.0035839	mg/L	0.0035839	mg/L	11:51:03
2	Y 360.076	159980.1	159980.1	99.1090	%			11:50:31
2	Al 396.153†	3668.8	3504.0	1.05023	mg/L	1.05023	mg/L	11:50:31
2	Ba 455.398†	156.4	80.4	-0.0006260	mg/L	-0.0006260	mg/L	11:50:31
2	Ca 315.887†	8468.9	8407.5	5.01342	mg/L	5.01342	mg/L	11:50:31
2	Fe 238.204†	38.7	0.9	-0.0090135	mg/L	-0.0090135	mg/L	11:50:51
2	K 766.490	29.2	63.5	0.0628210	mg/L	0.0628210	mg/L	11:50:31
2	Li 670.784†	187.4	197.3	0.0056718	mg/L	0.0056718	mg/L	11:50:31
2	Mg 279.071†	2488.6	2497.6	4.97097	mg/L	4.97097	mg/L	11:50:51
2	Na 589.592†	34335.2	33718.4	5.10503	mg/L	5.10503	mg/L	11:50:31
2	Sr 407.771†	749.7	103.7	-0.0011038	mg/L	-0.0011038	mg/L	11:50:31
2	Ti 334.940†	315882.2	318724.3	19.9471	mg/L	19.9471	mg/L	11:50:31
2	Sc 357.234	233161.5	233161.5	99.3897	%			11:51:34
2	Ag 328.068†	-219.4	-293.4	0.0003233	mg/L	0.0003233	mg/L	11:51:34
2	As 188.979†	825.7	857.6	1.08342	mg/L	1.08342	mg/L	11:51:54
2	B 249.677†	18874.7	18694.6	0.981849	mg/L	0.981849	mg/L	11:51:34
2	Be 234.861†	-759.6	61.5	0.0001573	mg/L	0.0001573	mg/L	11:51:54
2	Cd 214.437†	692.0	491.1	0.0031629	mg/L	0.0031629	mg/L	11:51:54
2	Ce 413.764†	639.0	35.5	-0.0026154	mg/L	-0.0026154	mg/L	11:51:34
2	Co 228.616†	201.4	277.2	-0.0050386	mg/L	-0.0050386	mg/L	11:51:54
2	Cr 205.557†	248537.3	250092.0	20.1442	mg/L	20.1442	mg/L	11:51:34
2	Cu 327.397†	695575.6	699617.6	20.8893	mg/L	20.8893	mg/L	11:51:29
2	Mn 257.610†	3106302.4	3125171.6	19.9368	mg/L	19.9368	mg/L	11:51:29
2	Mo 202.031†	8687.4	8660.8	1.01451	mg/L	1.01451	mg/L	11:51:54

2	Ni 231.604†	265365.0	266541.1	20.5701 mg/L	20.5701 mg/L	11:51:34
2	Pb 220.353†	4.9	35.3	-0.0276303 mg/L	-0.0276303 mg/L	11:51:54
2	Sb 217.584†	1282.6	1337.9	0.992644 mg/L	0.992644 mg/L	11:51:54
2	Se 196.026†	480.9	525.2	1.01835 mg/L	1.01835 mg/L	11:51:54
2	Si 251.611†	9653.0	9537.7	0.297949 mg/L	0.297949 mg/L	11:51:54
2	Sn 189.927†	-37.2	-59.8	-0.0264501 mg/L	-0.0264501 mg/L	11:51:54
2	Tl 190.801†	533.7	580.2	0.893347 mg/L	0.893347 mg/L	11:51:54
2	V 292.395†	959637.7	966816.4	20.3949 mg/L	20.3949 mg/L	11:51:29
2	Zn 206.200†	98.2	164.2	0.0059381 mg/L	0.0059381 mg/L	11:51:34

Mean Data: 0A29026-IFB2

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	233644.1	99.5954	%	0.29096				0.29%
Y 360.076	160076.2	99.1686	%	0.08420				0.08%
Ag 328.068†	-313.4	0.0000135	mg/L	0.00043820	0.0000135	mg/L	0.00043820	>999.9%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	3490.2	1.04600	mg/L	0.005989	1.04600	mg/L	0.005989	0.57%
QC value within limits for Al 396.153 Recovery = 104.60%								
As 188.979†	856.1	1.08155	mg/L	0.002646	1.08155	mg/L	0.002646	0.24%
QC value within limits for As 188.979 Recovery = 108.15%								
B 249.677†	18747.8	0.984757	mg/L	0.0041116	0.984757	mg/L	0.0041116	0.42%
QC value within limits for B 249.677 Recovery = 98.48%								
Ba 455.398†	76.3	-0.0006398	mg/L	0.00001962	-0.0006398	mg/L	0.00001962	3.07%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	50.2	0.0001052	mg/L	0.00007361	0.0001052	mg/L	0.00007361	69.97%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	8370.9	4.99146	mg/L	0.031057	4.99146	mg/L	0.031057	0.62%
QC value within limits for Ca 315.887 Recovery = 99.83%								
Cd 214.437†	485.7	0.0028782	mg/L	0.00040257	0.0028782	mg/L	0.00040257	13.99%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	65.6	-0.0017817	mg/L	0.00117904	-0.0017817	mg/L	0.00117904	66.17%
Co 228.616†	269.0	-0.0061265	mg/L	0.00153843	-0.0061265	mg/L	0.00153843	25.11%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	250859.3	20.2060	mg/L	0.08739	20.2060	mg/L	0.08739	0.43%
QC value within limits for Cr 205.557 Recovery = 101.03%								
Cu 327.397†	697937.8	20.8392	mg/L	0.07096	20.8392	mg/L	0.07096	0.34%
QC value within limits for Cu 327.397 Recovery = 104.20%								
Fe 238.204†	0.3	-0.0092255	mg/L	0.00029984	-0.0092255	mg/L	0.00029984	3.25%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	50.1	0.0417231	mg/L	0.02983693	0.0417231	mg/L	0.02983693	71.51%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	189.3	0.0054253	mg/L	0.00034863	0.0054253	mg/L	0.00034863	6.43%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	2493.3	4.96240	mg/L	0.012117	4.96240	mg/L	0.012117	0.24%
QC value within limits for Mg 279.071 Recovery = 99.25%								
Mn 257.610†	3115167.3	19.8729	mg/L	0.09026	19.8729	mg/L	0.09026	0.45%
QC value within limits for Mn 257.610 Recovery = 99.36%								
Mo 202.031†	8625.9	1.01041	mg/L	0.005800	1.01041	mg/L	0.005800	0.57%
QC value within limits for Mo 202.031 Recovery = 101.04%								
Na 589.592†	33634.9	5.09233	mg/L	0.017959	5.09233	mg/L	0.017959	0.35%
QC value within limits for Na 589.592 Recovery = 101.85%								
Ni 231.604†	267595.5	20.6514	mg/L	0.11508	20.6514	mg/L	0.11508	0.56%
QC value within limits for Ni 231.604 Recovery = 103.26%								
Pb 220.353†	33.7	-0.0283457	mg/L	0.00101165	-0.0283457	mg/L	0.00101165	3.57%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	1329.4	0.986729	mg/L	0.0083654	0.986729	mg/L	0.0083654	0.85%
QC value within limits for Sb 217.584 Recovery = 98.67%								
Se 196.026†	521.4	1.01075	mg/L	0.010749	1.01075	mg/L	0.010749	1.06%
QC value within limits for Se 196.026 Recovery = 101.07%								
Si 251.611†	9426.3	0.289840	mg/L	0.0114687	0.289840	mg/L	0.0114687	3.96%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-60.2	-0.0266484	mg/L	0.00028045	-0.0266484	mg/L	0.00028045	1.05%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	133.0	-0.0010668	mg/L	0.00005243	-0.0010668	mg/L	0.00005243	4.92%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	317713.2	19.8838	mg/L	0.08948	19.8838	mg/L	0.08948	0.45%
QC value within limits for Ti 334.940 Recovery = 99.42%								
Tl 190.801†	577.1	0.889061	mg/L	0.0060616	0.889061	mg/L	0.0060616	0.68%
QC value within limits for Tl 190.801 Recovery = 88.91%								

V 292.395† 963926.2 20.3339 mg/L 0.08629 20.3339 mg/L 0.08629 0.42%
QC value within limits for V 292.395 Recovery = 101.67%
Zn 206.200† 151.7 0.0047610 mg/L 0.00166463 0.0047610 mg/L 0.00166463 34.96%
QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 13 **Autosampler Location: 4**
Sample ID: 0A29026-CCV **Date Collected: 1/29/2010 11:54:50 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A29026-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	160537.2	160537.2	99.4542	%			11:55:56
1	Al 396.153†	8135.2	7982.0	2.48760	mg/L	2.48760	mg/L	11:56:16
1	Ba 455.398†	148909.0	149649.0	0.497577	mg/L	0.497577	mg/L	11:55:56
1	Ca 315.887†	8404.2	8312.8	4.95671	mg/L	4.95671	mg/L	11:56:16
1	Fe 238.204†	1361.0	1330.3	0.499604	mg/L	0.499604	mg/L	11:56:16
1	K 766.490	3212.4	3246.7	5.05212	mg/L	5.05212	mg/L	11:56:16
1	Li 670.784†	15935.5	16031.2	0.494556	mg/L	0.494556	mg/L	11:56:16
1	Mg 279.071†	2500.6	2500.9	4.97758	mg/L	4.97758	mg/L	11:56:16
1	Na 589.592†	33502.7	32761.2	4.95949	mg/L	4.95949	mg/L	11:55:56
1	Sr 407.771†	392921.5	394425.3	0.497247	mg/L	0.497247	mg/L	11:55:56
1	Ti 334.940†	7869.5	7915.1	0.496091	mg/L	0.496091	mg/L	11:56:16
1	Sc 357.234	234715.6	234715.6	100.052	%			11:56:47
1	Ag 328.068†	33263.7	33173.7	0.498936	mg/L	0.498936	mg/L	11:56:47
1	As 188.979†	1697.6	1723.5	2.53744	mg/L	2.53744	mg/L	11:57:07
1	B 249.677†	10014.6	9713.5	0.499933	mg/L	0.499933	mg/L	11:56:47
1	Be 234.861†	10209.8	11030.3	0.0504295	mg/L	0.0504295	mg/L	11:57:07
1	Cd 214.437†	14956.2	14743.3	0.507115	mg/L	0.507115	mg/L	11:57:07
1	Ce 413.764†	563.5	-44.2	-0.0012978	mg/L	-0.0012978	mg/L	11:56:47
1	Co 228.616†	3359.2	3432.0	0.506960	mg/L	0.506960	mg/L	11:57:07
1	Cr 205.557†	6307.2	6332.4	0.507904	mg/L	0.507904	mg/L	11:57:07
1	Cu 327.397†	17196.2	16957.7	0.502050	mg/L	0.502050	mg/L	11:56:47
1	Mn 257.610†	79704.4	79456.3	0.505467	mg/L	0.505467	mg/L	11:56:47
1	Mo 202.031†	4435.2	4353.0	0.508821	mg/L	0.508821	mg/L	11:57:07
1	Ni 231.604†	7102.2	6645.0	0.511084	mg/L	0.511084	mg/L	11:57:07
1	Pb 220.353†	1018.7	1048.6	0.506950	mg/L	0.506950	mg/L	11:57:07
1	Sb 217.584†	3460.5	3506.1	2.52307	mg/L	2.52307	mg/L	11:57:07
1	Se 196.026†	1258.7	1299.5	2.53390	mg/L	2.53390	mg/L	11:57:07
1	Si 251.611†	29166.8	28977.0	2.51164	mg/L	2.51164	mg/L	11:56:47
1	Sn 189.927†	5982.8	5957.4	2.53323	mg/L	2.53323	mg/L	11:57:07
1	Tl 190.801†	2143.1	2185.2	2.53250	mg/L	2.53250	mg/L	11:57:07
1	V 292.395†	22583.7	23857.4	0.508231	mg/L	0.508231	mg/L	11:56:47
1	Zn 206.200†	5491.4	5553.8	0.510052	mg/L	0.510052	mg/L	11:57:07
2	Y 360.076	160022.8	160022.8	99.1355	%			11:56:21
2	Al 396.153†	8172.9	8046.4	2.50806	mg/L	2.50806	mg/L	11:56:41
2	Ba 455.398†	149445.3	150671.2	0.500982	mg/L	0.500982	mg/L	11:56:21
2	Ca 315.887†	8483.9	8420.4	5.02114	mg/L	5.02114	mg/L	11:56:41
2	Fe 238.204†	1367.1	1340.8	0.503551	mg/L	0.503551	mg/L	11:56:41
2	K 766.490	3229.3	3263.6	5.07865	mg/L	5.07865	mg/L	11:56:41
2	Li 670.784†	15993.7	16141.3	0.497957	mg/L	0.497957	mg/L	11:56:41
2	Mg 279.071†	2506.8	2515.3	5.00629	mg/L	5.00629	mg/L	11:56:41
2	Na 589.592†	33592.0	32959.5	4.98964	mg/L	4.98964	mg/L	11:56:21
2	Sr 407.771†	394760.5	397550.3	0.501196	mg/L	0.501196	mg/L	11:56:21
2	Ti 334.940†	7887.4	7958.6	0.498810	mg/L	0.498810	mg/L	11:56:41
2	Sc 357.234	236451.1	236451.1	100.792	%			11:57:12
2	Ag 328.068†	33464.9	33129.3	0.498276	mg/L	0.498276	mg/L	11:57:12
2	As 188.979†	1692.7	1706.2	2.51174	mg/L	2.51174	mg/L	11:57:32
2	B 249.677†	10043.2	9668.3	0.497580	mg/L	0.497580	mg/L	11:57:12
2	Be 234.861†	10202.2	10947.8	0.0500487	mg/L	0.0500487	mg/L	11:57:32
2	Cd 214.437†	14964.7	14642.0	0.503618	mg/L	0.503618	mg/L	11:57:32
2	Ce 413.764†	617.5	5.2	0.0000516	mg/L	0.0000516	mg/L	11:57:12
2	Co 228.616†	3353.9	3402.1	0.502514	mg/L	0.502514	mg/L	11:57:32
2	Cr 205.557†	6298.4	6277.4	0.503470	mg/L	0.503470	mg/L	11:57:32
2	Cu 327.397†	17278.2	16913.0	0.500715	mg/L	0.500715	mg/L	11:57:12
2	Mn 257.610†	80051.8	79216.4	0.503936	mg/L	0.503936	mg/L	11:57:12

2	Mo 202.031†	4414.2	4299.6	0.502558 mg/L	0.502558 mg/L	11:57:32
2	Ni 231.604†	7095.7	6586.5	0.506563 mg/L	0.506563 mg/L	11:57:32
2	Pb 220.353†	1013.7	1036.1	0.500856 mg/L	0.500856 mg/L	11:57:32
2	Sb 217.584†	3478.6	3498.7	2.51770 mg/L	2.51770 mg/L	11:57:32
2	Se 196.026†	1253.6	1285.2	2.50591 mg/L	2.50591 mg/L	11:57:32
2	Si 251.611†	29269.6	28865.0	2.50176 mg/L	2.50176 mg/L	11:57:12
2	Sn 189.927†	5972.7	5903.5	2.51033 mg/L	2.51033 mg/L	11:57:32
2	Tl 190.801†	2143.2	2169.6	2.51440 mg/L	2.51440 mg/L	11:57:32
2	V 292.395†	22609.5	23717.4	0.505207 mg/L	0.505207 mg/L	11:57:12
2	Zn 206.200†	5508.4	5530.5	0.507894 mg/L	0.507894 mg/L	11:57:32

Mean Data: 0A29026-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	235583.4	100.422	%	0.5231				0.52%
Y 360.076	160280.0	99.2948	%	0.22534				0.23%
Ag 328.068†	33151.5	0.498606	mg/L	0.0004667	0.498606	mg/L	0.0004667	0.09%
QC value within limits for Ag 328.068 Recovery = 99.72%								
Al 396.153†	8014.2	2.49783	mg/L	0.014462	2.49783	mg/L	0.014462	0.58%
QC value within limits for Al 396.153 Recovery = 99.91%								
As 188.979†	1714.9	2.52459	mg/L	0.018174	2.52459	mg/L	0.018174	0.72%
QC value within limits for As 188.979 Recovery = 100.98%								
B 249.677†	9690.9	0.498757	mg/L	0.0016641	0.498757	mg/L	0.0016641	0.33%
QC value within limits for B 249.677 Recovery = 99.75%								
Ba 455.398†	150160.1	0.499279	mg/L	0.0024077	0.499279	mg/L	0.0024077	0.48%
QC value within limits for Ba 455.398 Recovery = 99.86%								
Be 234.861†	10989.0	0.0502391	mg/L	0.00026925	0.0502391	mg/L	0.00026925	0.54%
QC value within limits for Be 234.861 Recovery = 100.48%								
Ca 315.887†	8366.6	4.98892	mg/L	0.045558	4.98892	mg/L	0.045558	0.91%
QC value within limits for Ca 315.887 Recovery = 99.78%								
Cd 214.437†	14692.6	0.505366	mg/L	0.0024730	0.505366	mg/L	0.0024730	0.49%
QC value within limits for Cd 214.437 Recovery = 101.07%								
Ce 413.764†	-19.5	-0.0006231	mg/L	0.00095414	-0.0006231	mg/L	0.00095414	153.13%
Co 228.616†	3417.1	0.504737	mg/L	0.0031439	0.504737	mg/L	0.0031439	0.62%
QC value within limits for Co 228.616 Recovery = 100.95%								
Cr 205.557†	6304.9	0.505687	mg/L	0.0031355	0.505687	mg/L	0.0031355	0.62%
QC value within limits for Cr 205.557 Recovery = 101.14%								
Cu 327.397†	16935.3	0.501383	mg/L	0.0009438	0.501383	mg/L	0.0009438	0.19%
QC value within limits for Cu 327.397 Recovery = 100.28%								
Fe 238.204†	1335.6	0.501577	mg/L	0.0027909	0.501577	mg/L	0.0027909	0.56%
QC value within limits for Fe 238.204 Recovery = 100.32%								
K 766.490	3255.1	5.06539	mg/L	0.018760	5.06539	mg/L	0.018760	0.37%
QC value within limits for K 766.490 Recovery = 101.31%								
Li 670.784†	16086.3	0.496256	mg/L	0.0024053	0.496256	mg/L	0.0024053	0.48%
QC value within limits for Li 670.784 Recovery = 99.25%								
Mg 279.071†	2508.1	4.99193	mg/L	0.020299	4.99193	mg/L	0.020299	0.41%
QC value within limits for Mg 279.071 Recovery = 99.84%								
Mn 257.610†	79336.3	0.504701	mg/L	0.0010824	0.504701	mg/L	0.0010824	0.21%
QC value within limits for Mn 257.610 Recovery = 100.94%								
Mo 202.031†	4326.3	0.505689	mg/L	0.0044286	0.505689	mg/L	0.0044286	0.88%
QC value within limits for Mo 202.031 Recovery = 101.14%								
Na 589.592†	32860.3	4.97456	mg/L	0.021323	4.97456	mg/L	0.021323	0.43%
QC value within limits for Na 589.592 Recovery = 99.49%								
Ni 231.604†	6615.7	0.508823	mg/L	0.0031970	0.508823	mg/L	0.0031970	0.63%
QC value within limits for Ni 231.604 Recovery = 101.76%								
Pb 220.353†	1042.3	0.503903	mg/L	0.0043087	0.503903	mg/L	0.0043087	0.86%
QC value within limits for Pb 220.353 Recovery = 100.78%								
Sb 217.584†	3502.4	2.52039	mg/L	0.003797	2.52039	mg/L	0.003797	0.15%
QC value within limits for Sb 217.584 Recovery = 100.82%								
Se 196.026†	1292.3	2.51990	mg/L	0.019791	2.51990	mg/L	0.019791	0.79%
QC value within limits for Se 196.026 Recovery = 100.80%								
Si 251.611†	28921.0	2.50670	mg/L	0.006989	2.50670	mg/L	0.006989	0.28%
QC value within limits for Si 251.611 Recovery = 100.27%								
Sn 189.927†	5930.4	2.52178	mg/L	0.016199	2.52178	mg/L	0.016199	0.64%
QC value within limits for Sn 189.927 Recovery = 100.87%								
Sr 407.771†	395987.8	0.499221	mg/L	0.0027927	0.499221	mg/L	0.0027927	0.56%
QC value within limits for Sr 407.771 Recovery = 99.84%								
Ti 334.940†	7936.9	0.497451	mg/L	0.0019227	0.497451	mg/L	0.0019227	0.39%
QC value within limits for Ti 334.940 Recovery = 99.49%								
Tl 190.801†	2177.4	2.52345	mg/L	0.012796	2.52345	mg/L	0.012796	0.51%

QC value within limits for Tl 190.801 Recovery = 100.94%

V 292.395†	23787.4	0.506719 mg/L	0.0021381	0.506719 mg/L	0.0021381	0.42%

QC value within limits for V 292.395 Recovery = 101.34%

Zn 206.200†	5542.2	0.508973 mg/L	0.0015261	0.508973 mg/L	0.0015261	0.30%

QC value within limits for Zn 206.200 Recovery = 101.79%

All analyte(s) passed QC.

Sequence No.: 14 **Autosampler Location: 1**
Sample ID: 0A29026-CCB **Date Collected: 1/29/2010 11:58:48 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A29026-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	159292.8	159292.8	98.6833	%			11:59:53
1	Al 396.153†	224.8	30.0	-0.0160706	mg/L	-0.0160706	mg/L	11:59:53
1	Ba 455.398†	74.7	-1.6	-0.0008992	mg/L	-0.0008992	mg/L	11:59:53
1	Ca 315.887†	135.5	-0.1	-0.0204188	mg/L	-0.0204188	mg/L	12:00:13
1	Fe 238.204†	41.5	3.9	0.0010819	mg/L	0.0010819	mg/L	12:00:13
1	K 766.490	-3.6	30.7	0.0114120	mg/L	0.0114120	mg/L	11:59:53
1	Li 670.784†	-19.3	-11.4	-0.0007709	mg/L	-0.0007709	mg/L	11:59:53
1	Mg 279.071†	11.9	-1.3	-0.0195151	mg/L	-0.0195151	mg/L	12:00:13
1	Na 589.592†	915.5	2.3	-0.0210668	mg/L	-0.0210668	mg/L	11:59:53
1	Sr 407.771†	673.5	29.8	-0.0011972	mg/L	-0.0011972	mg/L	11:59:53
1	Ti 334.940†	-2.5	-0.1	0.0007432	mg/L	0.0007432	mg/L	12:00:13
1	Sc 357.234	234198.7	234198.7	99.8318	%			12:00:44
1	Ag 328.068†	136.6	64.2	0.0011078	mg/L	0.0011078	mg/L	12:00:44
1	As 188.979†	-26.9	-0.2	-0.0060767	mg/L	-0.0060767	mg/L	12:01:04
1	B 249.677†	507.8	212.7	0.0042016	mg/L	0.0042016	mg/L	12:01:04
1	Be 234.861†	-812.4	12.0	-0.0000631	mg/L	-0.0000631	mg/L	12:01:04
1	Cd 214.437†	202.9	-1.9	-0.0018425	mg/L	-0.0018425	mg/L	12:01:04
1	Ce 413.764†	621.5	15.1	0.0004124	mg/L	0.0004124	mg/L	12:00:44
1	Co 228.616†	-78.4	-3.9	-0.0022301	mg/L	-0.0022301	mg/L	12:01:04
1	Cr 205.557†	-27.6	0.9	-0.0021774	mg/L	-0.0021774	mg/L	12:01:04
1	Cu 327.397†	322.9	93.9	-0.0014723	mg/L	-0.0014723	mg/L	12:00:44
1	Mn 257.610†	236.7	30.6	-0.0012793	mg/L	-0.0012793	mg/L	12:01:04
1	Mo 202.031†	89.9	10.1	-0.0009779	mg/L	-0.0009779	mg/L	12:01:04
1	Ni 231.604†	447.8	-5.0	-0.0022157	mg/L	-0.0022157	mg/L	12:01:04
1	Pb 220.353†	-26.8	3.5	-0.0020583	mg/L	-0.0020583	mg/L	12:01:04
1	Sb 217.584†	-55.6	-8.3	-0.0134444	mg/L	-0.0134444	mg/L	12:01:04
1	Se 196.026†	-37.1	4.2	-0.0011528	mg/L	-0.0011528	mg/L	12:01:04
1	Si 251.611†	308.7	134.6	-0.0039980	mg/L	-0.0039980	mg/L	12:01:04
1	Sn 189.927†	29.4	7.1	0.0009218	mg/L	0.0009218	mg/L	12:01:04
1	Tl 190.801†	-42.2	1.0	-0.0051337	mg/L	-0.0051337	mg/L	12:01:04
1	V 292.395†	-1264.9	18.5	0.0002830	mg/L	0.0002830	mg/L	12:01:04
1	Zn 206.200†	-70.3	-5.0	-0.0021168	mg/L	-0.0021168	mg/L	12:01:04
2	Y 360.076	159579.9	159579.9	98.8611	%			12:00:18
2	Al 396.153†	203.3	7.9	-0.0230564	mg/L	-0.0230564	mg/L	12:00:18
2	Ba 455.398†	43.4	-33.4	-0.0010053	mg/L	-0.0010053	mg/L	12:00:18
2	Ca 315.887†	135.5	-0.4	-0.0205604	mg/L	-0.0205604	mg/L	12:00:38
2	Fe 238.204†	42.4	4.7	0.0013756	mg/L	0.0013756	mg/L	12:00:38
2	K 766.490	-0.2	34.1	0.0167168	mg/L	0.0167168	mg/L	12:00:18
2	Li 670.784†	-9.5	-1.4	-0.0004616	mg/L	-0.0004616	mg/L	12:00:18
2	Mg 279.071†	20.7	7.6	-0.0017708	mg/L	-0.0017708	mg/L	12:00:38
2	Na 589.592†	906.4	-8.6	-0.0227209	mg/L	-0.0227209	mg/L	12:00:18
2	Sr 407.771†	667.5	22.5	-0.0012065	mg/L	-0.0012065	mg/L	12:00:18
2	Ti 334.940†	-2.1	0.3	0.0007651	mg/L	0.0007651	mg/L	12:00:38
2	Sc 357.234	232827.7	232827.7	99.2474	%			12:01:09
2	Ag 328.068†	69.9	-2.2	0.0000975	mg/L	0.0000975	mg/L	12:01:09
2	As 188.979†	-26.0	0.6	-0.0049023	mg/L	-0.0049023	mg/L	12:01:29
2	B 249.677†	471.5	179.1	0.0024387	mg/L	0.0024387	mg/L	12:01:29
2	Be 234.861†	-826.4	-6.9	-0.0001502	mg/L	-0.0001502	mg/L	12:01:29
2	Cd 214.437†	201.5	-2.1	-0.0018477	mg/L	-0.0018477	mg/L	12:01:29
2	Ce 413.764†	524.7	-78.7	-0.0021502	mg/L	-0.0021502	mg/L	12:01:09
2	Co 228.616†	-71.1	2.9	-0.0012095	mg/L	-0.0012095	mg/L	12:01:29
2	Cr 205.557†	-24.5	3.8	-0.0019372	mg/L	-0.0019372	mg/L	12:01:29
2	Cu 327.397†	285.6	58.2	-0.0025380	mg/L	-0.0025380	mg/L	12:01:09

2	Mn 257.610†	235.3	30.6	-0.0012795 mg/L	-0.0012795 mg/L		12:01:29
2	Mo 202.031†	88.6	9.4	-0.0010658 mg/L	-0.0010658 mg/L		12:01:29
2	Ni 231.604†	452.9	2.8	-0.0016164 mg/L	-0.0016164 mg/L		12:01:29
2	Pb 220.353†	-23.2	7.1	-0.0003357 mg/L	-0.0003357 mg/L		12:01:29
2	Sb 217.584†	-54.9	-7.9	-0.0131502 mg/L	-0.0131502 mg/L		12:01:29
2	Se 196.026†	-39.9	1.2	-0.0070799 mg/L	-0.0070799 mg/L		12:01:29
2	Si 251.611†	294.1	121.7	-0.0051275 mg/L	-0.0051275 mg/L		12:01:29
2	Sn 189.927†	27.4	5.3	0.0001481 mg/L	0.0001481 mg/L		12:01:29
2	Tl 190.801†	-50.1	-7.2	-0.0146555 mg/L	-0.0146555 mg/L		12:01:29
2	V 292.395†	-1280.9	-5.1	-0.0002156 mg/L	-0.0002156 mg/L		12:01:29
2	Zn 206.200†	-76.8	-12.1	-0.0027656 mg/L	-0.0027656 mg/L		12:01:29

Mean Data: 0A29026-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	233513.2	99.5396	%	0.41327				0.42%
Y 360.076	159436.4	98.7722	%	0.12578				0.13%
Ag 328.068†	31.0	0.0006026	mg/L	0.00071441	0.0006026	mg/L	0.00071441	118.55%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	18.9	-0.0195635	mg/L	0.00493966	-0.0195635	mg/L	0.00493966	25.25%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	0.2	-0.0054895	mg/L	0.00083041	-0.0054895	mg/L	0.00083041	15.13%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	195.9	0.0033201	mg/L	0.00124653	0.0033201	mg/L	0.00124653	37.54%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	-17.5	-0.0009523	mg/L	0.00007500	-0.0009523	mg/L	0.00007500	7.88%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	2.5	-0.0001067	mg/L	0.00006162	-0.0001067	mg/L	0.00006162	57.77%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-0.3	-0.0204896	mg/L	0.00010009	-0.0204896	mg/L	0.00010009	0.49%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-2.0	-0.0018451	mg/L	0.00000372	-0.0018451	mg/L	0.00000372	0.20%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-31.8	-0.0008689	mg/L	0.00181198	-0.0008689	mg/L	0.00181198	208.54%
Co 228.616†	-0.5	-0.0017198	mg/L	0.00072173	-0.0017198	mg/L	0.00072173	41.97%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	2.4	-0.0020573	mg/L	0.00016984	-0.0020573	mg/L	0.00016984	8.26%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	76.1	-0.0020051	mg/L	0.00075356	-0.0020051	mg/L	0.00075356	37.58%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	4.3	0.0012288	mg/L	0.00020770	0.0012288	mg/L	0.00020770	16.90%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	32.4	0.0140644	mg/L	0.00375106	0.0140644	mg/L	0.00375106	26.67%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	-6.4	-0.0006162	mg/L	0.00021871	-0.0006162	mg/L	0.00021871	35.49%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	3.1	-0.0106429	mg/L	0.01254712	-0.0106429	mg/L	0.01254712	117.89%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	30.6	-0.0012794	mg/L	0.00000014	-0.0012794	mg/L	0.00000014	0.01%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	9.7	-0.0010218	mg/L	0.00006214	-0.0010218	mg/L	0.00006214	6.08%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-3.1	-0.0218938	mg/L	0.00116965	-0.0218938	mg/L	0.00116965	5.34%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-1.1	-0.0019160	mg/L	0.00042375	-0.0019160	mg/L	0.00042375	22.12%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	5.3	-0.0011970	mg/L	0.00121807	-0.0011970	mg/L	0.00121807	101.76%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-8.1	-0.0132973	mg/L	0.00020801	-0.0132973	mg/L	0.00020801	1.56%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	2.7	-0.0041164	mg/L	0.00419113	-0.0041164	mg/L	0.00419113	101.82%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	128.2	-0.0045627	mg/L	0.00079871	-0.0045627	mg/L	0.00079871	17.51%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	6.2	0.0005349	mg/L	0.00054709	0.0005349	mg/L	0.00054709	102.28%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	26.1	-0.0012019	mg/L	0.00000656	-0.0012019	mg/L	0.00000656	0.55%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	0.1	0.0007541	mg/L	0.00001549	0.0007541	mg/L	0.00001549	2.05%
QC value within limits for Ti 334.940 Recovery = Not calculated								

Tl 190.801†	-3.1	-0.0098946 mg/L	0.00673296	-0.0098946 mg/L	0.00673296	68.05%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	6.7	0.0000337 mg/L	0.00035254	0.0000337 mg/L	0.00035254	>999.9%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	-8.6	-0.0024412 mg/L	0.00045874	-0.0024412 mg/L	0.00045874	18.79%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 15
Sample ID: 1001286-07
Analyst:
Initial Sample Wt:
Dilution: 25X

Autosampler Location: 17
Date Collected: 1/29/2010 12:02:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001286-07

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	160720.2	160720.2	99.5675	%			12:03:49
1	Al 396.153†	6110.2	5939.0	1.85980	mg/L	46.4950	mg/L	12:04:09
1	Ba 455.398†	3383.5	3320.8	0.0101676	mg/L	0.254189	mg/L	12:04:09
1	Ca 315.887†	68664.2	68825.0	41.1865	mg/L	1029.66	mg/L	12:03:49
1	Fe 238.204†	14148.4	14171.7	5.33208	mg/L	133.302	mg/L	12:04:09
1	K 766.490	199.4	233.7	0.329528	mg/L	8.23819	mg/L	12:04:09
1	Li 670.784†	117.1	125.8	0.0034647	mg/L	0.0866181	mg/L	12:04:09
1	Mg 279.071†	7839.2	7859.8	15.6795	mg/L	391.988	mg/L	12:04:09
1	Na 589.592†	1224.7	304.5	0.0248833	mg/L	0.622084	mg/L	12:04:09
1	Sr 407.771†	16765.8	16185.9	0.0192211	mg/L	0.480527	mg/L	12:04:09
1	Ti 334.940†	1231.4	1239.1	0.0782954	mg/L	1.95738	mg/L	12:04:09
1	Sc 357.234	235164.5	235164.5	100.243	%			12:04:40
1	Ag 328.068†	-92.3	-164.7	-0.0011465	mg/L	-0.0286628	mg/L	12:04:40
1	As 188.979†	-26.2	0.7	-0.0053759	mg/L	-0.134397	mg/L	12:05:00
1	B 249.677†	401.6	104.7	-0.0009052	mg/L	-0.0226293	mg/L	12:05:00
1	Be 234.861†	-391.7	435.0	0.0000769	mg/L	0.0019225	mg/L	12:04:40
1	Cd 214.437†	206.1	0.5	-0.0028560	mg/L	-0.0713994	mg/L	12:05:00
1	Ce 413.764†	765.8	156.5	0.0042473	mg/L	0.106182	mg/L	12:04:40
1	Co 228.616†	-67.2	7.5	-0.0008849	mg/L	-0.0221217	mg/L	12:05:00
1	Cr 205.557†	28.6	57.0	0.0026741	mg/L	0.0668521	mg/L	12:05:00
1	Cu 327.397†	465.9	235.2	0.0027924	mg/L	0.0698108	mg/L	12:04:40
1	Mn 257.610†	56828.5	56483.9	0.359087	mg/L	8.97718	mg/L	12:04:40
1	Mo 202.031†	140.9	60.6	0.0049510	mg/L	0.123776	mg/L	12:05:00
1	Ni 231.604†	522.7	67.9	0.0034187	mg/L	0.0854666	mg/L	12:05:00
1	Pb 220.353†	-35.5	-5.0	-0.0061946	mg/L	-0.154864	mg/L	12:05:00
1	Sb 217.584†	-83.6	-36.0	-0.0174384	mg/L	-0.435960	mg/L	12:05:00
1	Se 196.026†	-33.2	8.3	0.0130603	mg/L	0.326507	mg/L	12:05:00
1	Si 251.611†	4791.6	4605.4	0.387269	mg/L	9.68173	mg/L	12:05:00
1	Sn 189.927†	-73.3	-95.5	-0.0337346	mg/L	-0.843365	mg/L	12:05:00
1	Tl 190.801†	-48.2	-4.8	-0.0110755	mg/L	-0.276888	mg/L	12:05:00
1	V 292.395†	-945.2	342.6	0.0061602	mg/L	0.154006	mg/L	12:05:00
1	Zn 206.200†	72.9	138.1	0.0103069	mg/L	0.257673	mg/L	12:05:00
2	Y 360.076	161537.8	161537.8	100.074	%			12:04:14
2	Al 396.153†	6165.6	5963.2	1.86748	mg/L	46.6871	mg/L	12:04:34
2	Ba 455.398†	3405.2	3325.3	0.0101825	mg/L	0.254564	mg/L	12:04:34
2	Ca 315.887†	69313.1	69124.3	41.3657	mg/L	1034.14	mg/L	12:04:14
2	Fe 238.204†	14289.4	14240.7	5.35805	mg/L	133.951	mg/L	12:04:34
2	K 766.490	219.5	253.8	0.360993	mg/L	9.02483	mg/L	12:04:34
2	Li 670.784†	146.3	154.4	0.0043467	mg/L	0.108668	mg/L	12:04:34
2	Mg 279.071†	7886.1	7866.9	15.6937	mg/L	392.342	mg/L	12:04:34
2	Na 589.592†	1262.0	335.6	0.0296096	mg/L	0.740241	mg/L	12:04:34
2	Sr 407.771†	16919.1	16253.9	0.0193071	mg/L	0.482676	mg/L	12:04:34
2	Ti 334.940†	1259.1	1260.6	0.0796355	mg/L	1.99089	mg/L	12:04:34
2	Sc 357.234	232204.3	232204.3	98.9817	%			12:05:06
2	Ag 328.068†	-207.0	-281.8	-0.0028950	mg/L	-0.0723758	mg/L	12:05:06
2	As 188.979†	-22.2	4.3	-0.0000133	mg/L	-0.0003335	mg/L	12:05:26
2	B 249.677†	407.9	116.2	-0.0003053	mg/L	-0.0076313	mg/L	12:05:26
2	Be 234.861†	-383.3	438.5	0.0000843	mg/L	0.0021065	mg/L	12:05:06
2	Cd 214.437†	212.3	9.3	-0.0025573	mg/L	-0.0639325	mg/L	12:05:26
2	Ce 413.764†	794.9	195.6	0.0053158	mg/L	0.132896	mg/L	12:05:06
2	Co 228.616†	-57.7	16.3	0.0004091	mg/L	0.0102269	mg/L	12:05:26
2	Cr 205.557†	26.2	55.0	0.0025100	mg/L	0.0627503	mg/L	12:05:26

2	Cu 327.397†	467.6	242.9	0.0030218 mg/L	0.0755459 mg/L	12:05:06
2	Mn 257.610†	56149.1	56520.2	0.359320 mg/L	8.98299 mg/L	12:05:06
2	Mo 202.031†	147.1	68.7	0.0059039 mg/L	0.147599 mg/L	12:05:26
2	Ni 231.604†	535.2	87.2	0.0049035 mg/L	0.122588 mg/L	12:05:26
2	Pb 220.353†	-22.9	7.3	-0.0001879 mg/L	-0.0046987 mg/L	12:05:26
2	Sb 217.584†	-90.1	-43.6	-0.0227988 mg/L	-0.569971 mg/L	12:05:26
2	Se 196.026†	-45.2	-4.2	-0.0113136 mg/L	-0.282840 mg/L	12:05:26
2	Si 251.611†	4800.1	4674.9	0.393334 mg/L	9.83336 mg/L	12:05:26
2	Sn 189.927†	-61.3	-84.3	-0.0289455 mg/L	-0.723638 mg/L	12:05:26
2	Tl 190.801†	-44.5	-1.7	-0.0075322 mg/L	-0.188304 mg/L	12:05:26
2	V 292.395†	-926.7	349.3	0.0063061 mg/L	0.157652 mg/L	12:05:26
2	Zn 206.200†	63.5	129.5	0.0095097 mg/L	0.237742 mg/L	12:05:26

Mean Data: 1001286-07

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	233684.4	99.6126	%	0.89226				0.90%
Y 360.076	161129.0	99.8208	%	0.35817				0.36%
Ag 328.068†	-223.2	-0.0020208	mg/L	0.00123639	-0.0505193	mg/L	0.03090981	61.18%
Al 396.153†	5951.1	1.86364	mg/L	0.005431	46.5910	mg/L	0.13578	0.29%
As 188.979†	2.5	-0.0026946	mg/L	0.00379190	-0.0673654	mg/L	0.09479751	140.72%
B 249.677†	110.4	-0.0006052	mg/L	0.00042421	-0.0151303	mg/L	0.01060516	70.09%
Ba 455.398†	3323.1	0.0101751	mg/L	0.00001059	0.254376	mg/L	0.0002647	0.10%
Be 234.861†	436.7	0.0000806	mg/L	0.00000520	0.0020145	mg/L	0.00013006	6.46%
Ca 315.887†	68974.6	41.2761	mg/L	0.12670	1031.90	mg/L	3.168	0.31%
Cd 214.437†	4.9	-0.0027066	mg/L	0.00021120	-0.0676660	mg/L	0.00527990	7.80%
Ce 413.764†	176.1	0.0047816	mg/L	0.00075559	0.119539	mg/L	0.0188897	15.80%
Co 228.616†	11.9	-0.0002379	mg/L	0.00091496	-0.0059474	mg/L	0.02287391	384.60%
Cr 205.557†	56.0	0.0025920	mg/L	0.00011602	0.0648012	mg/L	0.00290041	4.48%
Cu 327.397†	239.1	0.0029071	mg/L	0.00016222	0.0726784	mg/L	0.00405539	5.58%
Fe 238.204†	14206.2	5.34507	mg/L	0.018361	133.627	mg/L	0.4590	0.34%
K 766.490	243.7	0.345260	mg/L	0.0222495	8.63151	mg/L	0.556237	6.44%
Li 670.784†	140.1	0.0039057	mg/L	0.00062368	0.0976433	mg/L	0.01559194	15.97%
Mg 279.071†	7863.4	15.6866	mg/L	0.01002	392.165	mg/L	0.2504	0.06%
Mn 257.610†	56502.1	0.359203	mg/L	0.0001644	8.98008	mg/L	0.004111	0.05%
Mo 202.031†	64.7	0.0054275	mg/L	0.00067381	0.135687	mg/L	0.0168452	12.41%
Na 589.592†	320.1	0.0272465	mg/L	0.00334199	0.681162	mg/L	0.0835498	12.27%
Ni 231.604†	77.6	0.0041611	mg/L	0.00104994	0.104027	mg/L	0.0262486	25.23%
Pb 220.353†	1.1	-0.0031913	mg/L	0.00424732	-0.0797815	mg/L	0.10618308	133.09%
Sb 217.584†	-39.8	-0.0201186	mg/L	0.00379039	-0.502966	mg/L	0.0947599	18.84%
Se 196.026†	2.0	0.0008733	mg/L	0.01723493	0.0218335	mg/L	0.43087328	>999.9%
Si 251.611†	4640.1	0.390302	mg/L	0.0042887	9.75754	mg/L	0.107218	1.10%
Sn 189.927†	-89.9	-0.0313401	mg/L	0.00338639	-0.783501	mg/L	0.0846598	10.81%
Sr 407.771†	16219.9	0.0192641	mg/L	0.00006079	0.481602	mg/L	0.0015198	0.32%
Ti 334.940†	1249.9	0.0789654	mg/L	0.00094758	1.97414	mg/L	0.023690	1.20%
Tl 190.801†	-3.3	-0.0093038	mg/L	0.00250553	-0.232596	mg/L	0.0626381	26.93%
V 292.395†	346.0	0.0062332	mg/L	0.00010314	0.155829	mg/L	0.0025785	1.65%
Zn 206.200†	133.8	0.0099083	mg/L	0.00056376	0.247707	mg/L	0.0140939	5.69%

==========

Sequence No.: 16
Sample ID: 0A29026-srd1
Analyst:
Initial Sample Wt:
Dilution: 125X

Autosampler Location: 18
Date Collected: 1/29/2010 12:06:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A29026-srd1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	160981.2	160981.2	99.7292	%			12:07:44
1	Al 396.153†	1387.3	1193.3	0.353241	mg/L	44.1551	mg/L	12:08:04
1	Ba 455.398†	743.0	667.7	0.0013301	mg/L	0.166263	mg/L	12:07:44
1	Ca 315.887†	13931.9	13832.3	8.26131	mg/L	1032.66	mg/L	12:08:04
1	Fe 238.204†	2864.1	2833.7	1.06587	mg/L	133.233	mg/L	12:08:04
1	K 766.490	56.0	90.3	0.104800	mg/L	13.1000	mg/L	12:08:04
1	Li 670.784†	68.9	77.3	0.0019665	mg/L	0.245812	mg/L	12:08:04
1	Mg 279.071†	1571.3	1562.1	3.10279	mg/L	387.849	mg/L	12:08:04
1	Na 589.592†	996.7	74.0	-0.0101681	mg/L	-1.27101	mg/L	12:07:44
1	Sr 407.771†	3883.5	3241.3	0.0028615	mg/L	0.357688	mg/L	12:07:44

1	Ti 334.940†	244.1	247.2	0.0162153 mg/L	2.02692 mg/L	12:08:04
1	Sc 357.234	232470.5	232470.5	99.0951 %		12:08:35
1	Ag 328.068†	72.0	0.0	0.0003684 mg/L	0.0460490 mg/L	12:08:35
1	As 188.979†	-28.3	-1.7	-0.0085149 mg/L	-1.06436 mg/L	12:08:55
1	B 249.677†	347.8	55.1	*-0.0039464 mg/L*	*-0.493303 mg/L*	*12:08:55*
1	Be 234.861†	-742.7	76.3	-0.0001282 mg/L	-0.0160219 mg/L	12:08:55
1	Cd 214.437†	193.2	-10.2	-0.0023460 mg/L	-0.293252 mg/L	12:08:55
1	Ce 413.764†	547.2	-55.2	-0.0015142 mg/L	-0.189281 mg/L	12:08:35
1	Co 228.616†	-60.9	13.1	0.0002248 mg/L	0.0280941 mg/L	12:08:55
1	Cr 205.557†	-13.5	14.9	-0.0009810 mg/L	-0.122630 mg/L	12:08:55
1	Cu 327.397†	295.9	69.1	-0.0022031 mg/L	-0.275392 mg/L	12:08:35
1	Mn 257.610†	11445.9	11343.9	0.0709385 mg/L	8.86731 mg/L	12:08:35
1	Mo 202.031†	111.5	32.6	0.0016658 mg/L	0.208224 mg/L	12:08:55
1	Ni 231.604†	462.0	12.7	-0.0008522 mg/L	-0.106519 mg/L	12:08:55
1	Pb 220.353†	-20.2	10.0	0.0011315 mg/L	0.141440 mg/L	12:08:55
1	Sb 217.584†	-58.9	-12.0	-0.0129549 mg/L	-1.61936 mg/L	12:08:55
1	Se 196.026†	-38.7	2.4	-0.0035652 mg/L	-0.445645 mg/L	12:08:55
1	Si 251.611†	1166.4	1002.4	0.0719470 mg/L	8.99338 mg/L	12:08:55
1	Sn 189.927†	-0.1	-22.4	-0.0098296 mg/L	-1.22870 mg/L	12:08:55
1	Tl 190.801†	-46.5	-3.7	-0.0104526 mg/L	-1.30657 mg/L	12:08:55
1	V 292.395†	-1188.4	86.3	0.0015380 mg/L	0.192252 mg/L	12:08:55
1	Zn 206.200†	-44.4	20.6	0.0000904 mg/L	0.0113014 mg/L	12:08:55
2	Y 360.076	158494.8	158494.8	98.1889 %		12:08:09
2	Al 396.153†	1370.9	1198.3	0.354891 mg/L	44.3614 mg/L	12:08:29
2	Ba 455.398†	718.8	654.8	0.0012870 mg/L	0.160878 mg/L	12:08:09
2	Ca 315.887†	13939.7	14059.3	8.39724 mg/L	1049.66 mg/L	12:08:29
2	Fe 238.204†	2846.5	2860.9	1.07609 mg/L	134.511 mg/L	12:08:29
2	K 766.490	52.6	86.9	0.0995365 mg/L	12.4421 mg/L	12:08:29
2	Li 670.784†	54.2	63.4	0.0015384 mg/L	0.192302 mg/L	12:08:29
2	Mg 279.071†	1571.4	1587.0	3.15248 mg/L	394.060 mg/L	12:08:29
2	Na 589.592†	942.0	33.9	-0.0162621 mg/L	-2.03277 mg/L	12:08:09
2	Sr 407.771†	3844.6	3262.8	0.0028886 mg/L	0.361080 mg/L	12:08:09
2	Ti 334.940†	253.3	260.4	0.0170423 mg/L	2.13028 mg/L	12:08:29
2	Sc 357.234	234067.6	234067.6	99.7759 %		12:09:00
2	Ag 328.068†	79.5	7.1	0.0004830 mg/L	0.0603759 mg/L	12:09:00
2	*As 188.979†*	*-23.2*	*3.6*	*-0.0006492 mg/L*	*-0.0811549 mg/L*	*12:09:20*
2	B 249.677†	339.0	43.8	-0.0045320 mg/L	-0.566499 mg/L	12:09:20
2	Be 234.861†	-723.1	101.0	-0.0000176 mg/L	-0.0022024 mg/L	12:09:20
2	Cd 214.437†	198.2	-6.5	-0.0022231 mg/L	-0.277886 mg/L	12:09:20
2	Ce 413.764†	598.6	-7.4	-0.0002096 mg/L	-0.0261954 mg/L	12:09:00
2	Co 228.616†	-70.6	3.8	-0.0011528 mg/L	-0.144102 mg/L	12:09:20
2	Cr 205.557†	-18.9	9.6	-0.0014102 mg/L	-0.176275 mg/L	12:09:20
2	Cu 327.397†	279.7	50.9	-0.0027472 mg/L	-0.343400 mg/L	12:09:00
2	Mn 257.610†	11498.9	11318.2	0.0707745 mg/L	8.84681 mg/L	12:09:00
2	Mo 202.031†	103.5	23.8	0.0006351 mg/L	0.0793934 mg/L	12:09:20
2	Ni 231.604†	473.3	20.9	-0.0002215 mg/L	-0.0276853 mg/L	12:09:20
2	Pb 220.353†	-30.4	-0.1	-0.0038185 mg/L	-0.477317 mg/L	12:09:20
2	Sb 217.584†	-64.1	-16.9	-0.0164116 mg/L	-2.05145 mg/L	12:09:20
2	Se 196.026†	-38.5	2.9	-0.0025521 mg/L	-0.319012 mg/L	12:09:20
2	Si 251.611†	1163.2	991.3	0.0709476 mg/L	8.86845 mg/L	12:09:20
2	Sn 189.927†	-4.2	-26.5	-0.0115537 mg/L	-1.44421 mg/L	12:09:20
2	Tl 190.801†	-44.0	-0.8	-0.0071194 mg/L	-0.889927 mg/L	12:09:20
2	V 292.395†	-1201.5	81.3	0.0014187 mg/L	0.177344 mg/L	12:09:20
2	Zn 206.200†	-44.9	20.3	0.0000685 mg/L	0.0085651 mg/L	12:09:20

Mean Data: 0A29026-srd1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	233269.1	99.4355	%	0.48138				0.48%
Y 360.076	159738.0	98.9591	%	1.08922				1.10%
Ag 328.068†	3.5	0.0004257	mg/L	0.00008105	0.0532125	mg/L	0.01013069	19.04%
Al 396.153†	1195.8	0.354066	mg/L	0.0011669	44.2583	mg/L	0.14586	0.33%
As 188.979†	0.9	-0.0045821	mg/L	0.00556185	-0.572758	mg/L	0.6952314	121.38%
B 249.677†	49.4	-0.0042392	mg/L	0.00041406	-0.529901	mg/L	0.0517571	9.77%
Ba 455.398†	661.2	0.0013086	mg/L	0.00003046	0.163570	mg/L	0.0038078	2.33%
Be 234.861†	*88.6*	*-0.0000729*	*mg/L*	*0.00007818*	*-0.0091122*	*mg/L*	*0.00977190*	*107.24%*
Ca 315.887†	13945.8	8.32928	mg/L	0.096119	1041.16	mg/L	12.015	1.15%
Cd 214.437†	-8.3	-0.0022846	mg/L	0.00008693	-0.285569	mg/L	0.0108658	3.80%
Ce 413.764†	-31.3	-0.0008619	mg/L	0.00092255	-0.107738	mg/L	0.1153189	107.04%
Co 228.616†	8.4	-0.0004640	mg/L	0.00097409	-0.0580041	mg/L	0.12176137	209.92%

Cr 205.557†	12.2	-0.0011956	mg/L	0.00030346	-0.149453	mg/L	0.0379323	25.38%
Cu 327.397†	60.0	-0.0024752	mg/L	0.00038471	-0.309396	mg/L	0.0480888	15.54%
Fe 238.204†	2847.3	1.07098	mg/L	0.007231	133.872	mg/L	0.9039	0.68%
K 766.490	88.6	0.102168	mg/L	0.0037220	12.7710	mg/L	0.46525	3.64%
Li 670.784†	70.3	0.0017525	mg/L	0.00030270	0.219057	mg/L	0.0378376	17.27%
Mg 279.071†	1574.6	3.12763	mg/L	0.035132	390.954	mg/L	4.3915	1.12%
Mn 257.610†	11331.1	0.0708565	mg/L	0.00011599	8.85706	mg/L	0.014499	0.16%
Mo 202.031†	28.2	0.0011505	mg/L	0.00072878	0.143809	mg/L	0.0910971	63.35%
Na 589.592†	54.0	-0.0132151	mg/L	0.00430915	-1.65189	mg/L	0.538643	32.61%
Ni 231.604†	16.8	-0.0005368	mg/L	0.00044595	-0.0671023	mg/L	0.05574406	83.07%
Pb 220.353†	5.0	-0.0013435	mg/L	0.00350022	-0.167938	mg/L	0.4375276	260.53%
Sb 217.584†	-14.4	-0.0146833	mg/L	0.00244428	-1.83541	mg/L	0.305535	16.65%
Se 196.026†	2.6	-0.0030586	mg/L	0.00071634	-0.382328	mg/L	0.0895431	23.42%
Si 251.611†	996.8	0.0714473	mg/L	0.00070671	8.93091	mg/L	0.088338	0.99%
Sn 189.927†	-24.4	-0.0106917	mg/L	0.00121914	-1.33646	mg/L	0.152392	11.40%
Sr 407.771†	3252.0	0.0028751	mg/L	0.00001919	0.359384	mg/L	0.0023982	0.67%
Ti 334.940†	253.8	0.0166288	mg/L	0.00058473	2.07860	mg/L	0.073091	3.52%
Tl 190.801†	-2.3	-0.0087860	mg/L	0.00235691	-1.09825	mg/L	0.294614	26.83%
V 292.395†	83.8	0.0014784	mg/L	0.00008434	0.184798	mg/L	0.0105420	5.70%
Zn 206.200†	20.4	0.0000795	mg/L	0.00001548	0.0099333	mg/L	0.00193489	19.48%

Sequence No.: 17
Sample ID: 1000596-ps3
Analyst:
Initial Sample Wt:
Dilution: 25X

Autosampler Location: 19
Date Collected: 1/29/2010 12:10:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000596-ps3

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	160475.7	160475.7	99.4161	%			12:11:41
1	Al 396.153†	9939.9	9800.5	3.07772	mg/L	76.9431	mg/L	12:11:46
1	Ba 455.398†	76331.1	76702.1	0.254596	mg/L	6.36489	mg/L	12:11:41
1	Ca 315.887†	88179.9	88560.4	53.0024	mg/L	1325.06	mg/L	12:11:41
1	Fe 238.204†	14729.7	14778.1	5.55945	mg/L	138.986	mg/L	12:11:46
1	K 766.490	8012.3	8046.6	12.5755	mg/L	314.388	mg/L	12:11:46
1	Li 670.784†	7989.3	8044.5	0.247960	mg/L	6.19899	mg/L	12:11:46
1	Mg 279.071†	13879.6	13947.8	27.8374	mg/L	695.935	mg/L	12:11:46
1	Na 589.592†	81454.7	81007.7	12.2947	mg/L	307.369	mg/L	12:11:41
1	Sr 407.771†	210268.2	210850.5	0.265242	mg/L	6.63104	mg/L	12:11:41
1	Ti 334.940†	5040.3	5072.4	0.318186	mg/L	7.95464	mg/L	12:11:46
1	Sc 357.234	228835.6	228835.6	97.5457	%			12:12:02
1	Ag 328.068†	15646.8	15967.8	0.241535	mg/L	6.03838	mg/L	12:12:02
1	As 188.979†	829.4	877.1	1.28797	mg/L	32.1994	mg/L	12:12:22
1	B 249.677†	4955.6	4784.3	0.243276	mg/L	6.08189	mg/L	12:12:22
1	Be 234.861†	5007.4	5959.1	0.0253998	mg/L	0.634994	mg/L	12:12:02
1	Cd 214.437†	7321.3	7300.4	0.249119	mg/L	6.22796	mg/L	12:12:22
1	Ce 413.764†	784.5	196.8	0.0053062	mg/L	0.132654	mg/L	12:12:02
1	Co 228.616†	1585.1	1699.5	0.249864	mg/L	6.24661	mg/L	12:12:22
1	Cr 205.557†	3093.7	3200.1	0.255885	mg/L	6.39713	mg/L	12:12:22
1	Cu 327.397†	8617.9	8605.2	0.252703	mg/L	6.31757	mg/L	12:12:02
1	Mn 257.610†	93757.0	95909.5	0.610627	mg/L	15.2657	mg/L	12:12:02
1	Mo 202.031†	2197.2	2172.6	0.252867	mg/L	6.32168	mg/L	12:12:22
1	Ni 231.604†	3707.5	3347.3	0.256540	mg/L	6.41350	mg/L	12:12:22
1	Pb 220.353†	490.1	532.9	0.255795	mg/L	6.39486	mg/L	12:12:22
1	Sb 217.584†	1578.6	1665.7	1.21076	mg/L	30.2691	mg/L	12:12:22
1	Se 196.026†	607.7	664.5	1.29734	mg/L	32.4334	mg/L	12:12:22
1	Si 251.611†	18242.3	18526.7	1.60147	mg/L	40.0367	mg/L	12:12:02
1	Sn 189.927†	2708.4	2754.2	1.18111	mg/L	29.5277	mg/L	12:12:22
1	Tl 190.801†	1018.6	1087.5	1.25792	mg/L	31.4481	mg/L	12:12:22
1	V 292.395†	10743.2	12299.0	0.260848	mg/L	6.52119	mg/L	12:12:22
1	Zn 206.200†	2725.8	2859.8	0.260808	mg/L	6.52019	mg/L	12:12:22
2	Y 360.076	162648.7	162648.7	100.762	%			12:11:51
2	Al 396.153†	9944.0	9670.9	3.03686	mg/L	75.9215	mg/L	12:11:56
2	Ba 455.398†	77229.0	76567.5	0.254147	mg/L	6.35368	mg/L	12:11:51
2	Ca 315.887†	89276.8	88463.9	52.9447	mg/L	1323.62	mg/L	12:11:51
2	Fe 238.204†	14673.3	14524.1	5.46390	mg/L	136.597	mg/L	12:11:56
2	K 766.490	7972.2	8006.5	12.5126	mg/L	312.815	mg/L	12:11:56
2	Li 670.784†	7973.9	7921.7	0.244170	mg/L	6.10426	mg/L	12:11:56

2	Mg 279.071†	13809.7	13691.8	27.3263 mg/L	683.157 mg/L	12:11:56
2	Na 589.592†	82144.0	80597.2	12.2323 mg/L	305.808 mg/L	12:11:51
2	Sr 407.771†	212684.6	210423.0	0.264701 mg/L	6.61753 mg/L	12:11:51
2	Ti 334.940†	4989.7	4954.4	0.310803 mg/L	7.77007 mg/L	12:11:56
2	Sc 357.234	233896.5	233896.5	99.7030 %		12:12:27
2	Ag 328.068†	15741.1	15715.3	0.237727 mg/L	5.94316 mg/L	12:12:27
2	As 188.979†	819.5	848.7	1.24605 mg/L	31.1512 mg/L	12:12:47
2	B 249.677†	4983.0	4701.9	0.238968 mg/L	5.97421 mg/L	12:12:47
2	Be 234.861†	5046.8	5887.6	0.0251032 mg/L	0.627580 mg/L	12:12:27
2	Cd 214.437†	7339.2	7155.9	0.244150 mg/L	6.10376 mg/L	12:12:47
2	Ce 413.764†	807.7	202.7	0.0054690 mg/L	0.136726 mg/L	12:12:27
2	Co 228.616†	1583.0	1662.3	0.244355 mg/L	6.10888 mg/L	12:12:47
2	Cr 205.557†	3082.2	3119.9	0.249418 mg/L	6.23544 mg/L	12:12:47
2	Cu 327.397†	8711.7	8508.2	0.249802 mg/L	6.24504 mg/L	12:12:27
2	Mn 257.610†	94386.6	94461.2	0.601383 mg/L	15.0346 mg/L	12:12:27
2	Mo 202.031†	2211.3	2138.0	0.248816 mg/L	6.22040 mg/L	12:12:47
2	Ni 231.604†	3703.5	3261.0	0.249882 mg/L	6.24705 mg/L	12:12:47
2	Pb 220.353†	481.0	512.8	0.245998 mg/L	6.14996 mg/L	12:12:47
2	Sb 217.584†	1598.8	1650.9	1.19980 mg/L	29.9950 mg/L	12:12:47
2	Se 196.026†	604.1	647.4	1.26381 mg/L	31.5951 mg/L	12:12:47
2	Si 251.611†	18382.3	18262.5	1.57848 mg/L	39.4619 mg/L	12:12:27
2	Sn 189.927†	2720.3	2706.1	1.16062 mg/L	29.0154 mg/L	12:12:47
2	Tl 190.801†	1020.3	1066.6	1.23354 mg/L	30.8386 mg/L	12:12:47
2	V 292.395†	10734.4	12051.9	0.255614 mg/L	6.39036 mg/L	12:12:47
2	Zn 206.200†	2724.7	2798.2	0.255154 mg/L	6.37885 mg/L	12:12:47

Mean Data: 1000596-ps3

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	231366.1	98.6243	%	1.52546				1.55%
Y 360.076	161562.2	100.089	%	0.9519				0.95%
Ag 328.068†	15841.6	0.239631	mg/L	0.0026931	5.99077	mg/L	0.067328	1.12%
Al 396.153†	9735.7	3.05729	mg/L	0.028897	76.4323	mg/L	0.72243	0.95%
As 188.979†	862.9	1.26701	mg/L	0.029646	31.6753	mg/L	0.74115	2.34%
B 249.677†	4743.1	0.241122	mg/L	0.0030458	6.02805	mg/L	0.076146	1.26%
Ba 455.398†	76634.8	0.254371	mg/L	0.0003171	6.35929	mg/L	0.007928	0.12%
Be 234.861†	5923.4	0.0252515	mg/L	0.00020971	0.631287	mg/L	0.0052427	0.83%
Ca 315.887†	88512.1	52.9735	mg/L	0.04085	1324.34	mg/L	1.021	0.08%
Cd 214.437†	7228.1	0.246634	mg/L	0.0035130	6.16586	mg/L	0.087826	1.42%
Ce 413.764†	199.8	0.0053876	mg/L	0.00011516	0.134690	mg/L	0.0028791	2.14%
Co 228.616†	1680.9	0.247110	mg/L	0.0038956	6.17774	mg/L	0.097390	1.58%
Cr 205.557†	3160.0	0.252651	mg/L	0.0045732	6.31629	mg/L	0.114329	1.81%
Cu 327.397†	8556.7	0.251252	mg/L	0.0020514	6.28130	mg/L	0.051285	0.82%
Fe 238.204†	14651.1	5.51167	mg/L	0.067570	137.792	mg/L	1.6892	1.23%
K 766.490	8026.5	12.5441	mg/L	0.04449	313.601	mg/L	1.1123	0.35%
Li 670.784†	7983.1	0.246065	mg/L	0.0026793	6.15163	mg/L	0.066983	1.09%
Mg 279.071†	13819.8	27.5818	mg/L	0.36142	689.546	mg/L	9.0354	1.31%
Mn 257.610†	95185.4	0.606005	mg/L	0.0065363	15.1501	mg/L	0.16341	1.08%
Mo 202.031†	2155.3	0.250842	mg/L	0.0028647	6.27104	mg/L	0.071617	1.14%
Na 589.592†	80802.4	12.2635	mg/L	0.04414	306.588	mg/L	1.1035	0.36%
Ni 231.604†	3304.1	0.253211	mg/L	0.0047078	6.33028	mg/L	0.117696	1.86%
Pb 220.353†	522.8	0.250896	mg/L	0.0069269	6.27241	mg/L	0.173173	2.76%
Sb 217.584†	1658.3	1.20528	mg/L	0.007751	30.1321	mg/L	0.19378	0.64%
Se 196.026†	655.9	1.28057	mg/L	0.023709	32.0143	mg/L	0.59274	1.85%
Si 251.611†	18394.6	1.58997	mg/L	0.016257	39.7493	mg/L	0.40643	1.02%
Sn 189.927†	2730.2	1.17086	mg/L	0.014488	29.2715	mg/L	0.36220	1.24%
Sr 407.771†	210636.7	0.264971	mg/L	0.0003821	6.62429	mg/L	0.009551	0.14%
Ti 334.940†	5013.4	0.314494	mg/L	0.0052204	7.86236	mg/L	0.130511	1.66%
Tl 190.801†	1077.0	1.24573	mg/L	0.017240	31.1434	mg/L	0.43101	1.38%
V 292.395†	12175.4	0.258231	mg/L	0.0037004	6.45577	mg/L	0.092511	1.43%
Zn 206.200†	2829.0	0.257981	mg/L	0.0039979	6.44952	mg/L	0.099948	1.55%

==========

Sequence No.: 18
Sample ID: 0A29026-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 1/29/2010 12:14:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A29026-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	157913.0	157913.0	97.8285	%			12:15:06
1	Al 396.153†	8166.4	8149.9	2.54059	mg/L	2.54059	mg/L	12:15:26
1	Ba 455.398†	149377.4	152615.9	0.507459	mg/L	0.507459	mg/L	12:15:06
1	Ca 315.887†	8470.1	8520.7	5.08116	mg/L	5.08116	mg/L	12:15:26
1	Fe 238.204†	1366.4	1358.6	0.510222	mg/L	0.510222	mg/L	12:15:26
1	K 766.490	3220.3	3254.6	5.06453	mg/L	5.06453	mg/L	12:15:26
1	Li 670.784†	16062.9	16427.6	0.506797	mg/L	0.506797	mg/L	12:15:26
1	Mg 279.071†	2514.8	2557.2	5.09005	mg/L	5.09005	mg/L	12:15:26
1	Na 589.592†	33559.2	33378.7	5.05338	mg/L	5.05338	mg/L	12:15:06
1	Sr 407.771†	394071.2	402165.8	0.507029	mg/L	0.507029	mg/L	12:15:06
1	Ti 334.940†	7900.6	8078.4	0.506309	mg/L	0.506309	mg/L	12:15:26
1	Sc 357.234	233733.9	233733.9	99.6337	%			12:15:58
1	Ag 328.068†	33415.8	33466.0	0.503331	mg/L	0.503331	mg/L	12:15:58
1	As 188.979†	1706.9	1740.0	2.56166	mg/L	2.56166	mg/L	12:16:18
1	B 249.677†	9896.3	9636.8	0.495918	mg/L	0.495918	mg/L	12:15:58
1	Be 234.861†	10186.8	11050.0	0.0505164	mg/L	0.0505164	mg/L	12:16:18
1	Cd 214.437†	14934.4	14784.1	0.508525	mg/L	0.508525	mg/L	12:16:18
1	Ce 413.764†	549.2	-56.1	-0.0016264	mg/L	-0.0016264	mg/L	12:15:58
1	Co 228.616†	3339.0	3425.9	0.506023	mg/L	0.506023	mg/L	12:16:18
1	Cr 205.557†	6282.3	6333.9	0.508024	mg/L	0.508024	mg/L	12:16:18
1	Cu 327.397†	17146.6	16980.1	0.502726	mg/L	0.502726	mg/L	12:15:58
1	Mn 257.610†	80203.3	80291.7	0.510797	mg/L	0.510797	mg/L	12:15:58
1	Mo 202.031†	4450.0	4386.5	0.512754	mg/L	0.512754	mg/L	12:16:18
1	Ni 231.604†	7066.9	6639.4	0.510659	mg/L	0.510659	mg/L	12:16:18
1	Pb 220.353†	1012.4	1046.5	0.505956	mg/L	0.505956	mg/L	12:16:18
1	Sb 217.584†	3472.6	3532.8	2.54232	mg/L	2.54232	mg/L	12:16:18
1	Se 196.026†	1266.1	1312.1	2.55874	mg/L	2.55874	mg/L	12:16:18
1	Si 251.611†	29268.2	29201.2	2.53103	mg/L	2.53103	mg/L	12:15:58
1	Sn 189.927†	5971.8	5971.4	2.53926	mg/L	2.53926	mg/L	12:16:18
1	Tl 190.801†	2153.7	2204.9	2.55542	mg/L	2.55542	mg/L	12:16:18
1	V 292.395†	22653.6	24022.4	0.511747	mg/L	0.511747	mg/L	12:15:58
1	Zn 206.200†	5507.1	5592.6	0.513624	mg/L	0.513624	mg/L	12:16:18
2	Y 360.076	159634.0	159634.0	98.8946	%			12:15:32
2	Al 396.153†	8220.6	8114.7	2.52950	mg/L	2.52950	mg/L	12:15:52
2	Ba 455.398†	150807.2	152415.5	0.506792	mg/L	0.506792	mg/L	12:15:32
2	Ca 315.887†	8527.1	8485.0	5.05978	mg/L	5.05978	mg/L	12:15:52
2	Fe 238.204†	1376.2	1353.5	0.508300	mg/L	0.508300	mg/L	12:15:52
2	K 766.490	3255.3	3289.6	5.11934	mg/L	5.11934	mg/L	12:15:52
2	Li 670.784†	16152.1	16340.8	0.504116	mg/L	0.504116	mg/L	12:15:52
2	Mg 279.071†	2534.7	2549.7	5.07497	mg/L	5.07497	mg/L	12:15:52
2	Na 589.592†	33828.3	33280.9	5.03851	mg/L	5.03851	mg/L	12:15:32
2	Sr 407.771†	397871.7	401666.0	0.506398	mg/L	0.506398	mg/L	12:15:32
2	Ti 334.940†	7960.0	8051.4	0.504617	mg/L	0.504617	mg/L	12:15:52
2	Sc 357.234	234016.1	234016.1	99.7540	%			12:16:23
2	Ag 328.068†	33352.2	33361.8	0.501769	mg/L	0.501769	mg/L	12:16:23
2	As 188.979†	1705.2	1736.2	2.55615	mg/L	2.55615	mg/L	12:16:43
2	B 249.677†	9930.5	9659.1	0.497075	mg/L	0.497075	mg/L	12:16:23
2	Be 234.861†	10231.7	11082.7	0.0506674	mg/L	0.0506674	mg/L	12:16:43
2	Cd 214.437†	15007.2	14839.1	0.510421	mg/L	0.510421	mg/L	12:16:43
2	Ce 413.764†	580.8	-25.2	-0.0007813	mg/L	-0.0007813	mg/L	12:16:23
2	Co 228.616†	3372.7	3455.6	0.510442	mg/L	0.510442	mg/L	12:16:43
2	Cr 205.557†	6337.5	6381.6	0.511870	mg/L	0.511870	mg/L	12:16:43
2	Cu 327.397†	17115.7	16928.4	0.501179	mg/L	0.501179	mg/L	12:16:23
2	Mn 257.610†	80087.4	80078.5	0.509436	mg/L	0.509436	mg/L	12:16:23
2	Mo 202.031†	4440.2	4371.2	0.510964	mg/L	0.510964	mg/L	12:16:43
2	Ni 231.604†	7121.8	6685.8	0.514233	mg/L	0.514233	mg/L	12:16:43
2	Pb 220.353†	1012.6	1045.5	0.505457	mg/L	0.505457	mg/L	12:16:43
2	Sb 217.584†	3499.3	3555.3	2.55857	mg/L	2.55857	mg/L	12:16:43
2	Se 196.026†	1280.1	1324.7	2.58329	mg/L	2.58329	mg/L	12:16:43
2	Si 251.611†	29201.1	29098.5	2.52208	mg/L	2.52208	mg/L	12:16:23
2	Sn 189.927†	5996.8	5989.3	2.54685	mg/L	2.54685	mg/L	12:16:43
2	Tl 190.801†	2149.3	2197.8	2.54717	mg/L	2.54717	mg/L	12:16:43
2	V 292.395†	22608.7	23950.0	0.510199	mg/L	0.510199	mg/L	12:16:23
2	Zn 206.200†	5519.9	5598.9	0.514199	mg/L	0.514199	mg/L	12:16:43

Mean Data: 0A29026-CCV

	Mean Corrected	Calib.	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Sc 357.234	233875.0	99.6938	%	0.08507				0.09%
Y 360.076	158773.5	98.3616	%	0.75389				0.77%
Ag 328.068†	33413.9	0.502550	mg/L	0.0011046	0.502550	mg/L	0.0011046	0.22%
QC value within limits for Ag 328.068 Recovery = 100.51%								
Al 396.153†	8132.3	2.53504	mg/L	0.007842	2.53504	mg/L	0.007842	0.31%
QC value within limits for Al 396.153 Recovery = 101.40%								
As 188.979†	1738.1	2.55890	mg/L	0.003897	2.55890	mg/L	0.003897	0.15%
QC value within limits for As 188.979 Recovery = 102.36%								
B 249.677†	9647.9	0.496497	mg/L	0.0008184	0.496497	mg/L	0.0008184	0.16%
QC value within limits for B 249.677 Recovery = 99.30%								
Ba 455.398†	152515.7	0.507126	mg/L	0.0004720	0.507126	mg/L	0.0004720	0.09%
QC value within limits for Ba 455.398 Recovery = 101.43%								
Be 234.861†	11066.3	0.0505919	mg/L	0.00010674	0.0505919	mg/L	0.00010674	0.21%
QC value within limits for Be 234.861 Recovery = 101.18%								
Ca 315.887†	8502.8	5.07047	mg/L	0.015115	5.07047	mg/L	0.015115	0.30%
QC value within limits for Ca 315.887 Recovery = 101.41%								
Cd 214.437†	14811.6	0.509473	mg/L	0.0013404	0.509473	mg/L	0.0013404	0.26%
QC value within limits for Cd 214.437 Recovery = 101.89%								
Ce 413.764†	-40.7	-0.0012038	mg/L	0.00059754	-0.0012038	mg/L	0.00059754	49.64%
Co 228.616†	3440.7	0.508232	mg/L	0.0031248	0.508232	mg/L	0.0031248	0.61%
QC value within limits for Co 228.616 Recovery = 101.65%								
Cr 205.557†	6357.8	0.509947	mg/L	0.0027196	0.509947	mg/L	0.0027196	0.53%
QC value within limits for Cr 205.557 Recovery = 101.99%								
Cu 327.397†	16954.3	0.501953	mg/L	0.0010937	0.501953	mg/L	0.0010937	0.22%
QC value within limits for Cu 327.397 Recovery = 100.39%								
Fe 238.204†	1356.0	0.509261	mg/L	0.0013592	0.509261	mg/L	0.0013592	0.27%
QC value within limits for Fe 238.204 Recovery = 101.85%								
K 766.490	3272.1	5.09193	mg/L	0.038755	5.09193	mg/L	0.038755	0.76%
QC value within limits for K 766.490 Recovery = 101.84%								
Li 670.784†	16384.2	0.505457	mg/L	0.0018958	0.505457	mg/L	0.0018958	0.38%
QC value within limits for Li 670.784 Recovery = 101.09%								
Mg 279.071†	2553.5	5.08251	mg/L	0.010664	5.08251	mg/L	0.010664	0.21%
QC value within limits for Mg 279.071 Recovery = 101.65%								
Mn 257.610†	80185.1	0.510116	mg/L	0.0009621	0.510116	mg/L	0.0009621	0.19%
QC value within limits for Mn 257.610 Recovery = 102.02%								
Mo 202.031†	4378.8	0.511859	mg/L	0.0012652	0.511859	mg/L	0.0012652	0.25%
QC value within limits for Mo 202.031 Recovery = 102.37%								
Na 589.592†	33329.8	5.04594	mg/L	0.010514	5.04594	mg/L	0.010514	0.21%
QC value within limits for Na 589.592 Recovery = 100.92%								
Ni 231.604†	6662.6	0.512446	mg/L	0.0025271	0.512446	mg/L	0.0025271	0.49%
QC value within limits for Ni 231.604 Recovery = 102.49%								
Pb 220.353†	1046.0	0.505707	mg/L	0.0003532	0.505707	mg/L	0.0003532	0.07%
QC value within limits for Pb 220.353 Recovery = 101.14%								
Sb 217.584†	3544.0	2.55044	mg/L	0.011492	2.55044	mg/L	0.011492	0.45%
QC value within limits for Sb 217.584 Recovery = 102.02%								
Se 196.026†	1318.4	2.57101	mg/L	0.017357	2.57101	mg/L	0.017357	0.68%
QC value within limits for Se 196.026 Recovery = 102.84%								
Si 251.611†	29149.8	2.52655	mg/L	0.006335	2.52655	mg/L	0.006335	0.25%
QC value within limits for Si 251.611 Recovery = 101.06%								
Sn 189.927†	5980.4	2.54305	mg/L	0.005366	2.54305	mg/L	0.005366	0.21%
QC value within limits for Sn 189.927 Recovery = 101.72%								
Sr 407.771†	401915.9	0.506713	mg/L	0.0004466	0.506713	mg/L	0.0004466	0.09%
QC value within limits for Sr 407.771 Recovery = 101.34%								
Ti 334.940†	8064.9	0.505463	mg/L	0.0011965	0.505463	mg/L	0.0011965	0.24%
QC value within limits for Ti 334.940 Recovery = 101.09%								
Tl 190.801†	2201.4	2.55130	mg/L	0.005835	2.55130	mg/L	0.005835	0.23%
QC value within limits for Tl 190.801 Recovery = 102.05%								
V 292.395†	23986.2	0.510973	mg/L	0.0010945	0.510973	mg/L	0.0010945	0.21%
QC value within limits for V 292.395 Recovery = 102.19%								
Zn 206.200†	5595.8	0.513911	mg/L	0.0004059	0.513911	mg/L	0.0004059	0.08%
QC value within limits for Zn 206.200 Recovery = 102.78%								

All analyte(s) passed QC.

==========

Sequence No.: 19
Sample ID: 0A29026-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/29/2010 12:17:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A29026-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	159687.9	159687.9	98.9280	%			12:19:04
1	Al 396.153†	225.7	30.4	-0.0159488	mg/L	-0.0159488	mg/L	12:19:04
1	Ba 455.398†	153.7	78.1	-0.0006338	mg/L	-0.0006338	mg/L	12:19:04
1	Ca 315.887†	142.2	6.3	-0.0165741	mg/L	-0.0165741	mg/L	12:19:24
1	Fe 238.204†	46.9	9.2	0.0030720	mg/L	0.0030720	mg/L	12:19:24
1	K 766.490	-12.7	21.6	-0.0029099	mg/L	-0.0029099	mg/L	12:19:04
1	Li 670.784†	49.7	58.4	0.0013840	mg/L	0.0013840	mg/L	12:19:04
1	Mg 279.071†	11.9	-1.3	-0.0194983	mg/L	-0.0194983	mg/L	12:19:24
1	Na 589.592†	856.0	-60.2	-0.0305646	mg/L	-0.0305646	mg/L	12:19:04
1	Sr 407.771†	600.3	-46.0	-0.0012930	mg/L	-0.0012930	mg/L	12:19:04
1	Ti 334.940†	-8.8	-6.4	0.0003453	mg/L	0.0003453	mg/L	12:19:24
1	Sc 357.234	232971.6	232971.6	99.3087	%			12:19:56
1	Ag 328.068†	115.6	43.8	0.0007892	mg/L	0.0007892	mg/L	12:19:56
1	As 188.979†	-26.4	0.3	-0.0054350	mg/L	-0.0054350	mg/L	12:20:16
1	B 249.677†	427.6	134.6	0.0001125	mg/L	0.0001125	mg/L	12:20:16
1	Be 234.861†	-804.9	15.2	-0.0000489	mg/L	-0.0000489	mg/L	12:20:16
1	Cd 214.437†	202.5	-1.2	-0.0018183	mg/L	-0.0018183	mg/L	12:20:16
1	Ce 413.764†	525.1	-78.7	-0.0021485	mg/L	-0.0021485	mg/L	12:19:56
1	Co 228.616†	-73.7	0.3	-0.0015929	mg/L	-0.0015929	mg/L	12:20:16
1	Cr 205.557†	-27.3	1.0	-0.0021632	mg/L	-0.0021632	mg/L	12:20:16
1	Cu 327.397†	242.7	14.9	-0.0038309	mg/L	-0.0038309	mg/L	12:19:56
1	Mn 257.610†	226.2	21.3	-0.0013389	mg/L	-0.0013389	mg/L	12:20:16
1	Mo 202.031†	92.5	13.3	-0.0006086	mg/L	-0.0006086	mg/L	12:20:16
1	Ni 231.604†	454.7	4.3	-0.0014983	mg/L	-0.0014983	mg/L	12:20:16
1	Pb 220.353†	-34.5	-4.3	-0.0058816	mg/L	-0.0058816	mg/L	12:20:16
1	Sb 217.584†	-44.7	2.4	-0.0057276	mg/L	-0.0057276	mg/L	12:20:16
1	Se 196.026†	-42.0	-0.8	-0.0110785	mg/L	-0.0110785	mg/L	12:20:16
1	Si 251.611†	293.2	120.7	-0.0052118	mg/L	-0.0052118	mg/L	12:20:16
1	Sn 189.927†	27.9	5.8	0.0003305	mg/L	0.0003305	mg/L	12:20:16
1	Tl 190.801†	-41.7	1.3	-0.0047843	mg/L	-0.0047843	mg/L	12:20:16
1	V 292.395†	-1208.5	68.6	0.0013448	mg/L	0.0013448	mg/L	12:19:56
1	Zn 206.200†	-73.8	-9.0	-0.0024834	mg/L	-0.0024834	mg/L	12:20:16
2	Y 360.076	160178.4	160178.4	99.2319	%			12:19:30
2	Al 396.153†	198.3	2.0	-0.0248783	mg/L	-0.0248783	mg/L	12:19:30
2	Ba 455.398†	136.2	59.9	-0.0006943	mg/L	-0.0006943	mg/L	12:19:30
2	Ca 315.887†	140.1	3.7	-0.0180922	mg/L	-0.0180922	mg/L	12:19:50
2	Fe 238.204†	45.9	8.1	0.0026497	mg/L	0.0026497	mg/L	12:19:50
2	K 766.490	17.3	51.6	0.0442061	mg/L	0.0442061	mg/L	12:19:30
2	Li 670.784†	74.3	83.1	0.0021455	mg/L	0.0021455	mg/L	12:19:30
2	Mg 279.071†	19.4	6.1	-0.0046425	mg/L	-0.0046425	mg/L	12:19:50
2	Na 589.592†	873.7	-45.0	-0.0282631	mg/L	-0.0282631	mg/L	12:19:30
2	Sr 407.771†	574.9	-73.4	-0.0013276	mg/L	-0.0013276	mg/L	12:19:30
2	Ti 334.940†	-1.8	0.6	0.0007878	mg/L	0.0007878	mg/L	12:19:50
2	Sc 357.234	234113.9	234113.9	99.7956	%			12:20:21
2	Ag 328.068†	85.1	12.6	0.0003246	mg/L	0.0003246	mg/L	12:20:21
2	As 188.979†	-24.2	2.6	-0.0020380	mg/L	-0.0020380	mg/L	12:20:41
2	B 249.677†	426.8	131.8	-0.0000366	mg/L	-0.0000366	mg/L	12:20:41
2	Be 234.861†	-821.2	2.8	-0.0001057	mg/L	-0.0001057	mg/L	12:20:41
2	Cd 214.437†	207.8	3.1	-0.0016691	mg/L	-0.0016691	mg/L	12:20:41
2	Ce 413.764†	558.9	-47.3	-0.0012924	mg/L	-0.0012924	mg/L	12:20:21
2	Co 228.616†	-74.4	0.0	-0.0016438	mg/L	-0.0016438	mg/L	12:20:41
2	Cr 205.557†	-28.6	-0.1	-0.0022572	mg/L	-0.0022572	mg/L	12:20:41
2	Cu 327.397†	251.7	22.7	-0.0035969	mg/L	-0.0035969	mg/L	12:20:21
2	Mn 257.610†	209.9	3.8	-0.0014505	mg/L	-0.0014505	mg/L	12:20:41
2	Mo 202.031†	80.1	0.4	-0.0021189	mg/L	-0.0021189	mg/L	12:20:41
2	Ni 231.604†	437.9	-14.7	-0.0029722	mg/L	-0.0029722	mg/L	12:20:41
2	Pb 220.353†	-31.4	-1.1	-0.0043192	mg/L	-0.0043192	mg/L	12:20:41
2	Sb 217.584†	-45.3	2.1	-0.0060089	mg/L	-0.0060089	mg/L	12:20:41
2	Se 196.026†	-36.5	4.9	0.0001298	mg/L	0.0001298	mg/L	12:20:41
2	Si 251.611†	286.2	112.2	-0.0059670	mg/L	-0.0059670	mg/L	12:20:41
2	Sn 189.927†	36.9	14.6	0.0041117	mg/L	0.0041117	mg/L	12:20:41
2	Tl 190.801†	-45.1	-1.9	-0.0085015	mg/L	-0.0085015	mg/L	12:20:41
2	V 292.395†	-1257.3	25.6	0.0004221	mg/L	0.0004221	mg/L	12:20:21
2	Zn 206.200†	-79.7	-14.6	-0.0029945	mg/L	-0.0029945	mg/L	12:20:41

Mean Data: 0A29026-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	233542.7	99.5522	%	0.34432				0.35%
Y 360.076	159933.2	99.0800	%	0.21484				0.22%
Ag 328.068†	28.2	0.0005569	mg/L	0.00032848	0.0005569	mg/L	0.00032848	58.98%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	16.2	-0.0204135	mg/L	0.00631413	-0.0204135	mg/L	0.00631413	30.93%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	1.4	-0.0037365	mg/L	0.00240209	-0.0037365	mg/L	0.00240209	64.29%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	133.2	0.0000380	mg/L	0.00010542	0.0000380	mg/L	0.00010542	277.48%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	69.0	-0.0006641	mg/L	0.00004281	-0.0006641	mg/L	0.00004281	6.45%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	9.0	-0.0000773	mg/L	0.00004020	-0.0000773	mg/L	0.00004020	51.99%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	5.0	-0.0173332	mg/L	0.00107342	-0.0173332	mg/L	0.00107342	6.19%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	0.9	-0.0017437	mg/L	0.00010548	-0.0017437	mg/L	0.00010548	6.05%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-63.0	-0.0017205	mg/L	0.00060530	-0.0017205	mg/L	0.00060530	35.18%
Co 228.616†	0.2	-0.0016183	mg/L	0.00003596	-0.0016183	mg/L	0.00003596	2.22%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	0.4	-0.0022102	mg/L	0.00006649	-0.0022102	mg/L	0.00006649	3.01%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	18.8	-0.0037139	mg/L	0.00016543	-0.0037139	mg/L	0.00016543	4.45%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	8.7	0.0028609	mg/L	0.00029863	0.0028609	mg/L	0.00029863	10.44%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	36.6	0.0206481	mg/L	0.03331608	0.0206481	mg/L	0.03331608	161.35%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	70.7	0.0017648	mg/L	0.00053843	0.0017648	mg/L	0.00053843	30.51%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	2.4	-0.0120704	mg/L	0.01050465	-0.0120704	mg/L	0.01050465	87.03%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	12.5	-0.0013947	mg/L	0.00007888	-0.0013947	mg/L	0.00007888	5.66%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	6.8	-0.0013638	mg/L	0.00106790	-0.0013638	mg/L	0.00106790	78.31%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-52.6	-0.0294139	mg/L	0.00162735	-0.0294139	mg/L	0.00162735	5.53%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-5.2	-0.0022352	mg/L	0.00104219	-0.0022352	mg/L	0.00104219	46.63%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-2.7	-0.0051004	mg/L	0.00110480	-0.0051004	mg/L	0.00110480	21.66%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	2.2	-0.0058683	mg/L	0.00019893	-0.0058683	mg/L	0.00019893	3.39%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	2.0	-0.0054744	mg/L	0.00792548	-0.0054744	mg/L	0.00792548	144.77%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	116.4	-0.0055894	mg/L	0.00053398	-0.0055894	mg/L	0.00053398	9.55%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	10.2	0.0022211	mg/L	0.00267373	0.0022211	mg/L	0.00267373	120.38%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	-59.7	-0.0013103	mg/L	0.00002449	-0.0013103	mg/L	0.00002449	1.87%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	-2.9	0.0005665	mg/L	0.00031289	0.0005665	mg/L	0.00031289	55.23%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.3	-0.0066429	mg/L	0.00262843	-0.0066429	mg/L	0.00262843	39.57%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	47.1	0.0008834	mg/L	0.00065244	0.0008834	mg/L	0.00065244	73.86%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	-11.8	-0.0027389	mg/L	0.00036141	-0.0027389	mg/L	0.00036141	13.20%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Analytical Sequence
Method: Solid_6010C_311

Seq.	Loc.	ID	Status
1	1	0A29026-CAL1	Applied
2	2	0A29026-CAL2	Applied

3	3	0A29026-CAL3	Applied
4	4	0A29026-CAL4	Applied
5	5	0A29026-CAL5	Applied
6	9	0A29026-SCV	QC Failed
7	1	0A29026-CCB	QC Passed
8	10	0A29026-CRL1	QC Passed
9	11	0A29026-IFA1	QC Passed
10	12	0A29026-IFA2	QC Passed
11	13	0A29026-IFB1	QC Passed
12	14	0A29026-IFB2	QC Passed
13	4	0A29026-CCV	QC Passed
14	1	0A29026-CCB	QC Passed
15	17	1001286-07	Analyzed
16	18	0A29026-srd1	Analyzed
17	19	1000596-ps3	Analyzed
18	4	0A29026-CCV	QC Passed
19	1	0A29026-CCB	QC Passed

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011810

USEPA-6020A

: 00365

SAMPLE ID SUMMARY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-VAS-56394-DR-011810-1018	1001254-01
S-VAS-56394-DR-011810-1018	1001254-02
S-SO-56394-CB-011810-062	1001254-03
S-SO-56394-CB-011810-072	1001254-04
S-SO-56394-CB-011810-057	1001254-05
S-SO-56394-DR-011910-1024	1001254-06
S-SO-56394-CB-011910-077	1001254-07
SD-SO-56394-CB-011910-077	1001254-08
S-SO-56394-CB-011910-081	1001254-09
S-SO-56394-CB-011910-086	1001254-10
S-SO-56394-CB-011910-090	1001286-01
S-SO-56394-CB-012010-094	1001286-02
S-SO-56394-CB-012010-099	1001286-03
S-SO-56394-DR-012010-1031	1001286-04
S-SO-56394-DR-012010-1035	1001286-05
S-SO-56394-DR-012010-1038	1001286-06
S-SO-56394-DR-012110-1045	1001286-07
S-SO-56394-DR-012110-1049	1001286-08
SD-SO-56394-DR-012110-1049	1001286-09
S-SO-56394-DR-012110-1050	1001286-10
S-SO-56394-CB-012010-105	1001286-11
S-SO-56394-CB-012110-107	1001286-12
S-SO-56394-CB-012110-109	1001286-13
S-SO-56394-CB-012110-114	1001286-14
S-SO-56394-CB-012110-116	1001286-15
S-SO-56394-CB-012110-118	1001286-16

: 00366

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-VAS-56394-DR-011810-1018

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/18/10 09:55
Solids: 0.00
Laboratory ID: 1001254-01

SDG: PM011810
Project: Plainwell Mill
Preparation: 3020A Digestion
Prepared: 01/22/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000571

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	1.0	ug/L	1	1.0	0.36	U	01/27/10 11:27
7440-38-2	Arsenic, Total	6.0	ug/L	1	1.0	0.38		01/27/10 11:27
7440-41-7	Beryllium, Total	1.0	ug/L	1	1.0	0.30	U	01/27/10 13:01
7440-43-9	Cadmium, Total	0.20	ug/L	1	0.20	0.055	U	01/27/10 11:27
7440-47-3	Chromium, Total	4.7	ug/L	1	5.0	0.46	J	01/27/10 11:27
7440-48-4	Cobalt, Total	1.5	ug/L	1	1.0	0.042		01/27/10 11:27
7440-50-8	Copper, Total	6.4	ug/L	1	2.0	0.71		01/27/10 11:27
7439-92-1	Lead, Total	3.6	ug/L	1	1.0	0.22		01/27/10 11:27
7782-49-2	Selenium, Total	1.1	ug/L	1	2.0	0.82	J	01/27/10 11:27
7440-22-4	Silver, Total	0.11	ug/L	1	0.20	0.061	J	01/27/10 11:27
7440-28-0	Thallium, Total	1.0	ug/L	1	1.0	0.056	U	01/27/10 11:27
7440-62-2	Vanadium, Total	2.7	ug/L	1	1.0	0.28		01/27/10 11:27

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-VAS-56394-DR-011810-1018

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/18/10 09:55
Solids: 0.00
Laboratory ID: 1001254-01

SDG: PM011810
Project: Plainwell Mill
Preparation: 3020A Digestion
Prepared: 01/28/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000730

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-66-6	Zinc, Total	35	ug/L	1	50	2.9	J	01/29/10 08:58

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-VAS-56394-DR-011810-1018

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/18/10 09:55
Solids: 0.00
Laboratory ID: 1001254-02

SDG: PM011810
Project: Plainwell Mill
Preparation: General Metals Prep
Prepared: 01/22/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000574

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Dissolved	1.0	ug/L	1	1.0	0.36	U	01/27/10 11:11
7440-38-2	Arsenic, Dissolved	1.0	ug/L	1	1.0	0.38	U	01/27/10 11:11
7440-41-7	Beryllium, Dissolved	1.0	ug/L	1	1.0	0.30	U	01/27/10 12:55
7440-43-9	Cadmium, Dissolved	0.20	ug/L	1	0.20	0.055	U	01/27/10 11:11
7440-47-3	Chromium, Dissolved	5.0	ug/L	1	5.0	0.46	U	01/27/10 11:11
7440-48-4	Cobalt, Dissolved	0.45	ug/L	1	1.0	0.042	J	01/27/10 11:11
7440-50-8	Copper, Dissolved	1.4	ug/L	1	2.0	0.71	J	01/27/10 11:11
7439-92-1	Lead, Dissolved	1.0	ug/L	1	1.0	0.22	U	01/27/10 11:11
7782-49-2	Selenium, Dissolved	0.86	ug/L	1	2.0	0.82	J	01/27/10 11:11
7440-22-4	Silver, Dissolved	0.092	ug/L	1	0.20	0.061	J	01/27/10 11:11
7440-28-0	Thallium, Dissolved	1.0	ug/L	1	1.0	0.056	U	01/27/10 11:11
7440-62-2	Vanadium, Dissolved	1.0	ug/L	1	1.0	0.28	U	01/27/10 11:11
7440-66-6	Zinc, Dissolved	10	ug/L	1	50	2.9	J	01/27/10 11:11

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011810-062

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 13:45
Solids: 89.19
Laboratory ID: 1001254-03

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 07:00
Initial/Final: 0.5073 g / 250 mL
QC Batch: 1000579

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	11	mg/kg dry wt.	1	0.10	0.030		01/25/10 12:42
7440-41-7	Beryllium, Total	0.31	mg/kg dry wt.	1	0.10	0.031		01/25/10 15:54
7440-43-9	Cadmium, Total	0.16	mg/kg dry wt.	1	0.050	0.0053		01/25/10 12:42
7440-47-3	Chromium, Total	13	mg/kg dry wt.	1	0.20	0.045		01/25/10 12:42
7440-48-4	Cobalt, Total	5.7	mg/kg dry wt.	1	0.10	0.017		01/25/10 12:42
7440-50-8	Copper, Total	10	mg/kg dry wt.	1	0.10	0.043		01/25/10 12:42
7439-92-1	Lead, Total	15	mg/kg dry wt.	1	0.10	0.049		01/25/10 12:42
7782-49-2	Selenium, Total	0.10	mg/kg dry wt.	1	0.20	0.049	J	01/25/10 12:42
7440-22-4	Silver, Total	0.073	mg/kg dry wt.	1	0.050	0.011		01/25/10 12:42
7440-28-0	Thallium, Total	0.11	mg/kg dry wt.	1	0.050	0.0061		01/25/10 12:42
7440-62-2	Vanadium, Total	20	mg/kg dry wt.	1	0.10	0.032		01/25/10 12:42
7440-66-6	Zinc, Total	30	mg/kg dry wt.	1	1.0	0.44		01/25/10 12:42

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011810-062

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 13:45
Solids: 89.19
Laboratory ID: 1001254-03

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 09:30
Initial/Final: 0.5047 g / 250 mL
QC Batch: 1000587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.16	mg/kg dry wt.	1	0.10	0.045		01/29/10 11:24

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011810-072

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 16:15
Solids: 83.11
Laboratory ID: 1001254-04

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 07:00
Initial/Final: 0.5215 g / 250 mL
QC Batch: 1000579

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	8.9	mg/kg dry wt.	1	0.10	0.030		01/25/10 12:46
7440-41-7	Beryllium, Total	0.87	mg/kg dry wt.	1	0.10	0.031		01/25/10 15:56
7440-43-9	Cadmium, Total	0.16	mg/kg dry wt.	1	0.050	0.0053		01/25/10 12:46
7440-47-3	Chromium, Total	17	mg/kg dry wt.	1	0.20	0.045		01/25/10 12:46
7440-48-4	Cobalt, Total	5.3	mg/kg dry wt.	1	0.10	0.017		01/25/10 12:46
7440-50-8	Copper, Total	38	mg/kg dry wt.	1	0.10	0.043		01/25/10 12:46
7439-92-1	Lead, Total	32	mg/kg dry wt.	1	0.10	0.049		01/25/10 12:46
7782-49-2	Selenium, Total	0.56	mg/kg dry wt.	1	0.20	0.049		01/25/10 12:46
7440-22-4	Silver, Total	0.082	mg/kg dry wt.	1	0.050	0.011		01/25/10 12:46
7440-28-0	Thallium, Total	0.20	mg/kg dry wt.	1	0.050	0.0061		01/25/10 12:46
7440-62-2	Vanadium, Total	22	mg/kg dry wt.	1	0.10	0.032		01/25/10 12:46
7440-66-6	Zinc, Total	120	mg/kg dry wt.	5	5.0	2.3		01/25/10 14:08

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011810-072

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 16:15
Solids: 83.11
Laboratory ID: 1001254-04

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 09:30
Initial/Final: 0.5193 g / 250 mL
QC Batch: 1000587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.57	mg/kg dry wt.	1	0.10	0.045		01/29/10 11:26

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011810-057

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 11:25
Solids: 91.56
Laboratory ID: 1001254-05

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 07:00
Initial/Final: 0.5015 g / 250 mL
QC Batch: 1000579

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	9.4	mg/kg dry wt.	1	0.10	0.030		01/25/10 12:49
7440-41-7	Beryllium, Total	0.33	mg/kg dry wt.	1	0.10	0.031		01/25/10 15:58
7440-43-9	Cadmium, Total	0.14	mg/kg dry wt.	1	0.050	0.0053		01/25/10 12:49
7440-47-3	Chromium, Total	15	mg/kg dry wt.	1	0.20	0.045		01/25/10 12:49
7440-48-4	Cobalt, Total	7.9	mg/kg dry wt.	1	0.10	0.017		01/25/10 12:49
7440-50-8	Copper, Total	27	mg/kg dry wt.	1	0.10	0.043		01/25/10 12:49
7439-92-1	Lead, Total	25	mg/kg dry wt.	1	0.10	0.049		01/25/10 12:49
7782-49-2	Selenium, Total	0.18	mg/kg dry wt.	1	0.20	0.049	J	01/25/10 12:49
7440-22-4	Silver, Total	0.055	mg/kg dry wt.	1	0.050	0.011		01/25/10 12:49
7440-28-0	Thallium, Total	0.11	mg/kg dry wt.	1	0.050	0.0061		01/25/10 12:49
7440-62-2	Vanadium, Total	26	mg/kg dry wt.	1	0.10	0.032		01/25/10 12:49
7440-66-6	Zinc, Total	40	mg/kg dry wt.	1	1.0	0.44		01/25/10 12:49

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011810-057

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 11:25
Solids: 91.56
Laboratory ID: 1001254-05

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 09:30
Initial/Final: 0.5125 g / 250 mL
QC Batch: 1000587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.37	mg/kg dry wt.	1	0.10	0.045		01/29/10 11:28

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-011910-1024

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 11:30
Solids: 92.07
Laboratory ID: 1001254-06

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 07:00
Initial/Final: 0.5058 g / 250 mL
QC Batch: 1000579

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	3.6	mg/kg dry wt.	1	0.10	0.030		01/25/10 12:52
7440-41-7	Beryllium, Total	0.19	mg/kg dry wt.	1	0.10	0.031		01/25/10 16:00
7440-43-9	Cadmium, Total	0.053	mg/kg dry wt.	1	0.050	0.0053		01/25/10 12:52
7440-47-3	Chromium, Total	7.7	mg/kg dry wt.	1	0.20	0.045		01/25/10 12:52
7440-48-4	Cobalt, Total	3.1	mg/kg dry wt.	1	0.10	0.017		01/25/10 12:52
7440-50-8	Copper, Total	7.2	mg/kg dry wt.	1	0.10	0.043		01/25/10 12:52
7439-92-1	Lead, Total	11	mg/kg dry wt.	1	0.10	0.049		01/25/10 12:52
7782-49-2	Selenium, Total	0.091	mg/kg dry wt.	1	0.20	0.049	J	01/25/10 12:52
7440-22-4	Silver, Total	0.024	mg/kg dry wt.	1	0.050	0.011	J	01/25/10 12:52
7440-28-0	Thallium, Total	0.055	mg/kg dry wt.	1	0.050	0.0061		01/25/10 12:52
7440-62-2	Vanadium, Total	10	mg/kg dry wt.	1	0.10	0.032		01/25/10 12:52
7440-66-6	Zinc, Total	21	mg/kg dry wt.	1	1.0	0.44		01/25/10 12:52

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-011910-1024

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 11:30
Solids: 92.07
Laboratory ID: 1001254-06

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 09:30
Initial/Final: 0.5156 g / 250 mL
QC Batch: 1000587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.12	mg/kg dry wt.	1	0.10	0.045		01/29/10 11:30

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 41.10
Laboratory ID: 1001254-07

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 07:00
Initial/Final: 0.5478 g / 250 mL
QC Batch: 1000579

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	1.9	mg/kg dry wt.	1	0.091	0.027		01/25/10 12:56
7440-41-7	Beryllium, Total	0.38	mg/kg dry wt.	1	0.091	0.028		01/25/10 16:01
7440-43-9	Cadmium, Total	0.085	mg/kg dry wt.	1	0.046	0.0048		01/25/10 12:56
7440-47-3	Chromium, Total	13	mg/kg dry wt.	1	0.18	0.041		01/25/10 12:56
7440-48-4	Cobalt, Total	1.3	mg/kg dry wt.	1	0.091	0.015		01/25/10 12:56
7440-50-8	Copper, Total	35	mg/kg dry wt.	1	0.091	0.039		01/25/10 12:56
7439-92-1	Lead, Total	8.6	mg/kg dry wt.	1	0.091	0.045		01/25/10 12:56
7782-49-2	Selenium, Total	0.34	mg/kg dry wt.	1	0.18	0.045		01/25/10 12:56
7440-22-4	Silver, Total	0.053	mg/kg dry wt.	1	0.046	0.0099		01/25/10 12:56
7440-28-0	Thallium, Total	0.084	mg/kg dry wt.	1	0.046	0.0056		01/25/10 12:56
7440-62-2	Vanadium, Total	17	mg/kg dry wt.	1	0.091	0.030		01/25/10 12:56
7440-66-6	Zinc, Total	79	mg/kg dry wt.	5	4.6	2.1		01/25/10 14:11

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 41.10
Laboratory ID: 1001254-07

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 09:30
Initial/Final: 0.5304 g / 250 mL
QC Batch: 1000587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.28	mg/kg dry wt.	1	0.10	0.042		01/29/10 11:33

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

SD-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 40.12
Laboratory ID: 1001254-08

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 07:00
Initial/Final: 0.5021 g / 250 mL
QC Batch: 1000579

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	1.6	mg/kg dry wt.	1	0.10	0.030		01/25/10 12:59
7440-41-7	Beryllium, Total	0.34	mg/kg dry wt.	1	0.10	0.031		01/25/10 16:03
7440-43-9	Cadmium, Total	0.092	mg/kg dry wt.	1	0.050	0.0053		01/25/10 12:59
7440-47-3	Chromium, Total	13	mg/kg dry wt.	1	0.20	0.045		01/25/10 12:59
7440-48-4	Cobalt, Total	1.3	mg/kg dry wt.	1	0.10	0.017		01/25/10 12:59
7440-50-8	Copper, Total	40	mg/kg dry wt.	1	0.10	0.043		01/25/10 12:59
7439-92-1	Lead, Total	6.8	mg/kg dry wt.	1	0.10	0.049		01/25/10 12:59
7782-49-2	Selenium, Total	0.38	mg/kg dry wt.	1	0.20	0.049		01/25/10 12:59
7440-22-4	Silver, Total	0.046	mg/kg dry wt.	1	0.050	0.011	J	01/25/10 12:59
7440-28-0	Thallium, Total	0.065	mg/kg dry wt.	1	0.050	0.0061		01/25/10 12:59
7440-62-2	Vanadium, Total	15	mg/kg dry wt.	1	0.10	0.032		01/25/10 12:59
7440-66-6	Zinc, Total	88	mg/kg dry wt.	5	5.0	2.3		01/25/10 14:13

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

SD-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 40.12
Laboratory ID: 1001254-08

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 09:30
Initial/Final: 0.5256 g / 250 mL
QC Batch: 1000587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.26	mg/kg dry wt.	1	0.10	0.045		01/29/10 11:35

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 12:50
Solids: 92.31
Laboratory ID: 1001254-09

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 07:00
Initial/Final: 0.5035 g / 250 mL
QC Batch: 1000579

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	1.6	mg/kg dry wt.	1	0.10	0.030		01/25/10 13:03
7440-41-7	Beryllium, Total	0.12	mg/kg dry wt.	1	0.10	0.031		01/26/10 10:42
7440-43-9	Cadmium, Total	0.020	mg/kg dry wt.	1	0.050	0.0053	J	01/25/10 13:03
7440-47-3	Chromium, Total	8.5	mg/kg dry wt.	1	0.20	0.045		01/25/10 13:03
7440-48-4	Cobalt, Total	1.2	mg/kg dry wt.	1	0.10	0.017		01/25/10 13:03
7440-50-8	Copper, Total	7.7	mg/kg dry wt.	1	0.10	0.043		01/25/10 13:03
7439-92-1	Lead, Total	10	mg/kg dry wt.	1	0.10	0.049		01/25/10 13:03
7782-49-2	Selenium, Total	0.053	mg/kg dry wt.	1	0.20	0.049	J	01/25/10 13:03
7440-22-4	Silver, Total	0.021	mg/kg dry wt.	1	0.050	0.011	J	01/25/10 13:03
7440-28-0	Thallium, Total	0.053	mg/kg dry wt.	1	0.050	0.0061		01/25/10 13:03
7440-62-2	Vanadium, Total	12	mg/kg dry wt.	1	0.10	0.032		01/25/10 13:03
7440-66-6	Zinc, Total	13	mg/kg dry wt.	1	1.0	0.44		01/25/10 13:03

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 12:50
Solids: 92.31
Laboratory ID: 1001254-09

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 09:30
Initial/Final: 0.5072 g / 250 mL
QC Batch: 1000587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.29	mg/kg dry wt.	1	0.10	0.045		01/29/10 11:37

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011910-086

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 15:20
Solids: 78.78
Laboratory ID: 1001254-10

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 07:00
Initial/Final: 0.5076 g / 250 mL
QC Batch: 1000579

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	6.3	mg/kg dry wt.	1	0.10	0.030		01/25/10 13:26
7440-41-7	Beryllium, Total	0.59	mg/kg dry wt.	1	0.10	0.031		01/26/10 10:52
7440-43-9	Cadmium, Total	0.17	mg/kg dry wt.	1	0.050	0.0053		01/25/10 13:26
7440-47-3	Chromium, Total	13	mg/kg dry wt.	1	0.20	0.045		01/25/10 13:26
7440-48-4	Cobalt, Total	2.9	mg/kg dry wt.	1	0.10	0.017		01/25/10 13:26
7440-50-8	Copper, Total	27	mg/kg dry wt.	1	0.10	0.043		01/25/10 13:26
7439-92-1	Lead, Total	27	mg/kg dry wt.	1	0.10	0.049		01/25/10 13:26
7782-49-2	Selenium, Total	0.32	mg/kg dry wt.	1	0.20	0.049		01/25/10 13:26
7440-22-4	Silver, Total	0.068	mg/kg dry wt.	1	0.050	0.011		01/25/10 13:26
7440-28-0	Thallium, Total	0.090	mg/kg dry wt.	1	0.050	0.0061		01/25/10 13:26
7440-62-2	Vanadium, Total	16	mg/kg dry wt.	1	0.10	0.032		01/25/10 13:26
7440-66-6	Zinc, Total	84	mg/kg dry wt.	2	2.0	0.93		01/25/10 14:16

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011910-086

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 15:20
Solids: 78.78
Laboratory ID: 1001254-10

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/22/10 09:30
Initial/Final: 0.5105 g / 250 mL
QC Batch: 1000587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.37	mg/kg dry wt.	1	0.10	0.045		01/29/10 11:54

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011910-090

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 16:10
Solids: 91.15
Laboratory ID: 1001286-01

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.538 g / 250 mL
QC Batch: 1000598

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	6.5	mg/kg dry wt.	1	0.10	0.037		01/28/10 09:37
7440-41-7	Beryllium, Total	0.23	mg/kg dry wt.	1	0.10	0.029		01/28/10 09:37
7440-43-9	Cadmium, Total	0.087	mg/kg dry wt.	1	0.046	0.0071		01/28/10 09:37
7440-47-3	Chromium, Total	9.8	mg/kg dry wt.	1	0.19	0.053		01/28/10 09:37
7440-48-4	Cobalt, Total	4.7	mg/kg dry wt.	1	0.093	0.0074		01/28/10 09:37
7440-50-8	Copper, Total	11	mg/kg dry wt.	1	0.10	0.073	B	01/28/10 09:37
7439-92-1	Lead, Total	12	mg/kg dry wt.	1	0.10	0.050		01/28/10 09:37
7782-49-2	Selenium, Total	0.089	mg/kg dry wt.	1	0.19	0.082	J	01/28/10 09:37
7440-22-4	Silver, Total	0.053	mg/kg dry wt.	1	0.046	0.010		01/28/10 09:37
7440-28-0	Thallium, Total	0.10	mg/kg dry wt.	1	0.046	0.015		01/28/10 09:37
7440-62-2	Vanadium, Total	13	mg/kg dry wt.	1	0.10	0.037		01/28/10 09:37
7440-66-6	Zinc, Total	29	mg/kg dry wt.	1	0.93	0.43		01/28/10 09:37

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011910-090

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 16:10
Solids: 91.15
Laboratory ID: 1001286-01

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 11:30
Initial/Final: 0.5013 g / 250 mL
QC Batch: 1000664

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.21	mg/kg dry wt.	1	0.10	0.045		01/29/10 12:02

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012010-094

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 10:50
Solids: 92.11
Laboratory ID: 1001286-02

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5049 g / 250 mL
QC Batch: 1000598

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	2.5	mg/kg dry wt.	1	0.10	0.039		01/28/10 09:41
7440-41-7	Beryllium, Total	0.20	mg/kg dry wt.	1	0.10	0.031		01/28/10 09:41
7440-43-9	Cadmium, Total	0.098	mg/kg dry wt.	1	0.050	0.0076		01/28/10 09:41
7440-47-3	Chromium, Total	6.5	mg/kg dry wt.	1	0.20	0.057		01/28/10 09:41
7440-48-4	Cobalt, Total	2.3	mg/kg dry wt.	1	0.10	0.0080		01/28/10 09:41
7440-50-8	Copper, Total	2.9	mg/kg dry wt.	1	0.10	0.078	B	01/28/10 09:41
7439-92-1	Lead, Total	7.7	mg/kg dry wt.	1	0.10	0.054		01/28/10 09:41
7782-49-2	Selenium, Total	0.20	mg/kg dry wt.	1	0.20	0.088	U	01/28/10 09:41
7440-22-4	Silver, Total	0.020	mg/kg dry wt.	1	0.050	0.011	J	01/28/10 09:41
7440-28-0	Thallium, Total	0.058	mg/kg dry wt.	1	0.050	0.016		01/28/10 09:41
7440-62-2	Vanadium, Total	7.2	mg/kg dry wt.	1	0.10	0.040		01/28/10 09:41
7440-66-6	Zinc, Total	18	mg/kg dry wt.	1	1.0	0.46		01/28/10 09:41

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012010-094

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 10:50
Solids: 92.11
Laboratory ID: 1001286-02

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 11:30
Initial/Final: 0.5097 g / 250 mL
QC Batch: 1000664

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.088	mg/kg dry wt.	1	0.10	0.045	J	01/29/10 12:04

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012010-099

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 13:50
Solids: 95.28
Laboratory ID: 1001286-03

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.51 g / 250 mL
QC Batch: 1000598

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	7.5	mg/kg dry wt.	1	0.10	0.039		01/28/10 09:44
7440-41-7	Beryllium, Total	0.11	mg/kg dry wt.	1	0.10	0.031		01/28/10 09:44
7440-43-9	Cadmium, Total	0.074	mg/kg dry wt.	1	0.050	0.0076		01/28/10 09:44
7440-47-3	Chromium, Total	7.1	mg/kg dry wt.	1	0.20	0.057		01/28/10 09:44
7440-48-4	Cobalt, Total	3.6	mg/kg dry wt.	1	0.10	0.0080		01/28/10 09:44
7440-50-8	Copper, Total	9.2	mg/kg dry wt.	1	0.10	0.078	B	01/28/10 09:44
7439-92-1	Lead, Total	5.3	mg/kg dry wt.	1	0.10	0.054		01/28/10 09:44
7782-49-2	Selenium, Total	0.16	mg/kg dry wt.	1	0.20	0.088	J	01/28/10 09:44
7440-22-4	Silver, Total	0.031	mg/kg dry wt.	1	0.050	0.011	J	01/28/10 09:44
7440-28-0	Thallium, Total	0.11	mg/kg dry wt.	1	0.050	0.016		01/28/10 09:44
7440-62-2	Vanadium, Total	8.8	mg/kg dry wt.	1	0.10	0.040		01/28/10 09:44
7440-66-6	Zinc, Total	22	mg/kg dry wt.	1	1.0	0.46		01/28/10 09:44

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012010-099

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 13:50
Solids: 95.28
Laboratory ID: 1001286-03

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 11:30
Initial/Final: 0.5129 g / 250 mL
QC Batch: 1000664

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.19	mg/kg dry wt.	1	0.10	0.045		01/29/10 12:06

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012010-1031

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 08:45
Solids: 83.21
Laboratory ID: 1001286-04

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5008 g / 250 mL
QC Batch: 1000598

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	150	mg/kg dry wt.	5	0.50	0.20		01/28/10 11:00
7440-41-7	Beryllium, Total	1.3	mg/kg dry wt.	1	0.10	0.031		01/28/10 09:48
7440-43-9	Cadmium, Total	0.55	mg/kg dry wt.	1	0.050	0.0076		01/28/10 09:48
7440-47-3	Chromium, Total	18	mg/kg dry wt.	1	0.20	0.057		01/28/10 09:48
7440-48-4	Cobalt, Total	5.6	mg/kg dry wt.	1	0.10	0.0080		01/28/10 09:48
7440-50-8	Copper, Total	57	mg/kg dry wt.	2	0.20	0.16	B	01/28/10 11:03
7439-92-1	Lead, Total	150	mg/kg dry wt.	5	0.50	0.27		01/28/10 11:00
7782-49-2	Selenium, Total	1.5	mg/kg dry wt.	1	0.20	0.088		01/28/10 09:48
7440-22-4	Silver, Total	0.097	mg/kg dry wt.	1	0.050	0.011		01/28/10 09:48
7440-28-0	Thallium, Total	0.42	mg/kg dry wt.	1	0.050	0.016		01/28/10 09:48
7440-62-2	Vanadium, Total	16	mg/kg dry wt.	1	0.10	0.040		01/28/10 09:48
7440-66-6	Zinc, Total	150	mg/kg dry wt.	5	5.0	2.3		01/28/10 11:00

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012010-1031

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 08:45
Solids: 83.21
Laboratory ID: 1001286-04

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 11:30
Initial/Final: 0.5342 g / 250 mL
QC Batch: 1000664

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	8.4	mg/kg dry wt.	1	0.10	0.042		01/29/10 12:08

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012010-1035

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 12:10
Solids: 94.63
Laboratory ID: 1001286-05

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5225 g / 250 mL
QC Batch: 1000598

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	10	mg/kg dry wt.	1	0.10	0.039		01/28/10 09:51
7440-41-7	Beryllium, Total	0.13	mg/kg dry wt.	1	0.10	0.031		01/28/10 09:51
7440-43-9	Cadmium, Total	0.046	mg/kg dry wt.	1	0.050	0.0076	J	01/28/10 09:51
7440-47-3	Chromium, Total	7.6	mg/kg dry wt.	1	0.20	0.057		01/28/10 09:51
7440-48-4	Cobalt, Total	3.9	mg/kg dry wt.	1	0.10	0.0080		01/28/10 09:51
7440-50-8	Copper, Total	10	mg/kg dry wt.	1	0.10	0.078	B	01/28/10 09:51
7439-92-1	Lead, Total	6.6	mg/kg dry wt.	1	0.10	0.054		01/28/10 09:51
7782-49-2	Selenium, Total	0.18	mg/kg dry wt.	1	0.20	0.088	J	01/28/10 09:51
7440-22-4	Silver, Total	0.036	mg/kg dry wt.	1	0.050	0.011	J	01/28/10 09:51
7440-28-0	Thallium, Total	0.070	mg/kg dry wt.	1	0.050	0.016		01/28/10 09:51
7440-62-2	Vanadium, Total	11	mg/kg dry wt.	1	0.10	0.040		01/28/10 09:51
7440-66-6	Zinc, Total	24	mg/kg dry wt.	1	1.0	0.46		01/28/10 09:51

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012010-1035

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 12:10
Solids: 94.63
Laboratory ID: 1001286-05

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 11:30
Initial/Final: 0.5111 g / 250 mL
QC Batch: 1000664

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.19	mg/kg dry wt.	1	0.10	0.045		01/29/10 12:15

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012010-1038

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 14:00
Solids: 78.15
Laboratory ID: 1001286-06

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.52 g / 250 mL
QC Batch: 1000598

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	6.1	mg/kg dry wt.	1	0.10	0.039		01/28/10 09:54
7440-41-7	Beryllium, Total	0.46	mg/kg dry wt.	1	0.10	0.031		01/28/10 09:54
7440-43-9	Cadmium, Total	3.1	mg/kg dry wt.	1	0.050	0.0076		01/28/10 09:54
7440-47-3	Chromium, Total	16	mg/kg dry wt.	1	0.20	0.057		01/28/10 09:54
7440-48-4	Cobalt, Total	3.8	mg/kg dry wt.	1	0.10	0.0080		01/28/10 09:54
7440-50-8	Copper, Total	19	mg/kg dry wt.	1	0.10	0.078	B	01/28/10 09:54
7439-92-1	Lead, Total	200	mg/kg dry wt.	10	1.0	0.54		01/28/10 11:07
7782-49-2	Selenium, Total	0.45	mg/kg dry wt.	1	0.20	0.088		01/28/10 09:54
7440-22-4	Silver, Total	0.069	mg/kg dry wt.	1	0.050	0.011		01/28/10 09:54
7440-28-0	Thallium, Total	0.12	mg/kg dry wt.	1	0.050	0.016		01/28/10 09:54
7440-62-2	Vanadium, Total	13	mg/kg dry wt.	1	0.10	0.040		01/28/10 09:54
7440-66-6	Zinc, Total	260	mg/kg dry wt.	10	10	4.6		01/28/10 11:07

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012010-1038

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 14:00
Solids: 78.15
Laboratory ID: 1001286-06

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 11:30
Initial/Final: 0.5052 g / 250 mL
QC Batch: 1000664

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.68	mg/kg dry wt.	1	0.10	0.045		01/29/10 12:18

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 08:55
Solids: 93.43
Laboratory ID: 1001286-07

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5206 g / 250 mL
QC Batch: 1000598

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	8.4	mg/kg dry wt.	1	0.10	0.039		01/28/10 09:58
7440-41-7	Beryllium, Total	0.22	mg/kg dry wt.	1	0.10	0.031		01/28/10 09:58
7440-43-9	Cadmium, Total	0.10	mg/kg dry wt.	1	0.050	0.0076		01/28/10 09:58
7440-47-3	Chromium, Total	11	mg/kg dry wt.	1	0.20	0.057		01/28/10 09:58
7440-48-4	Cobalt, Total	6.7	mg/kg dry wt.	1	0.10	0.0080		01/28/10 09:58
7440-50-8	Copper, Total	14	mg/kg dry wt.	1	0.10	0.078	B	01/28/10 09:58
7439-92-1	Lead, Total	6.3	mg/kg dry wt.	1	0.10	0.054		01/28/10 09:58
7782-49-2	Selenium, Total	0.18	mg/kg dry wt.	1	0.20	0.088	J	01/28/10 09:58
7440-22-4	Silver, Total	0.049	mg/kg dry wt.	1	0.050	0.011	J	01/28/10 09:58
7440-28-0	Thallium, Total	0.17	mg/kg dry wt.	1	0.050	0.016		01/28/10 09:58
7440-62-2	Vanadium, Total	16	mg/kg dry wt.	1	0.10	0.040		01/28/10 09:58
7440-66-6	Zinc, Total	30	mg/kg dry wt.	1	1.0	0.46		01/28/10 09:58

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 08:55
Solids: 93.43
Laboratory ID: 1001286-07

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 11:30
Initial/Final: 0.5129 g / 250 mL
QC Batch: 1000664

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.19	mg/kg dry wt.	1	0.10	0.045		01/29/10 12:20

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 77.71
Laboratory ID: 1001286-08

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5061 g / 250 mL
QC Batch: 1000598

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	13	mg/kg dry wt.	1	0.10	0.039		01/28/10 10:21
7440-41-7	Beryllium, Total	2.0	mg/kg dry wt.	1	0.10	0.031		01/28/10 10:21
7440-43-9	Cadmium, Total	0.18	mg/kg dry wt.	1	0.050	0.0076		01/28/10 10:21
7440-47-3	Chromium, Total	5.1	mg/kg dry wt.	1	0.20	0.057		01/28/10 10:21
7440-48-4	Cobalt, Total	3.5	mg/kg dry wt.	1	0.10	0.0080		01/28/10 10:21
7440-50-8	Copper, Total	15	mg/kg dry wt.	1	0.10	0.078	B	01/28/10 10:21
7439-92-1	Lead, Total	66	mg/kg dry wt.	2	0.20	0.11		01/28/10 11:10
7782-49-2	Selenium, Total	0.34	mg/kg dry wt.	1	0.20	0.088		01/28/10 10:21
7440-22-4	Silver, Total	0.046	mg/kg dry wt.	1	0.050	0.011	J	01/28/10 10:21
7440-28-0	Thallium, Total	0.16	mg/kg dry wt.	1	0.050	0.016		01/28/10 10:21
7440-62-2	Vanadium, Total	13	mg/kg dry wt.	1	0.10	0.040		01/28/10 10:21
7440-66-6	Zinc, Total	22	mg/kg dry wt.	1	1.0	0.46		01/28/10 10:21

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 77.71
Laboratory ID: 1001286-08

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 11:30
Initial/Final: 0.5112 g / 250 mL
QC Batch: 1000664

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.30	mg/kg dry wt.	1	0.10	0.045		01/29/10 12:32

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

SD-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:25
Solids: 77.73
Laboratory ID: 1001286-09

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5293 g / 250 mL
QC Batch: 1000598

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	14	mg/kg dry wt.	1	0.10	0.039		01/28/10 10:25
7440-41-7	Beryllium, Total	2.1	mg/kg dry wt.	1	0.10	0.031		01/28/10 10:25
7440-43-9	Cadmium, Total	0.20	mg/kg dry wt.	1	0.050	0.0076		01/28/10 10:25
7440-47-3	Chromium, Total	5.0	mg/kg dry wt.	1	0.20	0.057		01/28/10 10:25
7440-48-4	Cobalt, Total	3.8	mg/kg dry wt.	1	0.10	0.0080		01/28/10 10:25
7440-50-8	Copper, Total	17	mg/kg dry wt.	1	0.10	0.078	B	01/28/10 10:25
7439-92-1	Lead, Total	80	mg/kg dry wt.	2	0.20	0.11		01/28/10 11:13
7782-49-2	Selenium, Total	0.47	mg/kg dry wt.	1	0.20	0.088		01/28/10 10:25
7440-22-4	Silver, Total	0.042	mg/kg dry wt.	1	0.050	0.011	J	01/28/10 10:25
7440-28-0	Thallium, Total	0.18	mg/kg dry wt.	1	0.050	0.016		01/28/10 10:25
7440-62-2	Vanadium, Total	16	mg/kg dry wt.	1	0.10	0.040		01/28/10 10:25
7440-66-6	Zinc, Total	22	mg/kg dry wt.	1	1.0	0.46		01/28/10 10:25

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

SD-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:25
Solids: 77.73
Laboratory ID: 1001286-09

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 11:30
Initial/Final: 0.503 g / 250 mL
QC Batch: 1000664

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.30	mg/kg dry wt.	1	0.10	0.045		01/29/10 12:34

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012110-1050

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:40
Solids: 79.60
Laboratory ID: 1001286-10

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5061 g / 250 mL
QC Batch: 1000598

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	4.8	mg/kg dry wt.	1	0.10	0.039		01/28/10 10:28
7440-41-7	Beryllium, Total	1.6	mg/kg dry wt.	1	0.10	0.031		01/28/10 10:28
7440-43-9	Cadmium, Total	0.033	mg/kg dry wt.	1	0.050	0.0076	J	01/28/10 10:28
7440-47-3	Chromium, Total	7.7	mg/kg dry wt.	1	0.20	0.057		01/28/10 10:28
7440-48-4	Cobalt, Total	2.6	mg/kg dry wt.	1	0.10	0.0080		01/28/10 10:28
7440-50-8	Copper, Total	14	mg/kg dry wt.	1	0.10	0.078	B	01/28/10 10:28
7439-92-1	Lead, Total	16	mg/kg dry wt.	1	0.10	0.054		01/28/10 10:28
7782-49-2	Selenium, Total	0.57	mg/kg dry wt.	1	0.20	0.088		01/28/10 10:28
7440-22-4	Silver, Total	0.029	mg/kg dry wt.	1	0.050	0.011	J	01/28/10 10:28
7440-28-0	Thallium, Total	0.14	mg/kg dry wt.	1	0.050	0.016		01/28/10 10:28
7440-62-2	Vanadium, Total	13	mg/kg dry wt.	1	0.10	0.040		01/28/10 10:28
7440-66-6	Zinc, Total	7.2	mg/kg dry wt.	1	1.0	0.46		01/28/10 10:28

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012110-1050

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:40
Solids: 79.60
Laboratory ID: 1001286-10

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 11:30
Initial/Final: 0.5202 g / 250 mL
QC Batch: 1000664

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.28	mg/kg dry wt.	1	0.10	0.045		01/29/10 12:36

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012010-105

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 16:30
Solids: 89.13
Laboratory ID: 1001286-11

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5439 g / 250 mL
QC Batch: 1000598

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	9.9	mg/kg dry wt.	1	0.10	0.036		01/28/10 10:32
7440-41-7	Beryllium, Total	0.33	mg/kg dry wt.	1	0.10	0.028		01/28/10 10:32
7440-43-9	Cadmium, Total	0.21	mg/kg dry wt.	1	0.046	0.0070		01/28/10 10:32
7440-47-3	Chromium, Total	8.8	mg/kg dry wt.	1	0.18	0.052		01/28/10 10:32
7440-48-4	Cobalt, Total	4.6	mg/kg dry wt.	1	0.092	0.0074		01/28/10 10:32
7440-50-8	Copper, Total	8.2	mg/kg dry wt.	1	0.10	0.072	B	01/28/10 10:32
7439-92-1	Lead, Total	15	mg/kg dry wt.	1	0.10	0.049		01/28/10 10:32
7782-49-2	Selenium, Total	0.27	mg/kg dry wt.	1	0.18	0.081		01/28/10 10:32
7440-22-4	Silver, Total	0.056	mg/kg dry wt.	1	0.046	0.010		01/28/10 10:32
7440-28-0	Thallium, Total	0.11	mg/kg dry wt.	1	0.046	0.015		01/28/10 10:32
7440-62-2	Vanadium, Total	14	mg/kg dry wt.	1	0.10	0.036		01/28/10 10:32
7440-66-6	Zinc, Total	28	mg/kg dry wt.	1	0.92	0.43		01/28/10 10:32

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012010-105

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 16:30
Solids: 89.13
Laboratory ID: 1001286-11

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 11:30
Initial/Final: 0.5324 g / 250 mL
QC Batch: 1000664

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.22	mg/kg dry wt.	1	0.10	0.042		01/29/10 12:44

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012110-107

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 09:00
Solids: 96.94
Laboratory ID: 1001286-12

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5017 g / 250 mL
QC Batch: 1000598

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	2.7	mg/kg dry wt.	1	0.10	0.039		01/28/10 10:35
7440-41-7	Beryllium, Total	0.090	mg/kg dry wt.	1	0.10	0.031	J	01/28/10 10:35
7440-43-9	Cadmium, Total	0.032	mg/kg dry wt.	1	0.050	0.0076	J	01/28/10 10:35
7440-47-3	Chromium, Total	5.7	mg/kg dry wt.	1	0.20	0.057		01/28/10 10:35
7440-48-4	Cobalt, Total	2.2	mg/kg dry wt.	1	0.10	0.0080		01/28/10 10:35
7440-50-8	Copper, Total	4.1	mg/kg dry wt.	1	0.10	0.078	B	01/28/10 10:35
7439-92-1	Lead, Total	3.0	mg/kg dry wt.	1	0.10	0.054		01/28/10 10:35
7782-49-2	Selenium, Total	0.11	mg/kg dry wt.	1	0.20	0.088	J	01/28/10 10:35
7440-22-4	Silver, Total	0.022	mg/kg dry wt.	1	0.050	0.011	J	01/28/10 10:35
7440-28-0	Thallium, Total	0.045	mg/kg dry wt.	1	0.050	0.016	J	01/28/10 10:35
7440-62-2	Vanadium, Total	8.4	mg/kg dry wt.	1	0.10	0.040		01/28/10 10:35
7440-66-6	Zinc, Total	14	mg/kg dry wt.	1	1.0	0.46		01/28/10 10:35

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012110-107

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 09:00
Solids: 96.94
Laboratory ID: 1001286-12

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 11:30
Initial/Final: 0.5063 g / 250 mL
QC Batch: 1000664

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.071	mg/kg dry wt.	1	0.10	0.045	J	01/29/10 12:46

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012110-109

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 10:00
Solids: 90.90
Laboratory ID: 1001286-13

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5406 g / 250 mL
QC Batch: 1000598

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	5.9	mg/kg dry wt.	1	0.10	0.036		01/28/10 10:38
7440-41-7	Beryllium, Total	0.37	mg/kg dry wt.	1	0.10	0.029		01/28/10 10:38
7440-43-9	Cadmium, Total	0.19	mg/kg dry wt.	1	0.046	0.0070		01/28/10 10:38
7440-47-3	Chromium, Total	23	mg/kg dry wt.	1	0.18	0.053		01/28/10 10:38
7440-48-4	Cobalt, Total	4.1	mg/kg dry wt.	1	0.092	0.0074		01/28/10 10:38
7440-50-8	Copper, Total	17	mg/kg dry wt.	1	0.10	0.073	B	01/28/10 10:38
7439-92-1	Lead, Total	97	mg/kg dry wt.	5	0.46	0.25		01/28/10 11:17
7782-49-2	Selenium, Total	0.25	mg/kg dry wt.	1	0.18	0.081		01/28/10 10:38
7440-22-4	Silver, Total	0.063	mg/kg dry wt.	1	0.046	0.010		01/28/10 10:38
7440-28-0	Thallium, Total	0.090	mg/kg dry wt.	1	0.046	0.015		01/28/10 10:38
7440-62-2	Vanadium, Total	13	mg/kg dry wt.	1	0.10	0.037		01/28/10 10:38
7440-66-6	Zinc, Total	49	mg/kg dry wt.	2	1.8	0.86		01/28/10 11:20

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012110-109

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 10:00
Solids: 90.90
Laboratory ID: 1001286-13

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 11:30
Initial/Final: 0.5385 g / 250 mL
QC Batch: 1000664

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.31	mg/kg dry wt.	1	0.10	0.042		01/29/10 12:48

00411

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012110-114

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 91.45
Laboratory ID: 1001286-14

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5145 g / 250 mL
QC Batch: 1000598

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	4.3	mg/kg dry wt.	1	0.10	0.039		01/28/10 10:42
7440-41-7	Beryllium, Total	0.18	mg/kg dry wt.	1	0.10	0.031		01/28/10 10:42
7440-43-9	Cadmium, Total	0.067	mg/kg dry wt.	1	0.050	0.0076		01/28/10 10:42
7440-47-3	Chromium, Total	9.5	mg/kg dry wt.	1	0.20	0.057		01/28/10 10:42
7440-48-4	Cobalt, Total	2.7	mg/kg dry wt.	1	0.10	0.0080		01/28/10 10:42
7440-50-8	Copper, Total	5.5	mg/kg dry wt.	1	0.10	0.078	B	01/28/10 10:42
7439-92-1	Lead, Total	10	mg/kg dry wt.	1	0.10	0.054		01/28/10 10:42
7782-49-2	Selenium, Total	0.13	mg/kg dry wt.	1	0.20	0.088	J	01/28/10 10:42
7440-22-4	Silver, Total	0.028	mg/kg dry wt.	1	0.050	0.011	J	01/28/10 10:42
7440-28-0	Thallium, Total	0.073	mg/kg dry wt.	1	0.050	0.016		01/28/10 10:42
7440-62-2	Vanadium, Total	13	mg/kg dry wt.	1	0.10	0.040		01/28/10 10:42
7440-66-6	Zinc, Total	22	mg/kg dry wt.	1	1.0	0.46		01/28/10 10:42

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012110-114

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 91.45
Laboratory ID: 1001286-14

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 11:30
Initial/Final: 0.5285 g / 250 mL
QC Batch: 1000664

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.15	mg/kg dry wt.	1	0.10	0.045		01/29/10 12:50

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012110-116

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:10
Solids: 86.48
Laboratory ID: 1001286-15

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5292 g / 250 mL
QC Batch: 1000598

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	7.9	mg/kg dry wt.	1	0.10	0.039		01/28/10 10:52
7440-41-7	Beryllium, Total	0.42	mg/kg dry wt.	1	0.10	0.031		01/28/10 10:52
7440-43-9	Cadmium, Total	0.16	mg/kg dry wt.	1	0.050	0.0076		01/28/10 10:52
7440-47-3	Chromium, Total	19	mg/kg dry wt.	1	0.20	0.057		01/28/10 10:52
7440-48-4	Cobalt, Total	5.8	mg/kg dry wt.	1	0.10	0.0080		01/28/10 10:52
7440-50-8	Copper, Total	21	mg/kg dry wt.	1	0.10	0.078	B	01/28/10 10:52
7439-92-1	Lead, Total	58	mg/kg dry wt.	2	0.20	0.11		01/28/10 11:23
7782-49-2	Selenium, Total	0.26	mg/kg dry wt.	1	0.20	0.088		01/28/10 10:52
7440-22-4	Silver, Total	0.074	mg/kg dry wt.	1	0.050	0.011		01/28/10 10:52
7440-28-0	Thallium, Total	0.099	mg/kg dry wt.	1	0.050	0.016		01/28/10 10:52
7440-62-2	Vanadium, Total	18	mg/kg dry wt.	1	0.10	0.040		01/28/10 10:52
7440-66-6	Zinc, Total	77	mg/kg dry wt.	2	2.0	0.93		01/28/10 11:23

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012110-116

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:10
Solids: 86.48
Laboratory ID: 1001286-15

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 11:30
Initial/Final: 0.5102 g / 250 mL
QC Batch: 1000664

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.42	mg/kg dry wt.	1	0.10	0.045		01/29/10 12:52

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012110-118

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 14:10
Solids: 82.72
Laboratory ID: 1001286-16

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 07:00
Initial/Final: 0.5063 g / 250 mL
QC Batch: 1000598

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	7.5	mg/kg dry wt.	1	0.10	0.039		01/28/10 10:55
7440-41-7	Beryllium, Total	0.38	mg/kg dry wt.	1	0.10	0.031		01/28/10 10:55
7440-43-9	Cadmium, Total	0.32	mg/kg dry wt.	1	0.050	0.0076		01/28/10 10:55
7440-47-3	Chromium, Total	48	mg/kg dry wt.	1	0.20	0.057		01/28/10 10:55
7440-48-4	Cobalt, Total	5.5	mg/kg dry wt.	1	0.10	0.0080		01/28/10 10:55
7440-50-8	Copper, Total	29	mg/kg dry wt.	1	0.10	0.078	B	01/28/10 10:55
7439-92-1	Lead, Total	240	mg/kg dry wt.	5	0.50	0.27		01/28/10 11:34
7782-49-2	Selenium, Total	0.33	mg/kg dry wt.	1	0.20	0.088		01/28/10 10:55
7440-22-4	Silver, Total	0.11	mg/kg dry wt.	1	0.050	0.011		01/28/10 10:55
7440-28-0	Thallium, Total	0.091	mg/kg dry wt.	1	0.050	0.016		01/28/10 10:55
7440-62-2	Vanadium, Total	14	mg/kg dry wt.	1	0.10	0.040		01/28/10 10:55
7440-66-6	Zinc, Total	120	mg/kg dry wt.	5	5.0	2.3		01/28/10 11:34

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012110-118

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 14:10
Solids: 82.72
Laboratory ID: 1001286-16

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/25/10 11:30
Initial/Final: 0.5119 g / 250 mL
QC Batch: 1000664

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.82	mg/kg dry wt.	1	0.10	0.045		01/29/10 12:54

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25028

SDG: PM011810
Project: Plainwell Mill
Instrument: 201
Calibration: 0A25012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A25028-CAL1	0a25028-001	01/25/10 10:26
Cal Standard	0A25028-CAL2	0a25028-002	01/25/10 10:29
Cal Standard	0A25028-CAL3	0a25028-003	01/25/10 10:33
Cal Standard	0A25028-CAL4	0a25028-004	01/25/10 10:36
Cal Standard	0A25028-CAL5	0a25028-005	01/25/10 10:40
Cal Standard	0A25028-CAL6	0a25028-006	01/25/10 10:43
Cal Standard	0A25028-CAL7	0a25028-007	01/25/10 10:47
Cal Standard	0A25028-CAL8	0a25028-008	01/25/10 10:50
Secondary Cal Check	0A25028-SCV1	0a25028-009	01/25/10 10:53
Calibration Check	0A25028-CCV1	0a25028-009	01/25/10 10:53
Calibration Blank	0A25028-CCB1	0a25028-010	01/25/10 10:57
MRL Check	0A25028-CRL1	0a25028-011	01/25/10 11:00
MRL Check	0A25028-CRL2	0a25028-012	01/25/10 11:04
Interference Check A	0A25028-IFA1	0a25028-013	01/25/10 11:07
Interference Check B	0A25028-IFB1	0a25028-014	01/25/10 11:10
Calibration Check	0A25028-CCV2	0a25028-015	01/25/10 11:14
Calibration Blank	0A25028-CCB2	0a25028-016	01/25/10 11:17
Calibration Check	0A25028-CCV3	0a25028-027	01/25/10 11:55
Calibration Blank	0A25028-CCB3	0a25028-028	01/25/10 11:58
Serial Dilution	0A25028-SRD1	0a25028-031	01/25/10 12:08
Blank	1000579-BLK1	0a25028-037	01/25/10 12:29
LCS	1000579-BS1	0a25028-038	01/25/10 12:32
Calibration Check	0A25028-CCV4	0a25028-039	01/25/10 12:35
Calibration Blank	0A25028-CCB4	0a25028-040	01/25/10 12:39
S-SO-56394-CB-011810-062	1001254-03	0a25028-041	01/25/10 12:42
S-SO-56394-CB-011810-062	1001254-03	0a25028-041	01/25/10 12:42
S-SO-56394-CB-011810-062	1001254-03	0a25028-041	01/25/10 12:42
S-SO-56394-CB-011810-062	1001254-03	0a25028-041	01/25/10 12:42
S-SO-56394-CB-011810-062	1001254-03	0a25028-041	01/25/10 12:42
S-SO-56394-CB-011810-062	1001254-03	0a25028-041	01/25/10 12:42
S-SO-56394-CB-011810-062	1001254-03	0a25028-041	01/25/10 12:42
S-SO-56394-CB-011810-062	1001254-03	0a25028-041	01/25/10 12:42

: 00418

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25028
Instrument: 201
Calibration: 0A25012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011810-062	1001254-03	0a25028-041	01/25/10 12:42
S-SO-56394-CB-011810-062	1001254-03	0a25028-041	01/25/10 12:42
S-SO-56394-CB-011810-062	1001254-03	0a25028-041	01/25/10 12:42
S-SO-56394-CB-011810-072	1001254-04	0a25028-042	01/25/10 12:46
S-SO-56394-CB-011810-072	1001254-04	0a25028-042	01/25/10 12:46
S-SO-56394-CB-011810-072	1001254-04	0a25028-042	01/25/10 12:46
S-SO-56394-CB-011810-072	1001254-04	0a25028-042	01/25/10 12:46
S-SO-56394-CB-011810-072	1001254-04	0a25028-042	01/25/10 12:46
S-SO-56394-CB-011810-072	1001254-04	0a25028-042	01/25/10 12:46
S-SO-56394-CB-011810-072	1001254-04	0a25028-042	01/25/10 12:46
S-SO-56394-CB-011810-072	1001254-04	0a25028-042	01/25/10 12:46
S-SO-56394-CB-011810-072	1001254-04	0a25028-042	01/25/10 12:46
S-SO-56394-CB-011810-072	1001254-04	0a25028-042	01/25/10 12:46
S-SO-56394-CB-011810-057	1001254-05	0a25028-043	01/25/10 12:49
S-SO-56394-CB-011810-057	1001254-05	0a25028-043	01/25/10 12:49
S-SO-56394-CB-011810-057	1001254-05	0a25028-043	01/25/10 12:49
S-SO-56394-CB-011810-057	1001254-05	0a25028-043	01/25/10 12:49
S-SO-56394-CB-011810-057	1001254-05	0a25028-043	01/25/10 12:49
S-SO-56394-CB-011810-057	1001254-05	0a25028-043	01/25/10 12:49
S-SO-56394-CB-011810-057	1001254-05	0a25028-043	01/25/10 12:49
S-SO-56394-CB-011810-057	1001254-05	0a25028-043	01/25/10 12:49
S-SO-56394-CB-011810-057	1001254-05	0a25028-043	01/25/10 12:49
S-SO-56394-CB-011810-057	1001254-05	0a25028-043	01/25/10 12:49
S-SO-56394-DR-011910-1024	1001254-06	0a25028-044	01/25/10 12:52
S-SO-56394-DR-011910-1024	1001254-06	0a25028-044	01/25/10 12:52
S-SO-56394-DR-011910-1024	1001254-06	0a25028-044	01/25/10 12:52
S-SO-56394-DR-011910-1024	1001254-06	0a25028-044	01/25/10 12:52
S-SO-56394-DR-011910-1024	1001254-06	0a25028-044	01/25/10 12:52
S-SO-56394-DR-011910-1024	1001254-06	0a25028-044	01/25/10 12:52
S-SO-56394-DR-011910-1024	1001254-06	0a25028-044	01/25/10 12:52

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25028

SDG: PM011810
Project: Plainwell Mill
Instrument: 201
Calibration: 0A25012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-011910-1024	1001254-06	0a25028-044	01/25/10 12:52
S-SO-56394-DR-011910-1024	1001254-06	0a25028-044	01/25/10 12:52
S-SO-56394-DR-011910-1024	1001254-06	0a25028-044	01/25/10 12:52
S-SO-56394-CB-011910-077	1001254-07	0a25028-045	01/25/10 12:56
S-SO-56394-CB-011910-077	1001254-07	0a25028-045	01/25/10 12:56
S-SO-56394-CB-011910-077	1001254-07	0a25028-045	01/25/10 12:56
S-SO-56394-CB-011910-077	1001254-07	0a25028-045	01/25/10 12:56
S-SO-56394-CB-011910-077	1001254-07	0a25028-045	01/25/10 12:56
S-SO-56394-CB-011910-077	1001254-07	0a25028-045	01/25/10 12:56
S-SO-56394-CB-011910-077	1001254-07	0a25028-045	01/25/10 12:56
S-SO-56394-CB-011910-077	1001254-07	0a25028-045	01/25/10 12:56
S-SO-56394-CB-011910-077	1001254-07	0a25028-045	01/25/10 12:56
S-SO-56394-CB-011910-077	1001254-07	0a25028-045	01/25/10 12:56
S-SO-56394-CB-011910-077	1001254-07	0a25028-045	01/25/10 12:56
SD-SO-56394-CB-011910-077	1001254-08	0a25028-046	01/25/10 12:59
SD-SO-56394-CB-011910-077	1001254-08	0a25028-046	01/25/10 12:59
SD-SO-56394-CB-011910-077	1001254-08	0a25028-046	01/25/10 12:59
SD-SO-56394-CB-011910-077	1001254-08	0a25028-046	01/25/10 12:59
SD-SO-56394-CB-011910-077	1001254-08	0a25028-046	01/25/10 12:59
SD-SO-56394-CB-011910-077	1001254-08	0a25028-046	01/25/10 12:59
SD-SO-56394-CB-011910-077	1001254-08	0a25028-046	01/25/10 12:59
SD-SO-56394-CB-011910-077	1001254-08	0a25028-046	01/25/10 12:59
SD-SO-56394-CB-011910-077	1001254-08	0a25028-046	01/25/10 12:59
S-SO-56394-CB-011910-081	1001254-09	0a25028-047	01/25/10 13:03
S-SO-56394-CB-011910-081	1001254-09	0a25028-047	01/25/10 13:03
S-SO-56394-CB-011910-081	1001254-09	0a25028-047	01/25/10 13:03
S-SO-56394-CB-011910-081	1001254-09	0a25028-047	01/25/10 13:03
S-SO-56394-CB-011910-081	1001254-09	0a25028-047	01/25/10 13:03
S-SO-56394-CB-011910-081	1001254-09	0a25028-047	01/25/10 13:03
S-SO-56394-CB-011910-081	1001254-09	0a25028-047	01/25/10 13:03
S-SO-56394-CB-011910-081	1001254-09	0a25028-047	01/25/10 13:03

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25028

SDG: PM011810
Project: Plainwell Mill
Instrument: 201
Calibration: 0A25012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011910-081	1001254-09	0a25028-047	01/25/10 13:03
S-SO-56394-CB-011910-081	1001254-09	0a25028-047	01/25/10 13:03
S-SO-56394-CB-011910-081	1000579-MS1	0a25028-048	01/25/10 13:06
S-SO-56394-CB-011910-081	1000579-MSD1	0a25028-049	01/25/10 13:09
S-SO-56394-CB-011910-081	0A25028-SRD2	0a25028-050	01/25/10 13:13
Calibration Check	0A25028-CCV5	0a25028-051	01/25/10 13:16
Calibration Blank	0A25028-CCB5	0a25028-052	01/25/10 13:19
S-SO-56394-CB-011910-081	1000579-PS1	0a25028-053	01/25/10 13:23
S-SO-56394-CB-011910-086	1001254-10	0a25028-054	01/25/10 13:26
S-SO-56394-CB-011910-086	1001254-10	0a25028-054	01/25/10 13:26
S-SO-56394-CB-011910-086	1001254-10	0a25028-054	01/25/10 13:26
S-SO-56394-CB-011910-086	1001254-10	0a25028-054	01/25/10 13:26
S-SO-56394-CB-011910-086	1001254-10	0a25028-054	01/25/10 13:26
S-SO-56394-CB-011910-086	1001254-10	0a25028-054	01/25/10 13:26
S-SO-56394-CB-011910-086	1001254-10	0a25028-054	01/25/10 13:26
S-SO-56394-CB-011910-086	1001254-10	0a25028-054	01/25/10 13:26
S-SO-56394-CB-011910-086	1001254-10	0a25028-054	01/25/10 13:26
S-SO-56394-CB-011910-086	1001254-10	0a25028-054	01/25/10 13:26
Calibration Check	0A25028-CCV6	0a25028-055	01/25/10 13:30
Calibration Blank	0A25028-CCB6	0a25028-056	01/25/10 13:33
Serial Dilution	0A25028-SRD3	0a25028-063	01/25/10 13:52
Calibration Check	0A25028-CCV7	0a25028-067	01/25/10 14:01
Calibration Blank	0A25028-CCB7	0a25028-068	01/25/10 14:04
S-SO-56394-CB-011810-072	1001254-04	0a25028-070	01/25/10 14:08
S-SO-56394-CB-011910-077	1001254-07	0a25028-071	01/25/10 14:11
SD-SO-56394-CB-011910-077	1001254-08	0a25028-072	01/25/10 14:13
S-SO-56394-CB-011910-086	1001254-10	0a25028-073	01/25/10 14:16
Calibration Check	0A25028-CCV8	0a25028-074	01/25/10 14:18
Calibration Blank	0A25028-CCB8	0a25028-075	01/25/10 14:20

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25056

SDG: PM011810
Project: Plainwell Mill
Instrument: 201
Calibration: 0A26003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A25056-CAL1	0a25056-001	01/25/10 15:01
Cal Standard	0A25056-CAL2	0a25056-002	01/25/10 15:03
Cal Standard	0A25056-CAL3	0a25056-003	01/25/10 15:05
Cal Standard	0A25056-CAL4	0a25056-004	01/25/10 15:07
Cal Standard	0A25056-CAL5	0a25056-005	01/25/10 15:09
Cal Standard	0A25056-CAL6	0a25056-006	01/25/10 15:11
Cal Standard	0A25056-CAL7	0a25056-007	01/25/10 15:13
Secondary Cal Check	0A25056-SCV1	0a25056-008	01/25/10 15:15
Calibration Check	0A25056-CCV1	0a25056-008	01/25/10 15:15
Calibration Blank	0A25056-CCB1	0a25056-009	01/25/10 15:17
MRL Check	0A25056-CRL1	0a25056-010	01/25/10 15:19
Interference Check A	0A25056-IFA1	0a25056-011	01/25/10 15:20
Interference Check B	0A25056-IFB1	0a25056-012	01/25/10 15:22
Calibration Check	0A25056-CCV2	0a25056-013	01/25/10 15:24
Calibration Blank	0A25056-CCB2	0a25056-014	01/25/10 15:26
Serial Dilution	0A25056-SRD1	0a25056-018	01/25/10 15:34
Blank	1000579-BLK2	0a25056-024	01/25/10 15:46
Calibration Check	0A25056-CCV3	0a25056-025	01/25/10 15:48
Calibration Blank	0A25056-CCB3	0a25056-026	01/25/10 15:50
LCS	1000579-BS2	0a25056-027	01/25/10 15:52
S-SO-56394-CB-011810-062	1001254-03	0a25056-028	01/25/10 15:54
S-SO-56394-CB-011810-072	1001254-04	0a25056-029	01/25/10 15:56
S-SO-56394-CB-011810-057	1001254-05	0a25056-030	01/25/10 15:58
S-SO-56394-DR-011910-1024	1001254-06	0a25056-031	01/25/10 16:00
S-SO-56394-CB-011910-077	1001254-07	0a25056-032	01/25/10 16:01
SD-SO-56394-CB-011910-077	1001254-08	0a25056-033	01/25/10 16:03
Calibration Check	0A25056-CCV4	0a25056-037	01/25/10 16:11
Calibration Blank	0A25056-CCB4	0a25056-038	01/25/10 16:13

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A26011

SDG: PM011810
Project: Plainwell Mill
Instrument: 201
Calibration: 0A26004

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A26011-CAL1	0a26011-001	01/26/10 10:15
Cal Standard	0A26011-CAL2	0a26011-002	01/26/10 10:17
Cal Standard	0A26011-CAL3	0a26011-003	01/26/10 10:19
Cal Standard	0A26011-CAL4	0a26011-004	01/26/10 10:21
Cal Standard	0A26011-CAL5	0a26011-005	01/26/10 10:23
Cal Standard	0A26011-CAL6	0a26011-006	01/26/10 10:25
Cal Standard	0A26011-CAL7	0a26011-007	01/26/10 10:27
Secondary Cal Check	0A26011-SCV1	0a26011-008	01/26/10 10:29
Calibration Check	0A26011-CCV1	0a26011-008	01/26/10 10:29
Calibration Blank	0A26011-CCB1	0a26011-009	01/26/10 10:31
MRL Check	0A26011-CRL1	0a26011-010	01/26/10 10:33
Interference Check B	0A26011-IFB1	0a26011-011	01/26/10 10:34
Interference Check A	0A26011-IFA1	0a26011-012	01/26/10 10:36
Calibration Check	0A26011-CCV2	0a26011-013	01/26/10 10:38
Calibration Blank	0A26011-CCB2	0a26011-014	01/26/10 10:40
S-SO-56394-CB-011910-081	1001254-09	0a26011-015	01/26/10 10:42
S-SO-56394-CB-011910-081	1000579-MS2	0a26011-016	01/26/10 10:44
S-SO-56394-CB-011910-081	1000579-MSD2	0a26011-017	01/26/10 10:46
S-SO-56394-CB-011910-081	0A26011-SRD1	0a26011-018	01/26/10 10:48
S-SO-56394-CB-011910-081	1000579-PS2	0a26011-019	01/26/10 10:50
S-SO-56394-CB-011910-086	1001254-10	0a26011-020	01/26/10 10:52
Calibration Check	0A26011-CCV3	0a26011-021	01/26/10 10:54
Calibration Blank	0A26011-CCB3	0a26011-022	01/26/10 10:56

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A27021
Instrument: 114
Calibration: 0A27009

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A27021-CAL1	0a27021-001	01/27/10 09:45
Cal Standard	0A27021-CAL2	0a27021-002	01/27/10 09:49
Cal Standard	0A27021-CAL3	0a27021-003	01/27/10 09:53
Cal Standard	0A27021-CAL4	0a27021-004	01/27/10 09:57
Cal Standard	0A27021-CAL5	0a27021-005	01/27/10 10:01
Cal Standard	0A27021-CAL6	0a27021-006	01/27/10 10:05
Cal Standard	0A27021-CAL7	0a27021-007	01/27/10 10:09
Cal Standard	0A27021-CAL8	0a27021-008	01/27/10 10:14
Secondary Cal Check	0A27021-SCV1	0a27021-009	01/27/10 10:18
Calibration Check	0A27021-CCV1	0a27021-009	01/27/10 10:18
Calibration Blank	0A27021-CCB1	0a27021-010	01/27/10 10:26
MRL Check	0A27021-CRL1	0a27021-011	01/27/10 10:30
MRL Check	0A27021-CRL2	0a27021-012	01/27/10 10:34
Interference Check A	0A27021-IFA1	0a27021-013	01/27/10 10:38
Interference Check B	0A27021-IFB1	0a27021-014	01/27/10 10:43
Calibration Check	0A27021-CCV2	0a27021-015	01/27/10 10:47
Calibration Blank	0A27021-CCB2	0a27021-016	01/27/10 10:55
Blank	1000574-BLK1	0a27021-017	01/27/10 10:59
LCS	1000574-BS1	0a27021-018	01/27/10 11:03
S-VAS-56394-DR-011810-1018	1001254-02	0a27021-019	01/27/10 11:11
S-VAS-56394-DR-011810-1018	1001254-02	0a27021-019	01/27/10 11:11
S-VAS-56394-DR-011810-1018	1001254-02	0a27021-019	01/27/10 11:11
S-VAS-56394-DR-011810-1018	1001254-02	0a27021-019	01/27/10 11:11
S-VAS-56394-DR-011810-1018	1001254-02	0a27021-019	01/27/10 11:11
S-VAS-56394-DR-011810-1018	1001254-02	0a27021-019	01/27/10 11:11
S-VAS-56394-DR-011810-1018	1001254-02	0a27021-019	01/27/10 11:11
S-VAS-56394-DR-011810-1018	1001254-02	0a27021-019	01/27/10 11:11
S-VAS-56394-DR-011810-1018	1001254-02	0a27021-019	01/27/10 11:11
S-VAS-56394-DR-011810-1018	1001254-02	0a27021-019	01/27/10 11:11
S-VAS-56394-DR-011810-1018	1001254-02	0a27021-019	01/27/10 11:11
S-VAS-56394-DR-011810-1018	1001254-02	0a27021-019	01/27/10 11:11
Blank	1000571-BLK1	0a27021-020	01/27/10 11:15

: 00424

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27021

SDG: PM011810
Project: Plainwell Mill
Instrument: 114
Calibration: 0A27009

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	1000571-BS1	0a27021-021	01/27/10 11:19
S-VAS-56394-DR-011810-1018	1001254-01	0a27021-022	01/27/10 11:27
S-VAS-56394-DR-011810-1018	1001254-01	0a27021-022	01/27/10 11:27
S-VAS-56394-DR-011810-1018	1001254-01	0a27021-022	01/27/10 11:27
S-VAS-56394-DR-011810-1018	1001254-01	0a27021-022	01/27/10 11:27
S-VAS-56394-DR-011810-1018	1001254-01	0a27021-022	01/27/10 11:27
S-VAS-56394-DR-011810-1018	1001254-01	0a27021-022	01/27/10 11:27
S-VAS-56394-DR-011810-1018	1001254-01	0a27021-022	01/27/10 11:27
S-VAS-56394-DR-011810-1018	1001254-01	0a27021-022	01/27/10 11:27
S-VAS-56394-DR-011810-1018	1001254-01	0a27021-022	01/27/10 11:27
S-VAS-56394-DR-011810-1018	1001254-01	0a27021-022	01/27/10 11:27
S-VAS-56394-DR-011810-1018	1001254-01	0a27021-022	01/27/10 11:27
LCS	1000574-BS1	0a27021-023	01/27/10 11:31
Calibration Check	0A27021-CCV3	0a27021-025	01/27/10 11:43
Calibration Blank	0A27021-CCB3	0a27021-026	01/27/10 11:51

: 00425

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27039

SDG: PM011810
Project: Plainwell Mill
Instrument: 114
Calibration: 0A27010

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A27039-CAL1	0a27039-001	01/27/10 12:17
Cal Standard	0A27039-CAL2	0a27039-002	01/27/10 12:20
Cal Standard	0A27039-CAL3	0a27039-003	01/27/10 12:22
Cal Standard	0A27039-CAL4	0a27039-004	01/27/10 12:25
Cal Standard	0A27039-CAL5	0a27039-005	01/27/10 12:27
Cal Standard	0A27039-CAL6	0a27039-006	01/27/10 12:29
Cal Standard	0A27039-CAL7	0a27039-007	01/27/10 12:32
Secondary Cal Check	0A27039-SCV1	0a27039-008	01/27/10 12:34
Calibration Check	0A27039-CCV1	0a27039-008	01/27/10 12:34
Calibration Blank	0A27039-CCB1	0a27039-009	01/27/10 12:37
MRL Check	0A27039-CRL1	0a27039-010	01/27/10 12:39
Interference Check A	0A27039-IFA1	0a27039-011	01/27/10 12:42
Interference Check B	0A27039-IFB1	0a27039-012	01/27/10 12:44
Calibration Check	0A27039-CCV2	0a27039-013	01/27/10 12:47
Calibration Blank	0A27039-CCB2	0a27039-014	01/27/10 12:49
Blank	1000574-BLK2	0a27039-015	01/27/10 12:51
LCS	1000574-BS2	0a27039-016	01/27/10 12:53
S-VAS-56394-DR-011810-1018	1001254-02	0a27039-017	01/27/10 12:55
Blank	1000571-BLK2	0a27039-018	01/27/10 12:57
LCS	1000571-BS2	0a27039-019	01/27/10 12:59
S-VAS-56394-DR-011810-1018	1001254-01	0a27039-020	01/27/10 13:01
Calibration Check	0A27039-CCV3	0a27039-021	01/27/10 13:03
Calibration Blank	0A27039-CCB3	0a27039-022	01/27/10 13:05

00426

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A28009

SDG: PM011810
Project: Plainwell Mill
Instrument: 114
Calibration: 0A28008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A28009-CAL1	0a28009-001	01/28/10 08:37
Cal Standard	0A28009-CAL2	0a28009-002	01/28/10 08:40
Cal Standard	0A28009-CAL3	0a28009-003	01/28/10 08:43
Cal Standard	0A28009-CAL4	0a28009-004	01/28/10 08:47
Cal Standard	0A28009-CAL5	0a28009-005	01/28/10 08:50
Cal Standard	0A28009-CAL6	0a28009-006	01/28/10 08:54
Cal Standard	0A28009-CAL7	0a28009-007	01/28/10 08:57
Cal Standard	0A28009-CAL8	0a28009-008	01/28/10 09:00
Secondary Cal Check	0A28009-SCV1	0a28009-009	01/28/10 09:04
Calibration Check	0A28009-CCV1	0a28009-009	01/28/10 09:04
Calibration Blank	0A28009-CCB1	0a28009-010	01/28/10 09:07
MRL Check	0A28009-CRL1	0a28009-011	01/28/10 09:10
MRL Check	0A28009-CRL2	0a28009-012	01/28/10 09:14
Interference Check A	0A28009-IFA1	0a28009-013	01/28/10 09:17
Interference Check B	0A28009-IFB1	0a28009-014	01/28/10 09:21
Calibration Check	0A28009-CCV2	0a28009-015	01/28/10 09:24
Calibration Blank	0A28009-CCB2	0a28009-016	01/28/10 09:27
Blank	1000598-BLK1	0a28009-017	01/28/10 09:31
LCS	1000598-BS1	0a28009-018	01/28/10 09:34
S-SO-56394-CB-011910-090	1001286-01	0a28009-019	01/28/10 09:37
S-SO-56394-CB-011910-090	1001286-01	0a28009-019	01/28/10 09:37
S-SO-56394-CB-011910-090	1001286-01	0a28009-019	01/28/10 09:37
S-SO-56394-CB-011910-090	1001286-01	0a28009-019	01/28/10 09:37
S-SO-56394-CB-011910-090	1001286-01	0a28009-019	01/28/10 09:37
S-SO-56394-CB-011910-090	1001286-01	0a28009-019	01/28/10 09:37
S-SO-56394-CB-011910-090	1001286-01	0a28009-019	01/28/10 09:37
S-SO-56394-CB-011910-090	1001286-01	0a28009-019	01/28/10 09:37
S-SO-56394-CB-011910-090	1001286-01	0a28009-019	01/28/10 09:37
S-SO-56394-CB-011910-090	1001286-01	0a28009-019	01/28/10 09:37
S-SO-56394-CB-011910-090	1001286-01	0a28009-019	01/28/10 09:37
S-SO-56394-CB-012010-094	1001286-02	0a28009-020	01/28/10 09:41

: 00427

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A28009

SDG: PM011810
Project: Plainwell Mill
Instrument: 114
Calibration: 0A28008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012010-094	1001286-02	0a28009-020	01/28/10 09:41
S-SO-56394-CB-012010-094	1001286-02	0a28009-020	01/28/10 09:41
S-SO-56394-CB-012010-094	1001286-02	0a28009-020	01/28/10 09:41
S-SO-56394-CB-012010-094	1001286-02	0a28009-020	01/28/10 09:41
S-SO-56394-CB-012010-094	1001286-02	0a28009-020	01/28/10 09:41
S-SO-56394-CB-012010-094	1001286-02	0a28009-020	01/28/10 09:41
S-SO-56394-CB-012010-094	1001286-02	0a28009-020	01/28/10 09:41
S-SO-56394-CB-012010-094	1001286-02	0a28009-020	01/28/10 09:41
S-SO-56394-CB-012010-094	1001286-02	0a28009-020	01/28/10 09:41
S-SO-56394-CB-012010-094	1001286-02	0a28009-020	01/28/10 09:41
S-SO-56394-CB-012010-094	1001286-02	0a28009-020	01/28/10 09:41
S-SO-56394-CB-012010-099	1001286-03	0a28009-021	01/28/10 09:44
S-SO-56394-CB-012010-099	1001286-03	0a28009-021	01/28/10 09:44
S-SO-56394-CB-012010-099	1001286-03	0a28009-021	01/28/10 09:44
S-SO-56394-CB-012010-099	1001286-03	0a28009-021	01/28/10 09:44
S-SO-56394-CB-012010-099	1001286-03	0a28009-021	01/28/10 09:44
S-SO-56394-CB-012010-099	1001286-03	0a28009-021	01/28/10 09:44
S-SO-56394-CB-012010-099	1001286-03	0a28009-021	01/28/10 09:44
S-SO-56394-CB-012010-099	1001286-03	0a28009-021	01/28/10 09:44
S-SO-56394-CB-012010-099	1001286-03	0a28009-021	01/28/10 09:44
S-SO-56394-CB-012010-099	1001286-03	0a28009-021	01/28/10 09:44
S-SO-56394-CB-012010-099	1001286-03	0a28009-021	01/28/10 09:44
S-SO-56394-DR-012010-1031	1001286-04	0a28009-022	01/28/10 09:48
S-SO-56394-DR-012010-1031	1001286-04	0a28009-022	01/28/10 09:48
S-SO-56394-DR-012010-1031	1001286-04	0a28009-022	01/28/10 09:48
S-SO-56394-DR-012010-1031	1001286-04	0a28009-022	01/28/10 09:48
S-SO-56394-DR-012010-1031	1001286-04	0a28009-022	01/28/10 09:48
S-SO-56394-DR-012010-1031	1001286-04	0a28009-022	01/28/10 09:48
S-SO-56394-DR-012010-1031	1001286-04	0a28009-022	01/28/10 09:48
S-SO-56394-DR-012010-1035	1001286-05	0a28009-023	01/28/10 09:51

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A28009

SDG: PM011810
Project: Plainwell Mill
Instrument: 114
Calibration: 0A28008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-012010-1035	1001286-05	0a28009-023	01/28/10 09:51
S-SO-56394-DR-012010-1035	1001286-05	0a28009-023	01/28/10 09:51
S-SO-56394-DR-012010-1035	1001286-05	0a28009-023	01/28/10 09:51
S-SO-56394-DR-012010-1035	1001286-05	0a28009-023	01/28/10 09:51
S-SO-56394-DR-012010-1035	1001286-05	0a28009-023	01/28/10 09:51
S-SO-56394-DR-012010-1035	1001286-05	0a28009-023	01/28/10 09:51
S-SO-56394-DR-012010-1035	1001286-05	0a28009-023	01/28/10 09:51
S-SO-56394-DR-012010-1035	1001286-05	0a28009-023	01/28/10 09:51
S-SO-56394-DR-012010-1035	1001286-05	0a28009-023	01/28/10 09:51
S-SO-56394-DR-012010-1035	1001286-05	0a28009-023	01/28/10 09:51
S-SO-56394-DR-012010-1035	1001286-05	0a28009-023	01/28/10 09:51
S-SO-56394-DR-012010-1038	1001286-06	0a28009-024	01/28/10 09:54
S-SO-56394-DR-012010-1038	1001286-06	0a28009-024	01/28/10 09:54
S-SO-56394-DR-012010-1038	1001286-06	0a28009-024	01/28/10 09:54
S-SO-56394-DR-012010-1038	1001286-06	0a28009-024	01/28/10 09:54
S-SO-56394-DR-012010-1038	1001286-06	0a28009-024	01/28/10 09:54
S-SO-56394-DR-012010-1038	1001286-06	0a28009-024	01/28/10 09:54
S-SO-56394-DR-012010-1038	1001286-06	0a28009-024	01/28/10 09:54
S-SO-56394-DR-012010-1038	1001286-06	0a28009-024	01/28/10 09:54
S-SO-56394-DR-012010-1038	1001286-06	0a28009-024	01/28/10 09:54
S-SO-56394-DR-012110-1045	1001286-07	0a28009-025	01/28/10 09:58
S-SO-56394-DR-012110-1045	1001286-07	0a28009-025	01/28/10 09:58
S-SO-56394-DR-012110-1045	1001286-07	0a28009-025	01/28/10 09:58
S-SO-56394-DR-012110-1045	1001286-07	0a28009-025	01/28/10 09:58
S-SO-56394-DR-012110-1045	1001286-07	0a28009-025	01/28/10 09:58
S-SO-56394-DR-012110-1045	1001286-07	0a28009-025	01/28/10 09:58
S-SO-56394-DR-012110-1045	1001286-07	0a28009-025	01/28/10 09:58
S-SO-56394-DR-012110-1045	1001286-07	0a28009-025	01/28/10 09:58
S-SO-56394-DR-012110-1045	1001286-07	0a28009-025	01/28/10 09:58
S-SO-56394-DR-012110-1045	1001286-07	0a28009-025	01/28/10 09:58

: 00429

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A28009

SDG: PM011810
Project: Plainwell Mill
Instrument: 114
Calibration: 0A28008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-012110-1045	1001286-07	0a28009-025	01/28/10 09:58
S-SO-56394-DR-012110-1045	1000598-MS1	0a28009-026	01/28/10 10:01
Calibration Check	0A28009-CCV3	0a28009-027	01/28/10 10:05
Calibration Blank	0A28009-CCB3	0a28009-028	01/28/10 10:08
S-SO-56394-DR-012110-1045	1000598-MSD1	0a28009-029	01/28/10 10:11
S-SO-56394-DR-012110-1045	0A28009-SRD1	0a28009-030	01/28/10 10:15
S-SO-56394-DR-012110-1045	1000598-PS1	0a28009-031	01/28/10 10:18
S-SO-56394-DR-012110-1049	1001286-08	0a28009-032	01/28/10 10:21
S-SO-56394-DR-012110-1049	1001286-08	0a28009-032	01/28/10 10:21
S-SO-56394-DR-012110-1049	1001286-08	0a28009-032	01/28/10 10:21
S-SO-56394-DR-012110-1049	1001286-08	0a28009-032	01/28/10 10:21
S-SO-56394-DR-012110-1049	1001286-08	0a28009-032	01/28/10 10:21
S-SO-56394-DR-012110-1049	1001286-08	0a28009-032	01/28/10 10:21
S-SO-56394-DR-012110-1049	1001286-08	0a28009-032	01/28/10 10:21
S-SO-56394-DR-012110-1049	1001286-08	0a28009-032	01/28/10 10:21
S-SO-56394-DR-012110-1049	1001286-08	0a28009-032	01/28/10 10:21
S-SO-56394-DR-012110-1049	1001286-08	0a28009-032	01/28/10 10:21
S-SO-56394-DR-012110-1049	1001286-08	0a28009-032	01/28/10 10:21
SD-SO-56394-DR-012110-1049	1001286-09	0a28009-033	01/28/10 10:25
SD-SO-56394-DR-012110-1049	1001286-09	0a28009-033	01/28/10 10:25
SD-SO-56394-DR-012110-1049	1001286-09	0a28009-033	01/28/10 10:25
SD-SO-56394-DR-012110-1049	1001286-09	0a28009-033	01/28/10 10:25
SD-SO-56394-DR-012110-1049	1001286-09	0a28009-033	01/28/10 10:25
SD-SO-56394-DR-012110-1049	1001286-09	0a28009-033	01/28/10 10:25
SD-SO-56394-DR-012110-1049	1001286-09	0a28009-033	01/28/10 10:25
SD-SO-56394-DR-012110-1049	1001286-09	0a28009-033	01/28/10 10:25
SD-SO-56394-DR-012110-1049	1001286-09	0a28009-033	01/28/10 10:25
S-SO-56394-DR-012110-1050	1001286-10	0a28009-034	01/28/10 10:28
S-SO-56394-DR-012110-1050	1001286-10	0a28009-034	01/28/10 10:28
S-SO-56394-DR-012110-1050	1001286-10	0a28009-034	01/28/10 10:28

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A28009
Instrument: 114
Calibration: 0A28008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-012110-1050	1001286-10	0a28009-034	01/28/10 10:28
S-SO-56394-DR-012110-1050	1001286-10	0a28009-034	01/28/10 10:28
S-SO-56394-DR-012110-1050	1001286-10	0a28009-034	01/28/10 10:28
S-SO-56394-DR-012110-1050	1001286-10	0a28009-034	01/28/10 10:28
S-SO-56394-DR-012110-1050	1001286-10	0a28009-034	01/28/10 10:28
S-SO-56394-DR-012110-1050	1001286-10	0a28009-034	01/28/10 10:28
S-SO-56394-DR-012110-1050	1001286-10	0a28009-034	01/28/10 10:28
S-SO-56394-DR-012110-1050	1001286-10	0a28009-034	01/28/10 10:28
S-SO-56394-DR-012110-1050	1001286-10	0a28009-034	01/28/10 10:28
S-SO-56394-CB-012010-105	1001286-11	0a28009-035	01/28/10 10:32
S-SO-56394-CB-012010-105	1001286-11	0a28009-035	01/28/10 10:32
S-SO-56394-CB-012010-105	1001286-11	0a28009-035	01/28/10 10:32
S-SO-56394-CB-012010-105	1001286-11	0a28009-035	01/28/10 10:32
S-SO-56394-CB-012010-105	1001286-11	0a28009-035	01/28/10 10:32
S-SO-56394-CB-012010-105	1001286-11	0a28009-035	01/28/10 10:32
S-SO-56394-CB-012010-105	1001286-11	0a28009-035	01/28/10 10:32
S-SO-56394-CB-012010-105	1001286-11	0a28009-035	01/28/10 10:32
S-SO-56394-CB-012010-105	1001286-11	0a28009-035	01/28/10 10:32
S-SO-56394-CB-012010-105	1001286-11	0a28009-035	01/28/10 10:32
S-SO-56394-CB-012010-105	1001286-11	0a28009-035	01/28/10 10:32
S-SO-56394-CB-012010-105	1001286-11	0a28009-035	01/28/10 10:32
S-SO-56394-CB-012110-107	1001286-12	0a28009-036	01/28/10 10:35
S-SO-56394-CB-012110-107	1001286-12	0a28009-036	01/28/10 10:35
S-SO-56394-CB-012110-107	1001286-12	0a28009-036	01/28/10 10:35
S-SO-56394-CB-012110-107	1001286-12	0a28009-036	01/28/10 10:35
S-SO-56394-CB-012110-107	1001286-12	0a28009-036	01/28/10 10:35
S-SO-56394-CB-012110-107	1001286-12	0a28009-036	01/28/10 10:35
S-SO-56394-CB-012110-107	1001286-12	0a28009-036	01/28/10 10:35
S-SO-56394-CB-012110-107	1001286-12	0a28009-036	01/28/10 10:35
S-SO-56394-CB-012110-107	1001286-12	0a28009-036	01/28/10 10:35
S-SO-56394-CB-012110-107	1001286-12	0a28009-036	01/28/10 10:35

: 00431

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A28009

SDG: PM011810
Project: Plainwell Mill
Instrument: 114
Calibration: 0A28008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012110-107	1001286-12	0a28009-036	01/28/10 10:35
S-SO-56394-CB-012110-109	1001286-13	0a28009-037	01/28/10 10:38
S-SO-56394-CB-012110-109	1001286-13	0a28009-037	01/28/10 10:38
S-SO-56394-CB-012110-109	1001286-13	0a28009-037	01/28/10 10:38
S-SO-56394-CB-012110-109	1001286-13	0a28009-037	01/28/10 10:38
S-SO-56394-CB-012110-109	1001286-13	0a28009-037	01/28/10 10:38
S-SO-56394-CB-012110-109	1001286-13	0a28009-037	01/28/10 10:38
S-SO-56394-CB-012110-109	1001286-13	0a28009-037	01/28/10 10:38
S-SO-56394-CB-012110-109	1001286-13	0a28009-037	01/28/10 10:38
S-SO-56394-CB-012110-109	1001286-13	0a28009-037	01/28/10 10:38
S-SO-56394-CB-012110-109	1001286-13	0a28009-037	01/28/10 10:38
S-SO-56394-CB-012110-114	1001286-14	0a28009-038	01/28/10 10:42
S-SO-56394-CB-012110-114	1001286-14	0a28009-038	01/28/10 10:42
S-SO-56394-CB-012110-114	1001286-14	0a28009-038	01/28/10 10:42
S-SO-56394-CB-012110-114	1001286-14	0a28009-038	01/28/10 10:42
S-SO-56394-CB-012110-114	1001286-14	0a28009-038	01/28/10 10:42
S-SO-56394-CB-012110-114	1001286-14	0a28009-038	01/28/10 10:42
S-SO-56394-CB-012110-114	1001286-14	0a28009-038	01/28/10 10:42
S-SO-56394-CB-012110-114	1001286-14	0a28009-038	01/28/10 10:42
S-SO-56394-CB-012110-114	1001286-14	0a28009-038	01/28/10 10:42
S-SO-56394-CB-012110-114	1001286-14	0a28009-038	01/28/10 10:42
S-SO-56394-CB-012110-114	1001286-14	0a28009-038	01/28/10 10:42
Calibration Check	0A28009-CCV4	0a28009-039	01/28/10 10:45
Calibration Blank	0A28009-CCB4	0a28009-040	01/28/10 10:49
S-SO-56394-CB-012110-116	1001286-15	0a28009-041	01/28/10 10:52
S-SO-56394-CB-012110-116	1001286-15	0a28009-041	01/28/10 10:52
S-SO-56394-CB-012110-116	1001286-15	0a28009-041	01/28/10 10:52
S-SO-56394-CB-012110-116	1001286-15	0a28009-041	01/28/10 10:52
S-SO-56394-CB-012110-116	1001286-15	0a28009-041	01/28/10 10:52
S-SO-56394-CB-012110-116	1001286-15	0a28009-041	01/28/10 10:52
S-SO-56394-CB-012110-116	1001286-15	0a28009-041	01/28/10 10:52

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A28009

SDG: PM011810
Project: Plainwell Mill
Instrument: 114
Calibration: 0A28008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012110-116	1001286-15	0a28009-041	01/28/10 10:52
S-SO-56394-CB-012110-116	1001286-15	0a28009-041	01/28/10 10:52
S-SO-56394-CB-012110-116	1001286-15	0a28009-041	01/28/10 10:52
S-SO-56394-CB-012110-118	1001286-16	0a28009-042	01/28/10 10:55
S-SO-56394-CB-012110-118	1001286-16	0a28009-042	01/28/10 10:55
S-SO-56394-CB-012110-118	1001286-16	0a28009-042	01/28/10 10:55
S-SO-56394-CB-012110-118	1001286-16	0a28009-042	01/28/10 10:55
S-SO-56394-CB-012110-118	1001286-16	0a28009-042	01/28/10 10:55
S-SO-56394-CB-012110-118	1001286-16	0a28009-042	01/28/10 10:55
S-SO-56394-CB-012110-118	1001286-16	0a28009-042	01/28/10 10:55
S-SO-56394-CB-012110-118	1001286-16	0a28009-042	01/28/10 10:55
S-SO-56394-CB-012110-118	1001286-16	0a28009-042	01/28/10 10:55
S-SO-56394-CB-012110-118	1001286-16	0a28009-042	01/28/10 10:55
S-SO-56394-DR-012010-1031	1001286-04	0a28009-043	01/28/10 11:00
S-SO-56394-DR-012010-1031	1001286-04	0a28009-043	01/28/10 11:00
S-SO-56394-DR-012010-1031	1001286-04	0a28009-043	01/28/10 11:00
S-SO-56394-DR-012010-1031	1001286-04	0a28009-044	01/28/10 11:03
S-SO-56394-DR-012010-1038	1001286-06	0a28009-045	01/28/10 11:07
S-SO-56394-DR-012010-1038	1001286-06	0a28009-045	01/28/10 11:07
S-SO-56394-DR-012110-1049	1001286-08	0a28009-046	01/28/10 11:10
SD-SO-56394-DR-012110-1049	1001286-09	0a28009-047	01/28/10 11:13
S-SO-56394-CB-012110-109	1001286-13	0a28009-048	01/28/10 11:17
S-SO-56394-CB-012110-109	1001286-13	0a28009-049	01/28/10 11:20
S-SO-56394-CB-012110-116	1001286-15	0a28009-050	01/28/10 11:23
S-SO-56394-CB-012110-116	1001286-15	0a28009-050	01/28/10 11:23
Calibration Check	0A28009-CCV5	0a28009-051	01/28/10 11:27
Calibration Blank	0A28009-CCB5	0a28009-052	01/28/10 11:30
S-SO-56394-CB-012110-118	1001286-16	0a28009-053	01/28/10 11:34
S-SO-56394-CB-012110-118	1001286-16	0a28009-053	01/28/10 11:34
Calibration Check	0A28009-CCV6	0a28009-054	01/28/10 11:37
Calibration Blank	0A28009-CCB6	0a28009-055	01/28/10 11:40

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A29004

SDG: PM011810
Project: Plainwell Mill
Instrument: 114
Calibration: 0A29003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A29004-CAL1	0a29004-001	01/29/10 08:19
Cal Standard	0A29004-CAL2	0a29004-002	01/29/10 08:21
Cal Standard	0A29004-CAL3	0a29004-003	01/29/10 08:24
Cal Standard	0A29004-CAL4	0a29004-004	01/29/10 08:26
Cal Standard	0A29004-CAL5	0a29004-005	01/29/10 08:29
Cal Standard	0A29004-CAL6	0a29004-006	01/29/10 08:31
Cal Standard	0A29004-CAL7	0a29004-007	01/29/10 08:34
Secondary Cal Check	0A29004-SCV1	0a29004-008	01/29/10 08:36
Calibration Check	0A29004-CCV1	0a29004-008	01/29/10 08:36
Calibration Blank	0A29004-CCB1	0a29004-009	01/29/10 08:39
MRL Check	0A29004-CRL1	0a29004-010	01/29/10 08:41
Interference Check A	0A29004-IFA1	0a29004-011	01/29/10 08:44
Interference Check B	0A29004-IFB1	0a29004-012	01/29/10 08:46
Calibration Check	0A29004-CCV2	0a29004-013	01/29/10 08:49
Calibration Blank	0A29004-CCB2	0a29004-014	01/29/10 08:51
Blank	1000730-BLK1	0a29004-015	01/29/10 08:54
LCS	1000730-BS1	0a29004-016	01/29/10 08:56
S-VAS-56394-DR-011810-1018	1001254-01	0a29004-017	01/29/10 08:58
Calibration Check	0A29004-CCV3	0a29004-018	01/29/10 09:00
Calibration Blank	0A29004-CCB3	0a29004-019	01/29/10 09:02

00434

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A29012

SDG: PM011810
Project: Plainwell Mill
Instrument: 201
Calibration: 0A29013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A29012-CAL1	0a29012-001	01/29/10 10:47
Cal Standard	0A29012-CAL2	0a29012-002	01/29/10 10:49
Cal Standard	0A29012-CAL3	0a29012-003	01/29/10 10:51
Cal Standard	0A29012-CAL4	0a29012-004	01/29/10 10:53
Cal Standard	0A29012-CAL5	0a29012-005	01/29/10 10:56
Cal Standard	0A29012-CAL6	0a29012-006	01/29/10 10:58
Cal Standard	0A29012-CAL7	0a29012-007	01/29/10 11:00
Secondary Cal Check	0A29012-SCV1	0a29012-008	01/29/10 11:02
Calibration Check	0A29012-CCV1	0a29012-008	01/29/10 11:02
Calibration Blank	0A29012-CCB1	0a29012-009	01/29/10 11:05
MRL Check	0A29012-CRL1	0a29012-010	01/29/10 11:07
Interference Check A	0A29012-IFA1	0a29012-011	01/29/10 11:09
Interference Check B	0A29012-IFB1	0a29012-012	01/29/10 11:11
Calibration Check	0A29012-CCV2	0a29012-013	01/29/10 11:14
Calibration Blank	0A29012-CCB2	0a29012-014	01/29/10 11:17
Blank	1000587-BLK1	0a29012-015	01/29/10 11:19
LCS	1000587-BS1	0a29012-016	01/29/10 11:21
S-SO-56394-CB-011810-062	1001254-03	0a29012-017	01/29/10 11:24
S-SO-56394-CB-011810-072	1001254-04	0a29012-018	01/29/10 11:26
S-SO-56394-CB-011810-057	1001254-05	0a29012-019	01/29/10 11:28
S-SO-56394-DR-011910-1024	1001254-06	0a29012-020	01/29/10 11:30
S-SO-56394-CB-011910-077	1001254-07	0a29012-021	01/29/10 11:33
SD-SO-56394-CB-011910-077	1001254-08	0a29012-022	01/29/10 11:35
S-SO-56394-CB-011910-081	1001254-09	0a29012-023	01/29/10 11:37
S-SO-56394-CB-011910-081	1000587-MS1	0a29012-024	01/29/10 11:39
Calibration Check	0A29012-CCV3	0a29012-025	01/29/10 11:41
Calibration Blank	0A29012-CCB3	0a29012-026	01/29/10 11:44
S-SO-56394-CB-011910-081	1000587-MSD1	0a29012-027	01/29/10 11:46
S-SO-56394-CB-011910-081	0A29012-SRD1	0a29012-028	01/29/10 11:49
S-SO-56394-CB-011910-081	1000587-PS1	0a29012-029	01/29/10 11:51
S-SO-56394-CB-011910-086	1001254-10	0a29012-030	01/29/10 11:54
Blank	1000664-BLK1	0a29012-031	01/29/10 11:56

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A29012

SDG: PM011810
Project: Plainwell Mill
Instrument: 201
Calibration: 0A29013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	1000664-BS1	0a29012-032	01/29/10 11:59
S-SO-56394-CB-011910-090	1001286-01	0a29012-033	01/29/10 12:02
S-SO-56394-CB-012010-094	1001286-02	0a29012-034	01/29/10 12:04
S-SO-56394-CB-012010-099	1001286-03	0a29012-035	01/29/10 12:06
S-SO-56394-DR-012010-1031	1001286-04	0a29012-036	01/29/10 12:08
Calibration Check	0A29012-CCV4	0a29012-037	01/29/10 12:10
Calibration Blank	0A29012-CCB4	0a29012-038	01/29/10 12:13
S-SO-56394-DR-012010-1035	1001286-05	0a29012-039	01/29/10 12:15
S-SO-56394-DR-012010-1038	1001286-06	0a29012-040	01/29/10 12:18
S-SO-56394-DR-012110-1045	1001286-07	0a29012-041	01/29/10 12:20
S-SO-56394-DR-012110-1045	1000664-MS1	0a29012-042	01/29/10 12:22
S-SO-56394-DR-012110-1045	1000664-MSD1	0a29012-043	01/29/10 12:24
S-SO-56394-DR-012110-1045	0A29012-SRD2	0a29012-044	01/29/10 12:27
S-SO-56394-DR-012110-1045	1000664-PS1	0a29012-045	01/29/10 12:29
S-SO-56394-DR-012110-1049	1001286-08	0a29012-046	01/29/10 12:32
SD-SO-56394-DR-012110-1049	1001286-09	0a29012-047	01/29/10 12:34
S-SO-56394-DR-012110-1050	1001286-10	0a29012-048	01/29/10 12:36
Calibration Check	0A29012-CCV5	0a29012-049	01/29/10 12:38
Calibration Blank	0A29012-CCB5	0a29012-050	01/29/10 12:41
S-SO-56394-CB-012010-105	1001286-11	0a29012-051	01/29/10 12:44
S-SO-56394-CB-012110-107	1001286-12	0a29012-052	01/29/10 12:46
S-SO-56394-CB-012110-109	1001286-13	0a29012-053	01/29/10 12:48
S-SO-56394-CB-012110-114	1001286-14	0a29012-054	01/29/10 12:50
S-SO-56394-CB-012110-116	1001286-15	0a29012-055	01/29/10 12:52
S-SO-56394-CB-012110-118	1001286-16	0a29012-056	01/29/10 12:54
Calibration Check	0A29012-CCV6	0a29012-057	01/29/10 12:56
Calibration Blank	0A29012-CCB6	0a29012-058	01/29/10 12:59

: 00436

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25028
Instrument ID:201
Control Limt: +/- 10.00%
Calibration: 0A25012

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A25028-CCV1	Arsenic	0.0400	0.0391	98	mg/L	01/25/10 10:53
	Beryllium	0.0400	0.0390	98	mg/L	01/25/10 10:53
	Cadmium	0.0400	0.0397	99	mg/L	01/25/10 10:53
	Chromium	0.0400	0.0394	98	mg/L	01/25/10 10:53
	Cobalt	0.0400	0.0399	100	mg/L	01/25/10 10:53
	Copper	0.0400	0.0399	100	mg/L	01/25/10 10:53
	Lead	0.0400	0.0390	98	mg/L	01/25/10 10:53
	Selenium	0.0400	0.0372	93	mg/L	01/25/10 10:53
	Silver	0.0400	0.0399	100	mg/L	01/25/10 10:53
	Thallium	0.0400	0.0401	100	mg/L	01/25/10 10:53
	Vanadium	0.0400	0.0377	94	mg/L	01/25/10 10:53
	Zinc	0.0400	0.0395	99	mg/L	01/25/10 10:53
0A25028-CCV2	Arsenic	0.0400	0.0398	100	mg/L	01/25/10 11:14
	Beryllium	0.0400	0.0418	105	mg/L	01/25/10 11:14
	Cadmium	0.0400	0.0401	100	mg/L	01/25/10 11:14
	Chromium	0.0400	0.0421	105	mg/L	01/25/10 11:14
	Cobalt	0.0400	0.0413	103	mg/L	01/25/10 11:14
	Copper	0.0400	0.0408	102	mg/L	01/25/10 11:14
	Lead	0.0400	0.0395	99	mg/L	01/25/10 11:14
	Selenium	0.0400	0.0377	94	mg/L	01/25/10 11:14
	Silver	0.0400	0.0404	101	mg/L	01/25/10 11:14
	Thallium	0.0400	0.0399	100	mg/L	01/25/10 11:14
	Vanadium	0.0400	0.0413	103	mg/L	01/25/10 11:14
	Zinc	0.0400	0.0407	102	mg/L	01/25/10 11:14
0A25028-CCV3	Arsenic	0.0400	0.0412	103	mg/L	01/25/10 11:55
	Beryllium	0.0400	0.0387	97	mg/L	01/25/10 11:55
	Cadmium	0.0400	0.0399	100	mg/L	01/25/10 11:55
	Chromium	0.0400	0.0397	99	mg/L	01/25/10 11:55
	Cobalt	0.0400	0.0403	101	mg/L	01/25/10 11:55
	Copper	0.0400	0.0395	99	mg/L	01/25/10 11:55
	Lead	0.0400	0.0399	100	mg/L	01/25/10 11:55
	Selenium	0.0400	0.0387	97	mg/L	01/25/10 11:55
	Silver	0.0400	0.0397	99	mg/L	01/25/10 11:55
	Thallium	0.0400	0.0415	104	mg/L	01/25/10 11:55
	Vanadium	0.0400	0.0384	96	mg/L	01/25/10 11:55
	Zinc	0.0400	0.0397	99	mg/L	01/25/10 11:55
0A25028-CCV4	Arsenic	0.0400	0.0415	104	mg/L	01/25/10 12:35
	Cadmium	0.0400	0.0381	95	mg/L	01/25/10 12:35

: 00437

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25028
Instrument ID: 201
Control Limt: +/- 10.00%
Calibration: 0A25012

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A25028-CCV4	Chromium	0.0400	0.0389	97	mg/L	01/25/10 12:35
	Cobalt	0.0400	0.0391	98	mg/L	01/25/10 12:35
	Copper	0.0400	0.0392	98	mg/L	01/25/10 12:35
	Lead	0.0400	0.0394	99	mg/L	01/25/10 12:35
	Selenium	0.0400	0.0406	101	mg/L	01/25/10 12:35
	Silver	0.0400	0.0387	97	mg/L	01/25/10 12:35
	Thallium	0.0400	0.0398	99	mg/L	01/25/10 12:35
	Vanadium	0.0400	0.0379	95	mg/L	01/25/10 12:35
	Zinc	0.0400	0.0389	97	mg/L	01/25/10 12:35
0A25028-CCV5	Arsenic	0.0400	0.0406	102	mg/L	01/25/10 13:16
	Cadmium	0.0400	0.0399	100	mg/L	01/25/10 13:16
	Chromium	0.0400	0.0429	107	mg/L	01/25/10 13:16
	Cobalt	0.0400	0.0421	105	mg/L	01/25/10 13:16
	Copper	0.0400	0.0422	105	mg/L	01/25/10 13:16
	Lead	0.0400	0.0398	100	mg/L	01/25/10 13:16
	Selenium	0.0400	0.0376	94	mg/L	01/25/10 13:16
	Silver	0.0400	0.0398	99	mg/L	01/25/10 13:16
	Thallium	0.0400	0.0407	102	mg/L	01/25/10 13:16
	Vanadium	0.0400	0.0416	104	mg/L	01/25/10 13:16
	Zinc	0.0400	0.0418	104	mg/L	01/25/10 13:16
0A25028-CCV6	Arsenic	0.0400	0.0402	101	mg/L	01/25/10 13:30
	Cadmium	0.0400	0.0387	97	mg/L	01/25/10 13:30
	Chromium	0.0400	0.0416	104	mg/L	01/25/10 13:30
	Cobalt	0.0400	0.0407	102	mg/L	01/25/10 13:30
	Copper	0.0400	0.0402	100	mg/L	01/25/10 13:30
	Lead	0.0400	0.0396	99	mg/L	01/25/10 13:30
	Selenium	0.0400	0.0377	94	mg/L	01/25/10 13:30
	Silver	0.0400	0.0395	99	mg/L	01/25/10 13:30
	Thallium	0.0400	0.0404	101	mg/L	01/25/10 13:30
	Vanadium	0.0400	0.0407	102	mg/L	01/25/10 13:30
	Zinc	0.0400	0.0399	100	mg/L	01/25/10 13:30
0A25028-CCV7	Copper	0.0400	0.0403	101	mg/L	01/25/10 14:01
	Lead	0.0400	0.0385	96	mg/L	01/25/10 14:01
	Zinc	0.0400	0.0397	99	mg/L	01/25/10 14:01
0A25028-CCV8	Copper	0.0400	0.0412	103	mg/L	01/25/10 14:18
	Lead	0.0400	0.0400	100	mg/L	01/25/10 14:18
	Zinc	0.0400	0.0404	101	mg/L	01/25/10 14:18

* Values outside of QC limits

: 00438

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25056
Instrument ID:201
Control Limt: +/- 10.00%
Calibration: 0A26003

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A25056-CCV1	Beryllium	0.0400	0.0384	96	mg/L	01/25/10 15:15
0A25056-CCV2	Beryllium	0.0400	0.0389	97	mg/L	01/25/10 15:24
0A25056-CCV3	Beryllium	0.0400	0.0391	98	mg/L	01/25/10 15:48
0A25056-CCV4	Beryllium	0.0400	0.0379	95	mg/L	01/25/10 16:11

* Values outside of QC limits

: 00439

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A26011
Instrument ID: 201
Control Limt: +/- 10.00%
Calibration: 0A26004

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A26011-CCV1	Beryllium	0.0400	0.0400	100	mg/L	01/26/10 10:29
0A26011-CCV2	Beryllium	0.0400	0.0396	99	mg/L	01/26/10 10:38
0A26011-CCV3	Beryllium	0.0400	0.0402	101	mg/L	01/26/10 10:54

* Values outside of QC limits

00440

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A27021
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0A27009

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A27021-CCV1	Antimony	40.0	36.6	91	ug/L	01/27/10 10:18
	Antimony	40.0	36.6	91	ug/L	01/27/10 10:18
	Arsenic	40.0	38.5	96	ug/L	01/27/10 10:18
	Arsenic	40.0	38.5	96	ug/L	01/27/10 10:18
	Cadmium	40.0	43.0	107	ug/L	01/27/10 10:18
	Cadmium	40.0	43.0	107	ug/L	01/27/10 10:18
	Chromium	40.0	39.1	98	ug/L	01/27/10 10:18
	Chromium	40.0	39.1	98	ug/L	01/27/10 10:18
	Cobalt	40.0	40.9	102	ug/L	01/27/10 10:18
	Cobalt	40.0	40.9	102	ug/L	01/27/10 10:18
	Copper	40.0	37.8	95	ug/L	01/27/10 10:18
	Copper	40.0	37.8	95	ug/L	01/27/10 10:18
	Lead	40.0	38.9	97	ug/L	01/27/10 10:18
	Lead	40.0	38.9	97	ug/L	01/27/10 10:18
	Selenium	40.0	39.2	98	ug/L	01/27/10 10:18
	Selenium	40.0	39.2	98	ug/L	01/27/10 10:18
	Silver	40.0	41.4	104	ug/L	01/27/10 10:18
	Silver	40.0	41.4	104	ug/L	01/27/10 10:18
	Thallium	40.0	39.9	100	ug/L	01/27/10 10:18
	Thallium	40.0	39.9	100	ug/L	01/27/10 10:18
	Vanadium	40.0	36.9	92	ug/L	01/27/10 10:18
	Vanadium	40.0	36.9	92	ug/L	01/27/10 10:18
	Zinc	40.0	38.9	97	ug/L	01/27/10 10:18
0A27021-CCV2	Antimony	40.0	39.0	98	ug/L	01/27/10 10:47
	Antimony	40.0	39.0	98	ug/L	01/27/10 10:47
	Arsenic	40.0	42.1	105	ug/L	01/27/10 10:47
	Arsenic	40.0	42.1	105	ug/L	01/27/10 10:47
	Cadmium	40.0	38.6	96	ug/L	01/27/10 10:47
	Cadmium	40.0	38.6	96	ug/L	01/27/10 10:47
	Chromium	40.0	39.9	100	ug/L	01/27/10 10:47
	Chromium	40.0	39.9	100	ug/L	01/27/10 10:47
	Cobalt	40.0	39.4	98	ug/L	01/27/10 10:47
	Cobalt	40.0	39.4	98	ug/L	01/27/10 10:47
	Copper	40.0	40.7	102	ug/L	01/27/10 10:47
	Copper	40.0	40.7	102	ug/L	01/27/10 10:47
	Lead	40.0	40.8	102	ug/L	01/27/10 10:47
	Lead	40.0	40.8	102	ug/L	01/27/10 10:47
	Selenium	40.0	40.4	101	ug/L	01/27/10 10:47

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A27021
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0A27009

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A27021-CCV2	Selenium	40.0	40.4	101	ug/L	01/27/10 10:47
	Silver	40.0	39.6	99	ug/L	01/27/10 10:47
	Silver	40.0	39.6	99	ug/L	01/27/10 10:47
	Thallium	40.0	40.1	100	ug/L	01/27/10 10:47
	Thallium	40.0	40.1	100	ug/L	01/27/10 10:47
	Vanadium	40.0	38.6	96	ug/L	01/27/10 10:47
	Vanadium	40.0	38.6	96	ug/L	01/27/10 10:47
	Zinc	40.0	41.0	102	ug/L	01/27/10 10:47
0A27021-CCV3	Antimony	40.0	36.6	92	ug/L	01/27/10 11:43
	Antimony	40.0	36.6	92	ug/L	01/27/10 11:43
	Arsenic	40.0	39.9	100	ug/L	01/27/10 11:43
	Arsenic	40.0	39.9	100	ug/L	01/27/10 11:43
	Cadmium	40.0	40.1	100	ug/L	01/27/10 11:43
	Cadmium	40.0	40.1	100	ug/L	01/27/10 11:43
	Chromium	40.0	40.5	101	ug/L	01/27/10 11:43
	Chromium	40.0	40.5	101	ug/L	01/27/10 11:43
	Cobalt	40.0	40.3	101	ug/L	01/27/10 11:43
	Cobalt	40.0	40.3	101	ug/L	01/27/10 11:43
	Copper	40.0	38.5	96	ug/L	01/27/10 11:43
	Copper	40.0	38.5	96	ug/L	01/27/10 11:43
	Lead	40.0	40.8	102	ug/L	01/27/10 11:43
	Lead	40.0	40.8	102	ug/L	01/27/10 11:43
	Selenium	40.0	40.3	101	ug/L	01/27/10 11:43
	Selenium	40.0	40.3	101	ug/L	01/27/10 11:43
	Silver	40.0	39.7	99	ug/L	01/27/10 11:43
	Silver	40.0	39.7	99	ug/L	01/27/10 11:43
	Thallium	40.0	40.3	101	ug/L	01/27/10 11:43
	Thallium	40.0	40.3	101	ug/L	01/27/10 11:43
	Vanadium	40.0	36.9	92	ug/L	01/27/10 11:43
	Vanadium	40.0	36.9	92	ug/L	01/27/10 11:43
	Zinc	40.0	38.7	97	ug/L	01/27/10 11:43

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A27039
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0A27010

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A27039-CCV1	Beryllium	40.0	39.6	99	ug/L	01/27/10 12:34
	Beryllium	40.0	39.6	99	ug/L	01/27/10 12:34
0A27039-CCV2	Beryllium	40.0	40.8	102	ug/L	01/27/10 12:47
	Beryllium	40.0	40.8	102	ug/L	01/27/10 12:47
0A27039-CCV3	Beryllium	40.0	40.3	101	ug/L	01/27/10 13:03
	Beryllium	40.0	40.3	101	ug/L	01/27/10 13:03

* Values outside of QC limits

00443

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A28009
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0A28008

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A28009-CCV1	Arsenic	0.0400	0.0407	102	mg/L	01/28/10 09:04
	Beryllium	0.0400	0.0392	98	mg/L	01/28/10 09:04
	Cadmium	0.0400	0.0399	100	mg/L	01/28/10 09:04
	Chromium	0.0400	0.0405	101	mg/L	01/28/10 09:04
	Cobalt	0.0400	0.0408	102	mg/L	01/28/10 09:04
	Copper	0.0400	0.0407	102	mg/L	01/28/10 09:04
	Lead	0.0400	0.0402	100	mg/L	01/28/10 09:04
	Selenium	0.0400	0.0404	101	mg/L	01/28/10 09:04
	Silver	0.0400	0.0401	100	mg/L	01/28/10 09:04
	Thallium	0.0400	0.0404	101	mg/L	01/28/10 09:04
	Vanadium	0.0400	0.0394	99	mg/L	01/28/10 09:04
	Zinc	0.0400	0.0409	102	mg/L	01/28/10 09:04
0A28009-CCV2	Arsenic	0.0400	0.0409	102	mg/L	01/28/10 09:24
	Beryllium	0.0400	0.0394	99	mg/L	01/28/10 09:24
	Cadmium	0.0400	0.0396	99	mg/L	01/28/10 09:24
	Chromium	0.0400	0.0387	97	mg/L	01/28/10 09:24
	Cobalt	0.0400	0.0391	98	mg/L	01/28/10 09:24
	Copper	0.0400	0.0394	99	mg/L	01/28/10 09:24
	Lead	0.0400	0.0400	100	mg/L	01/28/10 09:24
	Selenium	0.0400	0.0394	99	mg/L	01/28/10 09:24
	Silver	0.0400	0.0399	100	mg/L	01/28/10 09:24
	Thallium	0.0400	0.0400	100	mg/L	01/28/10 09:24
	Vanadium	0.0400	0.0374	93	mg/L	01/28/10 09:24
	Zinc	0.0400	0.0402	100	mg/L	01/28/10 09:24
0A28009-CCV3	Arsenic	0.0400	0.0405	101	mg/L	01/28/10 10:05
	Beryllium	0.0400	0.0386	96	mg/L	01/28/10 10:05
	Cadmium	0.0400	0.0407	102	mg/L	01/28/10 10:05
	Chromium	0.0400	0.0406	102	mg/L	01/28/10 10:05
	Cobalt	0.0400	0.0406	101	mg/L	01/28/10 10:05
	Copper	0.0400	0.0402	100	mg/L	01/28/10 10:05
	Lead	0.0400	0.0399	100	mg/L	01/28/10 10:05
	Selenium	0.0400	0.0403	101	mg/L	01/28/10 10:05
	Silver	0.0400	0.0402	101	mg/L	01/28/10 10:05
	Thallium	0.0400	0.0400	100	mg/L	01/28/10 10:05
	Vanadium	0.0400	0.0394	98	mg/L	01/28/10 10:05
	Zinc	0.0400	0.0408	102	mg/L	01/28/10 10:05
0A28009-CCV4	Arsenic	0.0400	0.0404	101	mg/L	01/28/10 10:45
	Beryllium	0.0400	0.0393	98	mg/L	01/28/10 10:45

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A28009
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0A28008

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A28009-CCV4	Cadmium	0.0400	0.0400	100	mg/L	01/28/10 10:45
	Chromium	0.0400	0.0393	98	mg/L	01/28/10 10:45
	Cobalt	0.0400	0.0395	99	mg/L	01/28/10 10:45
	Copper	0.0400	0.0405	101	mg/L	01/28/10 10:45
	Lead	0.0400	0.0399	100	mg/L	01/28/10 10:45
	Selenium	0.0400	0.0401	100	mg/L	01/28/10 10:45
	Silver	0.0400	0.0396	99	mg/L	01/28/10 10:45
	Thallium	0.0400	0.0410	102	mg/L	01/28/10 10:45
	Vanadium	0.0400	0.0382	96	mg/L	01/28/10 10:45
	Zinc	0.0400	0.0399	100	mg/L	01/28/10 10:45
0A28009-CCV5	Arsenic	0.0400	0.0403	101	mg/L	01/28/10 11:27
	Beryllium	0.0400	0.0397	99	mg/L	01/28/10 11:27
	Cadmium	0.0400	0.0396	99	mg/L	01/28/10 11:27
	Chromium	0.0400	0.0384	96	mg/L	01/28/10 11:27
	Cobalt	0.0400	0.0395	99	mg/L	01/28/10 11:27
	Copper	0.0400	0.0404	101	mg/L	01/28/10 11:27
	Lead	0.0400	0.0398	100	mg/L	01/28/10 11:27
	Selenium	0.0400	0.0389	97	mg/L	01/28/10 11:27
	Silver	0.0400	0.0396	99	mg/L	01/28/10 11:27
	Thallium	0.0400	0.0407	102	mg/L	01/28/10 11:27
	Vanadium	0.0400	0.0376	94	mg/L	01/28/10 11:27
	Zinc	0.0400	0.0389	97	mg/L	01/28/10 11:27
0A28009-CCV6	Arsenic	0.0400	0.0403	101	mg/L	01/28/10 11:37
	Beryllium	0.0400	0.0389	97	mg/L	01/28/10 11:37
	Cadmium	0.0400	0.0392	98	mg/L	01/28/10 11:37
	Chromium	0.0400	0.0385	96	mg/L	01/28/10 11:37
	Cobalt	0.0400	0.0390	97	mg/L	01/28/10 11:37
	Copper	0.0400	0.0394	98	mg/L	01/28/10 11:37
	Lead	0.0400	0.0397	99	mg/L	01/28/10 11:37
	Selenium	0.0400	0.0400	100	mg/L	01/28/10 11:37
	Silver	0.0400	0.0393	98	mg/L	01/28/10 11:37
	Thallium	0.0400	0.0401	100	mg/L	01/28/10 11:37
	Vanadium	0.0400	0.0371	93	mg/L	01/28/10 11:37
	Zinc	0.0400	0.0401	100	mg/L	01/28/10 11:37

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A29004
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0A29003

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A29004-CCV1	Zinc	40.0	41.4	104	ug/L	01/29/10 08:36
0A29004-CCV2	Zinc	40.0	41.0	102	ug/L	01/29/10 08:49
0A29004-CCV3	Zinc	40.0	40.9	102	ug/L	01/29/10 09:00

* Values outside of QC limits

: 00446

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A29012
Instrument ID: 201
Control Limt: +/- 10.00%
Calibration: 0A29013

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A29012-CCV1	Antimony	0.0400	0.0405	101	mg/L	01/29/10 11:02
0A29012-CCV2	Antimony	0.0400	0.0402	101	mg/L	01/29/10 11:14
0A29012-CCV3	Antimony	0.0400	0.0394	98	mg/L	01/29/10 11:41
0A29012-CCV4	Antimony	0.0400	0.0409	102	mg/L	01/29/10 12:10
0A29012-CCV5	Antimony	0.0400	0.0406	101	mg/L	01/29/10 12:38
0A29012-CCV6	Antimony	0.0400	0.0415	104	mg/L	01/29/10 12:56

* Values outside of QC limits

: 00447

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM011810

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0A25028 **Instrument:** 201

Laboratory ID: 0A25028-SCV1 **Calibration:** 0A25012

Analyte	Expected	Found	% R	QC Limit	Units
Arsenic	0.0400	0.0391	98	90-110	mg/L
Beryllium	0.0400	0.0390	98	90-110	mg/L
Cadmium	0.0400	0.0397	99	90-110	mg/L
Chromium	0.0400	0.0394	99	90-110	mg/L
Cobalt	0.0400	0.0399	100	90-110	mg/L
Copper	0.0400	0.0399	100	90-110	mg/L
Lead	0.0400	0.0390	98	90-110	mg/L
Selenium	0.0400	0.0372	93	90-110	mg/L
Silver	0.0400	0.0399	100	90-110	mg/L
Thallium	0.0400	0.0401	100	90-110	mg/L
Vanadium	0.0400	0.0377	94	90-110	mg/L
Zinc	0.0400	0.0395	99	90-110	mg/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM011810

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0A25056 **Instrument:** 201

Laboratory ID: 0A25056-SCV1 **Calibration:** 0A26003

Analyte	Expected	Found	% R	QC Limit	Units
Beryllium	0.0400	0.0384	96	90-110	mg/L

* Values outside of QC limits

: 00449

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A26011
Instrument: 201
Laboratory ID: 0A26011-SCV1
Calibration: 0A26004

Analyte	Expected	Found	% R	QC Limit	Units
Beryllium	0.0400	0.0400	100	90-110	mg/L

* Values outside of QC limits

: 00450

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM011810

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0A27021 **Instrument:** 114

Laboratory ID: 0A27021-SCV1 **Calibration:** 0A27009

Analyte	Expected	Found	% R	QC Limit	Units
Antimony	40.0	36.6	92	90-110	ug/L
Antimony	40.0	36.6	92	90-110	ug/L
Arsenic	40.0	38.5	96	90-110	ug/L
Arsenic	40.0	38.5	96	90-110	ug/L
Cadmium	40.0	43.0	108	90-110	ug/L
Cadmium	40.0	43.0	108	90-110	ug/L
Chromium	40.0	39.1	98	90-110	ug/L
Chromium	40.0	39.1	98	90-110	ug/L
Cobalt	40.0	40.9	102	90-110	ug/L
Cobalt	40.0	40.9	102	90-110	ug/L
Copper	40.0	37.8	95	90-110	ug/L
Copper	40.0	37.8	95	90-110	ug/L
Lead	40.0	38.9	97	90-110	ug/L
Lead	40.0	38.9	97	90-110	ug/L
Selenium	40.0	39.2	98	90-110	ug/L
Selenium	40.0	39.2	98	90-110	ug/L
Silver	40.0	41.4	104	90-110	ug/L
Silver	40.0	41.4	104	90-110	ug/L
Thallium	40.0	39.9	100	90-110	ug/L
Thallium	40.0	39.9	100	90-110	ug/L
Vanadium	40.0	36.9	92	90-110	ug/L
Vanadium	40.0	36.9	92	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:** PM011810

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0A27039 **Instrument:** 114

Laboratory ID: 0A27039-SCV1 **Calibration:** 0A27010

Analyte	Expected	Found	% R	QC Limit	Units
Beryllium	40.0	39.6	99	90-110	ug/L
Beryllium	40.0	39.6	99	90-110	ug/L

* Values outside of QC limits

: 00452

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM011810

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0A28009 **Instrument:** 114

Laboratory ID: 0A28009-SCV1 **Calibration:** 0A28008

Analyte	Expected	Found	% R	QC Limit	Units
Arsenic	0.0400	0.0407	102	90-110	mg/L
Beryllium	0.0400	0.0392	98	90-110	mg/L
Cadmium	0.0400	0.0399	100	90-110	mg/L
Chromium	0.0400	0.0405	101	90-110	mg/L
Cobalt	0.0400	0.0408	102	90-110	mg/L
Copper	0.0400	0.0407	102	90-110	mg/L
Lead	0.0400	0.0402	101	90-110	mg/L
Selenium	0.0400	0.0404	101	90-110	mg/L
Silver	0.0400	0.0401	100	90-110	mg/L
Thallium	0.0400	0.0404	101	90-110	mg/L
Vanadium	0.0400	0.0394	99	90-110	mg/L
Zinc	0.0400	0.0409	102	90-110	mg/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A29004
Instrument: 114
Laboratory ID: 0A29004-SCV1
Calibration: 0A29003

Analyte	Expected	Found	% R	QC Limit	Units
Zinc	40.0	41.4	104	90-110	ug/L

* Values outside of QC limits

: 00454

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A29012
Instrument: 201
Laboratory ID: 0A29012-SCV1
Calibration: 0A29013

Analyte	Expected	Found	% R	QC Limit	Units
Antimony	0.0400	0.0405	101	90-110	mg/L

* Values outside of QC limits

: 00455

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0A25028

Instrument ID: 201

Calibration: 0A25012

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A25028-CRL1	Cadmium	0.000200	0.000199	100	mg/L	50 - 150
	Silver	0.000200	0.000199	100	mg/L	50 - 150
	Thallium	0.000200	0.000205	102	mg/L	50 - 150
0A25028-CRL2	Arsenic	0.00100	0.000973	97	mg/L	50 - 150
	Beryllium	0.00100	0.000963	96	mg/L	50 - 150
	Chromium	0.00100	0.00105	105	mg/L	50 - 150
	Cobalt	0.00100	0.00101	101	mg/L	50 - 150
	Copper	0.00100	0.00103	103	mg/L	50 - 150
	Lead	0.00100	0.000995	100	mg/L	50 - 150
	Selenium	0.00100	0.000826	83	mg/L	50 - 150
	Vanadium	0.00100	0.00102	102	mg/L	50 - 150
	Zinc	0.00100	0.00101	101	mg/L	50 - 150

* Values outside of QC limits

: 00456

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A25056

SDG: PM011810

Project: Plainwell Mill

Instrument ID: 201

Calibration: 0A26003

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A25056-CRL1	Beryllium	0.00100	0.00102	102	mg/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0A26011

Instrument ID: 201

Calibration: 0A26004

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A26011-CRL1	Beryllium	0.00100	0.00101	101	mg/L	50 - 150

* Values outside of QC limits

00458

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0A27021

Instrument ID: 114

Calibration: 0A27009

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A27021-CRL1	Cadmium	0.200	0.188	94	ug/L	50 - 150
	Cadmium	0.200	0.188	94	ug/L	50 - 150
	Silver	0.200	0.191	96	ug/L	50 - 150
	Silver	0.200	0.191	96	ug/L	50 - 150
	Thallium	0.200	0.203	101	ug/L	50 - 150
	Thallium	0.200	0.203	101	ug/L	50 - 150
0A27021-CRL2	Antimony	1.00	0.898	90	ug/L	50 - 150
	Antimony	1.00	0.898	90	ug/L	50 - 150
	Arsenic	1.00	0.891	89	ug/L	50 - 150
	Arsenic	1.00	0.891	89	ug/L	50 - 150
	Chromium	1.00	0.890	89	ug/L	50 - 150
	Chromium	1.00	0.890	89	ug/L	50 - 150
	Cobalt	1.00	0.996	100	ug/L	50 - 150
	Cobalt	1.00	0.996	100	ug/L	50 - 150
	Copper	1.00	0.938	94	ug/L	50 - 150
	Copper	1.00	0.938	94	ug/L	50 - 150
	Lead	1.00	0.983	98	ug/L	50 - 150
	Lead	1.00	0.983	98	ug/L	50 - 150
	Selenium	1.00	1.12	112	ug/L	50 - 150
	Selenium	1.00	1.12	112	ug/L	50 - 150
	Vanadium	1.00	0.909	91	ug/L	50 - 150
	Vanadium	1.00	0.909	91	ug/L	50 - 150
	Zinc	1.00	0.939	94	ug/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0A27039

Instrument ID: 114

Calibration: 0A27010

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A27039-CRL1	Beryllium	1.00	1.01	101	ug/L	50 - 150
	Beryllium	1.00	1.01	101	ug/L	50 - 150

* Values outside of QC limits

: 00460

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0A28009

Instrument ID: 114

Calibration: 0A28008

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A28009-CRL1	Cadmium	0.000200	0.000199	100	mg/L	50 - 150
	Silver	0.000200	0.000222	111	mg/L	50 - 150
	Thallium	0.000200	0.000204	102	mg/L	50 - 150
0A28009-CRL2	Arsenic	0.00100	0.00100	100	mg/L	50 - 150
	Beryllium	0.00100	0.000975	97	mg/L	50 - 150
	Chromium	0.00100	0.000989	99	mg/L	50 - 150
	Cobalt	0.00100	0.00100	100	mg/L	50 - 150
	Copper	0.00100	0.00103	103	mg/L	50 - 150
	Lead	0.00100	0.00100	100	mg/L	50 - 150
	Selenium	0.00100	0.000964	96	mg/L	50 - 150
	Vanadium	0.00100	0.000996	100	mg/L	50 - 150
	Zinc	0.00100	0.00104	104	mg/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0A29004

Instrument ID: 114

Calibration: 0A29003

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A29004-CRL1	Zinc	1.00	1.08	108	ug/L	50 - 150

* Values outside of QC limits

: 00462

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0A29012

Instrument ID: 201

Calibration: 0A29013

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A29012-CRL1	Antimony	0.00100	0.00106	106	mg/L	50 - 150

* Values outside of QC limits

: 00463

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25028

SDG: PM011810
Project: Plainwell Mill
Instrument ID: 201
Calibration: 0A25012

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A25028-CCB1	Arsenic	0.000012	0.00020	0.000079	mg/L	U	01/25/10 10:57
	Beryllium	0.000012	0.00020	0.000062	mg/L	U	01/25/10 10:57
	Cadmium	0.0000040	0.00010	0.000015	mg/L	U	01/25/10 10:57
	Chromium	0.000038	0.00040	0.00011	mg/L	U	01/25/10 10:57
	Cobalt	0.0000040	0.00020	0.000016	mg/L	U	01/25/10 10:57
	Copper	0.0000070	0.00020	0.00016	mg/L	U	01/25/10 10:57
	Lead	0.0000050	0.00020	0.00011	mg/L	U	01/25/10 10:57
	Selenium	-0.000011	0.00040	0.00018	mg/L	U	01/25/10 10:57
	Silver	0.000020	0.00010	0.000022	mg/L	U	01/25/10 10:57
	Thallium	0.0000050	0.00010	0.000032	mg/L	U	01/25/10 10:57
	Vanadium	-0.000011	0.00020	0.000079	mg/L	U	01/25/10 10:57
	Zinc	-0.0000030	0.0020	0.00093	mg/L	U	01/25/10 10:57
0A25028-CCB2	Arsenic	0.000014	0.00020	0.000079	mg/L	U	01/25/10 11:17
	Beryllium	-0.0000010	0.00020	0.000062	mg/L	U	01/25/10 11:17
	Cadmium	0.0000030	0.00010	0.000015	mg/L	U	01/25/10 11:17
	Chromium	0.00010	0.00040	0.00011	mg/L	U	01/25/10 11:17
	Cobalt	0.0000030	0.00020	0.000016	mg/L	U	01/25/10 11:17
	Copper	0.0000030	0.00020	0.00016	mg/L	U	01/25/10 11:17
	Lead	0.0000050	0.00020	0.00011	mg/L	U	01/25/10 11:17
	Selenium	0.000026	0.00040	0.00018	mg/L	U	01/25/10 11:17
	Silver	0.000018	0.00010	0.000022	mg/L	U	01/25/10 11:17
	Thallium	0.0000050	0.00010	0.000032	mg/L	U	01/25/10 11:17
	Vanadium	0.000062	0.00020	0.000079	mg/L	U	01/25/10 11:17
	Zinc	-0.0000020	0.0020	0.00093	mg/L	U	01/25/10 11:17
0A25028-CCB3	Arsenic	0.000038	0.00020	0.000079	mg/L	U	01/25/10 11:58
	Beryllium	0.0000050	0.00020	0.000062	mg/L	U	01/25/10 11:58
	Cadmium	0.0000020	0.00010	0.000015	mg/L	U	01/25/10 11:58
	Chromium	0.00014	0.00040	0.00011	mg/L	J	01/25/10 11:58
	Cobalt	0.0000020	0.00020	0.000016	mg/L	U	01/25/10 11:58
	Copper	0.0000050	0.00020	0.00016	mg/L	U	01/25/10 11:58
	Lead	0.0000050	0.00020	0.00011	mg/L	U	01/25/10 11:58
	Selenium	-0.000039	0.00040	0.00018	mg/L	U	01/25/10 11:58
	Silver	0.000015	0.00010	0.000022	mg/L	U	01/25/10 11:58

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25028

SDG: PM011810
Project: Plainwell Mill
Instrument ID: 201
Calibration: 0A25012

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A25028-CCB3	Thallium	0.0000030	0.00010	0.000032	mg/L	U	01/25/10 11:58
	Vanadium	0.000032	0.00020	0.000079	mg/L	U	01/25/10 11:58
	Zinc	-0.000013	0.0020	0.00093	mg/L	U	01/25/10 11:58
0A25028-CCB4	Arsenic	0.000039	0.00020	0.000079	mg/L	U	01/25/10 12:39
	Cadmium	0.0000030	0.00010	0.000015	mg/L	U	01/25/10 12:39
	Chromium	0.00012	0.00040	0.00011	mg/L	J	01/25/10 12:39
	Cobalt	0.0000020	0.00020	0.000016	mg/L	U	01/25/10 12:39
	Copper	0.0000060	0.00020	0.00016	mg/L	U	01/25/10 12:39
	Lead	0.0000060	0.00020	0.00011	mg/L	U	01/25/10 12:39
	Selenium	0.000043	0.00040	0.00018	mg/L	U	01/25/10 12:39
	Silver	0.000019	0.00010	0.000022	mg/L	U	01/25/10 12:39
	Thallium	0.0000040	0.00010	0.000032	mg/L	U	01/25/10 12:39
	Vanadium	0.000044	0.00020	0.000079	mg/L	U	01/25/10 12:39
	Zinc	-0.000020	0.0020	0.00093	mg/L	U	01/25/10 12:39
0A25028-CCB5	Arsenic	0.000015	0.00020	0.000079	mg/L	U	01/25/10 13:19
	Cadmium	0.0000020	0.00010	0.000015	mg/L	U	01/25/10 13:19
	Chromium	0.000083	0.00040	0.00011	mg/L	U	01/25/10 13:19
	Cobalt	0.0000020	0.00020	0.000016	mg/L	U	01/25/10 13:19
	Copper	0.000015	0.00020	0.00016	mg/L	U	01/25/10 13:19
	Lead	0.0000050	0.00020	0.00011	mg/L	U	01/25/10 13:19
	Selenium	-0.000026	0.00040	0.00018	mg/L	U	01/25/10 13:19
	Silver	0.000017	0.00010	0.000022	mg/L	U	01/25/10 13:19
	Thallium	0.0000040	0.00010	0.000032	mg/L	U	01/25/10 13:19
	Vanadium	0.000034	0.00020	0.000079	mg/L	U	01/25/10 13:19
	Zinc	-0.000018	0.0020	0.00093	mg/L	U	01/25/10 13:19
0A25028-CCB6	Arsenic	0.000021	0.00020	0.000079	mg/L	U	01/25/10 13:33
	Cadmium	0.0000030	0.00010	0.000015	mg/L	U	01/25/10 13:33
	Chromium	0.00019	0.00040	0.00011	mg/L	J	01/25/10 13:33
	Cobalt	0.0000020	0.00020	0.000016	mg/L	U	01/25/10 13:33
	Copper	0.000013	0.00020	0.00016	mg/L	U	01/25/10 13:33
	Lead	0.0000050	0.00020	0.00011	mg/L	U	01/25/10 13:33
	Selenium	-0.000015	0.00040	0.00018	mg/L	U	01/25/10 13:33
	Silver	0.000020	0.00010	0.000022	mg/L	U	01/25/10 13:33

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25028

SDG: PM011810
Project: Plainwell Mill
Instrument ID: 201
Calibration: 0A25012

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A25028-CCB6	Thallium	0.0000030	0.00010	0.000032	mg/L	U	01/25/10 13:33
	Vanadium	0.000057	0.00020	0.000079	mg/L	U	01/25/10 13:33
	Zinc	-0.000014	0.0020	0.00093	mg/L	U	01/25/10 13:33
0A25028-CCB7	Copper	0.000011	0.00020	0.00016	mg/L	U	01/25/10 14:04
	Lead	0.0000060	0.00020	0.00011	mg/L	U	01/25/10 14:04
	Zinc	-0.000011	0.0020	0.00093	mg/L	U	01/25/10 14:04
0A25028-CCB8	Copper	0.0000070	0.00020	0.00016	mg/L	U	01/25/10 14:20
	Lead	0.0000060	0.00020	0.00011	mg/L	U	01/25/10 14:20
	Zinc	-0.000019	0.0020	0.00093	mg/L	U	01/25/10 14:20

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25056
Instrument ID: 201
Calibration: 0A26003

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A25056-CCB1	Beryllium	0.0000030	0.00020	0.000062	mg/L	U	01/25/10 15:17
0A25056-CCB2	Beryllium	0.000011	0.00020	0.000062	mg/L	U	01/25/10 15:26
0A25056-CCB3	Beryllium	0.000011	0.00020	0.000062	mg/L	U	01/25/10 15:50
0A25056-CCB4	Beryllium	-0.0000010	0.00020	0.000062	mg/L	U	01/25/10 16:13

* Values outside of QC limits

: 00467

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A26011

SDG: PM011810
Project: Plainwell Mill
Instrument ID: 201
Calibration: 0A26004

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A26011-CCB1	Beryllium	0.0000080	0.00020	0.000062	mg/L	U	01/26/10 10:31
0A26011-CCB2	Beryllium	0.0000060	0.00020	0.000062	mg/L	U	01/26/10 10:40
0A26011-CCB3	Beryllium	0.0000070	0.00020	0.000062	mg/L	U	01/26/10 10:56

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A27021
Instrument ID: 114
Calibration: 0A27009

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A27021-CCB1	Antimony	0.071	0.20	0.071	ug/L	U	01/27/10 10:26
	Antimony	0.071	0.20	0.071	ug/L	U	01/27/10 10:26
	Arsenic	0.012	0.20	0.076	ug/L	U	01/27/10 10:26
	Arsenic	0.012	0.20	0.076	ug/L	U	01/27/10 10:26
	Cadmium	0.0035	0.040	0.011	ug/L	U	01/27/10 10:26
	Cadmium	0.0035	0.040	0.011	ug/L	U	01/27/10 10:26
	Chromium	-0.0020	1.0	0.091	ug/L	U	01/27/10 10:26
	Chromium	-0.0020	1.0	0.091	ug/L	U	01/27/10 10:26
	Cobalt	0.0027	0.20	0.0084	ug/L	U	01/27/10 10:26
	Cobalt	0.0027	0.20	0.0084	ug/L	U	01/27/10 10:26
	Copper	0.0011	0.40	0.14	ug/L	U	01/27/10 10:26
	Copper	0.0011	0.40	0.14	ug/L	U	01/27/10 10:26
	Lead	0.0015	0.20	0.043	ug/L	U	01/27/10 10:26
	Lead	0.0015	0.20	0.043	ug/L	U	01/27/10 10:26
	Selenium	0.044	0.40	0.16	ug/L	U	01/27/10 10:26
	Selenium	0.044	0.40	0.16	ug/L	U	01/27/10 10:26
	Silver	0.0044	0.040	0.012	ug/L	U	01/27/10 10:26
	Silver	0.0044	0.040	0.012	ug/L	U	01/27/10 10:26
	Thallium	0.00047	0.20	0.011	ug/L	U	01/27/10 10:26
	Thallium	0.00047	0.20	0.011	ug/L	U	01/27/10 10:26
	Vanadium	-0.0025	0.20	0.056	ug/L	U	01/27/10 10:26
	Vanadium	-0.0025	0.20	0.056	ug/L	U	01/27/10 10:26
	Zinc	-0.0050	10	0.58	ug/L	U	01/27/10 10:26
0A27021-CCB2	Antimony	0.053	0.20	0.071	ug/L	U	01/27/10 10:55
	Antimony	0.053	0.20	0.071	ug/L	U	01/27/10 10:55
	Arsenic	0.041	0.20	0.076	ug/L	U	01/27/10 10:55
	Arsenic	0.041	0.20	0.076	ug/L	U	01/27/10 10:55
	Cadmium	0.0023	0.040	0.011	ug/L	U	01/27/10 10:55
	Cadmium	0.0023	0.040	0.011	ug/L	U	01/27/10 10:55
	Chromium	-0.095	1.0	0.091	ug/L	J	01/27/10 10:55
	Chromium	-0.095	1.0	0.091	ug/L	J	01/27/10 10:55
	Cobalt	0.0011	0.20	0.0084	ug/L	U	01/27/10 10:55
	Cobalt	0.0011	0.20	0.0084	ug/L	U	01/27/10 10:55

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27021

SDG: PM011810
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0A27009

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A27021-CCB2	Copper	0.0020	0.40	0.14	ug/L	U	01/27/10 10:55
	Copper	0.0020	0.40	0.14	ug/L	U	01/27/10 10:55
	Lead	0.00090	0.20	0.043	ug/L	U	01/27/10 10:55
	Lead	0.00090	0.20	0.043	ug/L	U	01/27/10 10:55
	Selenium	0.18	0.40	0.16	ug/L	J	01/27/10 10:55
	Selenium	0.18	0.40	0.16	ug/L	J	01/27/10 10:55
	Silver	0.0022	0.040	0.012	ug/L	U	01/27/10 10:55
	Silver	0.0022	0.040	0.012	ug/L	U	01/27/10 10:55
	Thallium	-0.00051	0.20	0.011	ug/L	U	01/27/10 10:55
	Thallium	-0.00051	0.20	0.011	ug/L	U	01/27/10 10:55
	Vanadium	-0.033	0.20	0.056	ug/L	U	01/27/10 10:55
	Vanadium	-0.033	0.20	0.056	ug/L	U	01/27/10 10:55
	Zinc	0.0015	10	0.58	ug/L	U	01/27/10 10:55
0A27021-CCB3	Antimony	0.047	0.20	0.071	ug/L	U	01/27/10 11:51
	Antimony	0.047	0.20	0.071	ug/L	U	01/27/10 11:51
	Arsenic	-0.00036	0.20	0.076	ug/L	U	01/27/10 11:51
	Arsenic	-0.00036	0.20	0.076	ug/L	U	01/27/10 11:51
	Cadmium	0.0015	0.040	0.011	ug/L	U	01/27/10 11:51
	Cadmium	0.0015	0.040	0.011	ug/L	U	01/27/10 11:51
	Chromium	-0.071	1.0	0.091	ug/L	U	01/27/10 11:51
	Chromium	-0.071	1.0	0.091	ug/L	U	01/27/10 11:51
	Cobalt	-0.00071	0.20	0.0084	ug/L	U	01/27/10 11:51
	Cobalt	-0.00071	0.20	0.0084	ug/L	U	01/27/10 11:51
	Copper	0.0015	0.40	0.14	ug/L	U	01/27/10 11:51
	Copper	0.0015	0.40	0.14	ug/L	U	01/27/10 11:51
	Lead	-0.00090	0.20	0.043	ug/L	U	01/27/10 11:51
	Lead	-0.00090	0.20	0.043	ug/L	U	01/27/10 11:51
	Selenium	0.16	0.40	0.16	ug/L	J	01/27/10 11:51
	Selenium	0.16	0.40	0.16	ug/L	J	01/27/10 11:51
	Silver	0.0025	0.040	0.012	ug/L	U	01/27/10 11:51
	Silver	0.0025	0.040	0.012	ug/L	U	01/27/10 11:51
	Thallium	-0.0019	0.20	0.011	ug/L	U	01/27/10 11:51
	Thallium	-0.0019	0.20	0.011	ug/L	U	01/27/10 11:51

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27021

SDG: PM011810
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0A27009

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A27021-CCB3	Vanadium	-0.026	0.20	0.056	ug/L	U	01/27/10 11:51
	Vanadium	-0.026	0.20	0.056	ug/L	U	01/27/10 11:51
	Zinc	-0.012	10	0.58	ug/L	U	01/27/10 11:51

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A27039
Instrument ID: 114
Calibration: 0A27010

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A27039-CCB1	Beryllium	0.0023	0.20	0.060	ug/L	U	01/27/10 12:37
	Beryllium	0.0023	0.20	0.060	ug/L	U	01/27/10 12:37
0A27039-CCB2	Beryllium	0.0035	0.20	0.060	ug/L	U	01/27/10 12:49
	Beryllium	0.0035	0.20	0.060	ug/L	U	01/27/10 12:49
0A27039-CCB3	Beryllium	0.0067	0.20	0.060	ug/L	U	01/27/10 13:05
	Beryllium	0.0067	0.20	0.060	ug/L	U	01/27/10 13:05

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A28009
Instrument ID: 114
Calibration: 0A28008

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A28009-CCB1	Arsenic	0.000053	0.00020	0.000079	mg/L	U	01/28/10 09:07
	Beryllium	0.0000060	0.00020	0.000062	mg/L	U	01/28/10 09:07
	Cadmium	0.0000020	0.00010	0.000015	mg/L	U	01/28/10 09:07
	Chromium	-0.000021	0.00040	0.00011	mg/L	U	01/28/10 09:07
	Cobalt	0.0000020	0.00020	0.000016	mg/L	U	01/28/10 09:07
	Copper	0.0000060	0.00020	0.00016	mg/L	U	01/28/10 09:07
	Lead	0.0000060	0.00020	0.00011	mg/L	U	01/28/10 09:07
	Selenium	-0.000020	0.00040	0.00018	mg/L	U	01/28/10 09:07
	Silver	0.000029	0.00010	0.000022	mg/L	J	01/28/10 09:07
	Thallium	0.0000070	0.00010	0.000032	mg/L	U	01/28/10 09:07
	Vanadium	0.0000080	0.00020	0.000079	mg/L	U	01/28/10 09:07
	Zinc	-0.000027	0.0020	0.00093	mg/L	U	01/28/10 09:07
0A28009-CCB2	Arsenic	0.000040	0.00020	0.000079	mg/L	U	01/28/10 09:27
	Beryllium	0.0000060	0.00020	0.000062	mg/L	U	01/28/10 09:27
	Cadmium	0.0000020	0.00010	0.000015	mg/L	U	01/28/10 09:27
	Chromium	-0.000080	0.00040	0.00011	mg/L	U	01/28/10 09:27
	Cobalt	0.0000010	0.00020	0.000016	mg/L	U	01/28/10 09:27
	Copper	0.0	0.00020	0.00016	mg/L	U	01/28/10 09:27
	Lead	0.0000040	0.00020	0.00011	mg/L	U	01/28/10 09:27
	Selenium	0.000012	0.00040	0.00018	mg/L	U	01/28/10 09:27
	Silver	0.000023	0.00010	0.000022	mg/L	J	01/28/10 09:27
	Thallium	0.0000020	0.00010	0.000032	mg/L	U	01/28/10 09:27
	Vanadium	-0.000015	0.00020	0.000079	mg/L	U	01/28/10 09:27
	Zinc	-0.000027	0.0020	0.00093	mg/L	U	01/28/10 09:27
0A28009-CCB3	Arsenic	0.000085	0.00020	0.000079	mg/L	J	01/28/10 10:08
	Beryllium	0.0000020	0.00020	0.000062	mg/L	U	01/28/10 10:08
	Cadmium	0.0000030	0.00010	0.000015	mg/L	U	01/28/10 10:08
	Chromium	0.00010	0.00040	0.00011	mg/L	U	01/28/10 10:08
	Cobalt	-0.0000010	0.00020	0.000016	mg/L	U	01/28/10 10:08
	Copper	0.0000010	0.00020	0.00016	mg/L	U	01/28/10 10:08
	Lead	0.0000080	0.00020	0.00011	mg/L	U	01/28/10 10:08
	Selenium	0.000042	0.00040	0.00018	mg/L	U	01/28/10 10:08
	Silver	0.000022	0.00010	0.000022	mg/L	J	01/28/10 10:08

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A28009
Instrument ID: 114
Calibration: 0A28008

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A28009-CCB3	Thallium	0.0000030	0.00010	0.000032	mg/L	U	01/28/10 10:08
	Vanadium	0.000035	0.00020	0.000079	mg/L	U	01/28/10 10:08
	Zinc	-0.000043	0.0020	0.00093	mg/L	U	01/28/10 10:08
0A28009-CCB4	Arsenic	0.000043	0.00020	0.000079	mg/L	U	01/28/10 10:49
	Beryllium	0.0000020	0.00020	0.000062	mg/L	U	01/28/10 10:49
	Cadmium	0.0000010	0.00010	0.000015	mg/L	U	01/28/10 10:49
	Chromium	-0.000011	0.00040	0.00011	mg/L	U	01/28/10 10:49
	Cobalt	-0.0000010	0.00020	0.000016	mg/L	U	01/28/10 10:49
	Copper	0.0000020	0.00020	0.00016	mg/L	U	01/28/10 10:49
	Lead	0.000010	0.00020	0.00011	mg/L	U	01/28/10 10:49
	Selenium	0.000016	0.00040	0.00018	mg/L	U	01/28/10 10:49
	Silver	0.000019	0.00010	0.000022	mg/L	U	01/28/10 10:49
	Thallium	0.0000030	0.00010	0.000032	mg/L	U	01/28/10 10:49
	Vanadium	0.0000030	0.00020	0.000079	mg/L	U	01/28/10 10:49
	Zinc	-0.000045	0.0020	0.00093	mg/L	U	01/28/10 10:49
0A28009-CCB5	Arsenic	0.000056	0.00020	0.000079	mg/L	U	01/28/10 11:30
	Beryllium	0.0000040	0.00020	0.000062	mg/L	U	01/28/10 11:30
	Cadmium	0.0000020	0.00010	0.000015	mg/L	U	01/28/10 11:30
	Chromium	0.0	0.00040	0.00011	mg/L	U	01/28/10 11:30
	Cobalt	0.0	0.00020	0.000016	mg/L	U	01/28/10 11:30
	Copper	0.0000030	0.00020	0.00016	mg/L	U	01/28/10 11:30
	Lead	0.000010	0.00020	0.00011	mg/L	U	01/28/10 11:30
	Selenium	0.000037	0.00040	0.00018	mg/L	U	01/28/10 11:30
	Silver	0.000017	0.00010	0.000022	mg/L	U	01/28/10 11:30
	Thallium	0.0000030	0.00010	0.000032	mg/L	U	01/28/10 11:30
	Vanadium	0.0000030	0.00020	0.000079	mg/L	U	01/28/10 11:30
	Zinc	-0.000054	0.0020	0.00093	mg/L	U	01/28/10 11:30
0A28009-CCB6	Arsenic	0.000038	0.00020	0.000079	mg/L	U	01/28/10 11:40
	Beryllium	0.0000060	0.00020	0.000062	mg/L	U	01/28/10 11:40
	Cadmium	0.0000030	0.00010	0.000015	mg/L	U	01/28/10 11:40
	Chromium	-0.000036	0.00040	0.00011	mg/L	U	01/28/10 11:40
	Cobalt	-0.0000010	0.00020	0.000016	mg/L	U	01/28/10 11:40
	Copper	0.0000010	0.00020	0.00016	mg/L	U	01/28/10 11:40

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A28009
Instrument ID: 114
Calibration: 0A28008

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A28009-CCB6	Lead	0.0000090	0.00020	0.00011	mg/L	U	01/28/10 11:40
	Selenium	0.000020	0.00040	0.00018	mg/L	U	01/28/10 11:40
	Silver	0.000018	0.00010	0.000022	mg/L	U	01/28/10 11:40
	Thallium	0.0000030	0.00010	0.000032	mg/L	U	01/28/10 11:40
	Vanadium	-0.000014	0.00020	0.000079	mg/L	U	01/28/10 11:40
	Zinc	-0.000042	0.0020	0.00093	mg/L	U	01/28/10 11:40

* Values outside of QC limits

00475

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A29004
Instrument ID: 114
Calibration: 0A29003

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A29004-CCB1	Zinc	0.0047	10	0.58	ug/L	U	01/29/10 08:39
0A29004-CCB2	Zinc	-0.011	10	0.58	ug/L	U	01/29/10 08:51
0A29004-CCB3	Zinc	-0.0035	10	0.58	ug/L	U	01/29/10 09:02

* Values outside of QC limits

00476

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A29012
Instrument ID: 201
Calibration: 0A29013

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A29012-CCB1	Antimony	0.000036	0.00020	0.000090	mg/L	U	01/29/10 11:05
0A29012-CCB2	Antimony	0.000019	0.00020	0.000090	mg/L	U	01/29/10 11:17
0A29012-CCB3	Antimony	0.0000080	0.00020	0.000090	mg/L	U	01/29/10 11:44
0A29012-CCB4	Antimony	0.0000050	0.00020	0.000090	mg/L	U	01/29/10 12:13
0A29012-CCB5	Antimony	-0.0000030	0.00020	0.000090	mg/L	U	01/29/10 12:41
0A29012-CCB6	Antimony	-0.0000040	0.00020	0.000090	mg/L	U	01/29/10 12:59

* Values outside of QC limits

00477

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A25028

SDG: PM011810

Project: Plainwell Mill

Instrument ID: 201

Calibration: 0A25012

Lab Sample ID	Analyte	True	Found	%R	Units
0A25028-IFA1	Arsenic	0.00	-0.0000130		mg/L
	Beryllium	0.00	-0.00000200		mg/L
	Cadmium	0.00	0.000280		mg/L
	Chromium	0.00	0.000281		mg/L
	Cobalt	0.00	0.0000110		mg/L
	Copper	0.00	0.000296		mg/L
	Lead	0.00	0.0000110		mg/L
	Selenium	0.00	0.0000340		mg/L
	Silver	0.00	0.0000140		mg/L
	Thallium	0.00	0.00000200		mg/L
	Vanadium	0.00	0.0000500		mg/L
	Zinc	0.00	0.00162		mg/L
0A25028-IFB1	Arsenic	0.0200	0.0195	98	mg/L
	Beryllium	0.0200	0.0212	106	mg/L
	Cadmium	0.0200	0.0201	100	mg/L
	Chromium	0.0200	0.0217	109	mg/L
	Cobalt	0.0200	0.0206	103	mg/L
	Copper	0.0200	0.0198	99	mg/L
	Lead	0.0200	0.0192	96	mg/L
	Selenium	0.0200	0.0182	91	mg/L
	Silver	0.0200	0.0195	98	mg/L
	Thallium	0.0200	0.0198	99	mg/L
	Vanadium	0.0200	0.0213	106	mg/L
	Zinc	0.0200	0.0215	107	mg/L

* Values outside of QC limits

: 00478

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A25056

SDG: PM011810

Project: Plainwell Mill

Instrument ID: 201

Calibration: 0A26003

Lab Sample ID	Analyte	True	Found	%R	Units
0A25056-IFA1	Beryllium	0.00	0.00000600		mg/L
0A25056-IFB1	Beryllium	0.0200	0.0185	93	mg/L

* Values outside of QC limits

: 00479

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A26011

SDG: PM011810

Project: Plainwell Mill

Instrument ID: 201

Calibration: 0A26004

Lab Sample ID	Analyte	True	Found	%R	Units
0A26011-IFB1	Beryllium	0.0200	0.0198	99	mg/L
0A26011-IFA1	Beryllium	0.00	0.00000700		mg/L

* Values outside of QC limits

: 00480

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A27021

SDG: PM011810

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0A27009

Lab Sample ID	Analyte	True	Found	%R	Units
0A27021-IFA1	Antimony	0.00	0.0342		ug/L
	Antimony	0.00	0.0342		ug/L
	Arsenic	0.00	0.000348		ug/L
	Arsenic	0.00	0.000348		ug/L
	Cadmium	0.00	0.0242		ug/L
	Cadmium	0.00	0.0242		ug/L
	Chromium	0.00	0.0720		ug/L
	Chromium	0.00	0.0720		ug/L
	Cobalt	0.00	0.00777		ug/L
	Cobalt	0.00	0.00777		ug/L
	Copper	0.00	0.288		ug/L
	Copper	0.00	0.288		ug/L
	Lead	0.00	0.0121		ug/L
	Lead	0.00	0.0121		ug/L
	Selenium	0.00	0.175		ug/L
	Selenium	0.00	0.175		ug/L
	Silver	0.00	0.0296		ug/L
	Silver	0.00	0.0296		ug/L
	Thallium	0.00	0.00464		ug/L
	Thallium	0.00	0.00464		ug/L
	Vanadium	0.00	-0.0526		ug/L
	Vanadium	0.00	-0.0526		ug/L
	Zinc	0.00	1.67		ug/L
0A27021-IFB1	Antimony	20.0	19.6	98	ug/L
	Antimony	20.0	19.6	98	ug/L
	Arsenic	20.0	19.4	97	ug/L
	Arsenic	20.0	19.4	97	ug/L
	Cadmium	20.0	22.1	110	ug/L
	Cadmium	20.0	22.1	110	ug/L

: 00481

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A27021

SDG: PM011810

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0A27009

Lab Sample ID	Analyte	True	Found	%R	Units
0A27021-IFB1	Chromium	20.0	18.2	91	ug/L
	Chromium	20.0	18.2	91	ug/L
	Cobalt	20.0	19.2	96	ug/L
	Cobalt	20.0	19.2	96	ug/L
	Copper	20.0	18.3	91	ug/L
	Copper	20.0	18.3	91	ug/L
	Lead	20.0	19.4	97	ug/L
	Lead	20.0	19.4	97	ug/L
	Selenium	20.0	18.7	94	ug/L
	Selenium	20.0	18.7	94	ug/L
	Silver	20.0	21.0	105	ug/L
	Silver	20.0	21.0	105	ug/L
	Thallium	20.0	20.5	102	ug/L
	Thallium	20.0	20.5	102	ug/L
	Vanadium	20.0	18.5	92	ug/L
	Vanadium	20.0	18.5	92	ug/L
	Zinc	20.0	20.9	105	ug/L

* Values outside of QC limits

: 00482

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A27039

SDG: PM011810

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0A27010

Lab Sample ID	Analyte	True	Found	%R	Units
0A27039-IFA1	Beryllium	0.00	0.00227		ug/L
	Beryllium	0.00	0.00227		ug/L
0A27039-IFB1	Beryllium	20.0	20.4	102	ug/L
	Beryllium	20.0	20.4	102	ug/L

* Values outside of QC limits

: 00483

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A28009

SDG: PM011810

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0A28008

Lab Sample ID	Analyte	True	Found	%R	Units
0A28009-IFA1	Arsenic	0.00	0.0000290		mg/L
	Beryllium	0.00	0.00		mg/L
	Cadmium	0.00	0.000392		mg/L
	Chromium	0.00	0.000171		mg/L
	Cobalt	0.00	0.0000100		mg/L
	Copper	0.00	0.000315		mg/L
	Lead	0.00	0.0000160		mg/L
	Selenium	0.00	0.0000170		mg/L
	Silver	0.00	0.0000320		mg/L
	Thallium	0.00	0.0000100		mg/L
	Vanadium	0.00	-0.0000370		mg/L
	Zinc	0.00	0.00190		mg/L
0A28009-IFB1	Arsenic	0.0200	0.0199	100	mg/L
	Beryllium	0.0200	0.0199	99	mg/L
	Cadmium	0.0200	0.0204	102	mg/L
	Chromium	0.0200	0.0190	95	mg/L
	Cobalt	0.0200	0.0191	96	mg/L
	Copper	0.0200	0.0192	96	mg/L
	Lead	0.0200	0.0198	99	mg/L
	Selenium	0.0200	0.0190	95	mg/L
	Silver	0.0200	0.0195	97	mg/L
	Thallium	0.0200	0.0201	100	mg/L
	Vanadium	0.0200	0.0187	93	mg/L
	Zinc	0.0200	0.0207	104	mg/L

* Values outside of QC limits

: 00484

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A29004

SDG: PM011810

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0A29003

Lab Sample ID	Analyte	True	Found	%R	Units
0A29004-IFA1	Zinc	0.00	1.66		ug/L
0A29004-IFB1	Zinc	20.0	21.6	108	ug/L

* Values outside of QC limits

00485

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A29012

SDG: PM011810

Project: Plainwell Mill

Instrument ID: 201

Calibration: 0A29013

Lab Sample ID	Analyte	True	Found	%R	Units
0A29012-IFA1	Antimony	0.00	0.0000260		mg/L
0A29012-IFB1	Antimony	0.0200	0.0199	100	mg/L

* Values outside of QC limits

: 00486

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000571
QC Batch Matrix: Water
Preparation: 3020A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000571-BLK1	01/22/10 07:00	
Blank	1000571-BLK2	01/22/10 07:00	
LCS	1000571-BS1	01/22/10 07:00	
LCS	1000571-BS2	01/22/10 07:00	
S-VAS-56394-DR-011810-1018	1001254-01	01/22/10 07:00	

00487

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000574
QC Batch Matrix: Water
Preparation: General Metals Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000574-BLK1	01/22/10 07:00	
Blank	1000574-BLK2	01/22/10 07:00	
LCS	1000574-BS1	01/22/10 07:00	
LCS	1000574-BS2	01/22/10 07:00	
S-VAS-56394-DR-011810-1018	1001254-02	01/22/10 07:00	

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000579
QC Batch Matrix: Soil
Preparation: 3050B Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000579-BLK1	01/22/10 07:00	
Blank	1000579-BLK2	01/22/10 07:00	
LCS	1000579-BS1	01/22/10 07:00	
LCS	1000579-BS2	01/22/10 07:00	
S-SO-56394-CB-011910-081	1000579-MS1	01/22/10 07:00	
S-SO-56394-CB-011910-081	1000579-MS2	01/22/10 07:00	
S-SO-56394-CB-011910-081	1000579-MSD1	01/22/10 07:00	
S-SO-56394-CB-011910-081	1000579-MSD2	01/22/10 07:00	
S-SO-56394-CB-011910-081	1000579-PS1	01/25/10 10:30	[Spk] 0.5035g->250mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-011910-081	1000579-PS2	01/25/10 10:30	[Spk] 0.5035g->250mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-011810-062	1001254-03	01/22/10 07:00	
S-SO-56394-CB-011810-072	1001254-04	01/22/10 07:00	
S-SO-56394-CB-011810-057	1001254-05	01/22/10 07:00	
S-SO-56394-DR-011910-1024	1001254-06	01/22/10 07:00	
S-SO-56394-CB-011910-077	1001254-07	01/22/10 07:00	
SD-SO-56394-CB-011910-077	1001254-08	01/22/10 07:00	
S-SO-56394-CB-011910-081	1001254-09	01/22/10 07:00	
S-SO-56394-CB-011910-086	1001254-10	01/22/10 07:00	

: 00489

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000587
QC Batch Matrix: Soil
Preparation: 3050B Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000587-BLK1	01/22/10 09:30	
LCS	1000587-BS1	01/22/10 09:30	
S-SO-56394-CB-011910-081	1000587-MS1	01/22/10 09:30	
S-SO-56394-CB-011910-081	1000587-MSD1	01/22/10 09:30	
S-SO-56394-CB-011910-081	1000587-PS1	01/29/10 10:45	[Spk] 0.5072g->250mL; 5mL->5mL; Spiked 5mL
S-SO-56394-CB-011810-062	1001254-03	01/22/10 09:30	
S-SO-56394-CB-011810-072	1001254-04	01/22/10 09:30	
S-SO-56394-CB-011810-057	1001254-05	01/22/10 09:30	
S-SO-56394-DR-011910-1024	1001254-06	01/22/10 09:30	
S-SO-56394-CB-011910-077	1001254-07	01/22/10 09:30	
SD-SO-56394-CB-011910-077	1001254-08	01/22/10 09:30	
S-SO-56394-CB-011910-081	1001254-09	01/22/10 09:30	
S-SO-56394-CB-011910-086	1001254-10	01/22/10 09:30	

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000598 QC Batch Matrix: Soil Preparation: 3050B Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000598-BLK1	01/25/10 07:00	
LCS	1000598-BS1	01/25/10 07:00	
S-SO-56394-DR-012110-1045	1000598-MS1	01/25/10 07:00	
S-SO-56394-DR-012110-1045	1000598-MSD1	01/25/10 07:00	
S-SO-56394-DR-012110-1045	1000598-PS1	01/28/10 08:00	[Spk] 0.5206g->250mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-011910-090	1001286-01	01/25/10 07:00	
S-SO-56394-CB-012010-094	1001286-02	01/25/10 07:00	
S-SO-56394-CB-012010-099	1001286-03	01/25/10 07:00	
S-SO-56394-DR-012010-1031	1001286-04	01/25/10 07:00	
S-SO-56394-DR-012010-1035	1001286-05	01/25/10 07:00	
S-SO-56394-DR-012010-1038	1001286-06	01/25/10 07:00	
S-SO-56394-DR-012110-1045	1001286-07	01/25/10 07:00	
S-SO-56394-DR-012110-1049	1001286-08	01/25/10 07:00	
SD-SO-56394-DR-012110-1049	1001286-09	01/25/10 07:00	
S-SO-56394-DR-012110-1050	1001286-10	01/25/10 07:00	
S-SO-56394-CB-012010-105	1001286-11	01/25/10 07:00	
S-SO-56394-CB-012110-107	1001286-12	01/25/10 07:00	
S-SO-56394-CB-012110-109	1001286-13	01/25/10 07:00	
S-SO-56394-CB-012110-114	1001286-14	01/25/10 07:00	
S-SO-56394-CB-012110-116	1001286-15	01/25/10 07:00	
S-SO-56394-CB-012110-118	1001286-16	01/25/10 07:00	

00491

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000664
QC Batch Matrix: Soil
Preparation: 3050B Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000664-BLK1	01/25/10 11:30	
LCS	1000664-BS1	01/25/10 11:30	
S-SO-56394-DR-012110-1045	1000664-MS1	01/25/10 11:30	
S-SO-56394-DR-012110-1045	1000664-MSD1	01/25/10 11:30	
S-SO-56394-DR-012110-1045	1000664-PS1	01/29/10 10:45	[Spk] 0.5129g->250mL; 5mL->5mL; Spiked 5mL
S-SO-56394-CB-011910-090	1001286-01	01/25/10 11:30	
S-SO-56394-CB-012010-094	1001286-02	01/25/10 11:30	
S-SO-56394-CB-012010-099	1001286-03	01/25/10 11:30	
S-SO-56394-DR-012010-1031	1001286-04	01/25/10 11:30	
S-SO-56394-DR-012010-1035	1001286-05	01/25/10 11:30	
S-SO-56394-DR-012010-1038	1001286-06	01/25/10 11:30	
S-SO-56394-DR-012110-1045	1001286-07	01/25/10 11:30	
S-SO-56394-DR-012110-1049	1001286-08	01/25/10 11:30	
SD-SO-56394-DR-012110-1049	1001286-09	01/25/10 11:30	
S-SO-56394-DR-012110-1050	1001286-10	01/25/10 11:30	
S-SO-56394-CB-012010-105	1001286-11	01/25/10 11:30	
S-SO-56394-CB-012110-107	1001286-12	01/25/10 11:30	
S-SO-56394-CB-012110-109	1001286-13	01/25/10 11:30	
S-SO-56394-CB-012110-114	1001286-14	01/25/10 11:30	
S-SO-56394-CB-012110-116	1001286-15	01/25/10 11:30	
S-SO-56394-CB-012110-118	1001286-16	01/25/10 11:30	

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000730
QC Batch Matrix: Water
Preparation: 3020A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000730-BLK1	01/28/10 07:00	
LCS	1000730-BS1	01/28/10 07:00	
S-VAS-56394-DR-011810-1018	1001254-01	01/28/10 07:00	From 1000571 by MAS on Jan-27-10

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000571-BLK1
File ID: 0a27021-020
Prepared: 01/22/10 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 01/27/10 11:15
Instrument: 114
QC Batch: 1000571
Sequence: 0A27021
Calibration: 0A27009

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-36-0	Antimony, Total	0.36	1.0	1.0	ug/L	U
7440-38-2	Arsenic, Total	0.38	1.0	1.0	ug/L	U
7440-43-9	Cadmium, Total	0.055	0.20	0.20	ug/L	U
7440-47-3	Chromium, Total	0.46	5.0	5.0	ug/L	U
7440-48-4	Cobalt, Total	0.042	1.0	1.0	ug/L	U
7440-50-8	Copper, Total	0.71	2.0	2.0	ug/L	U
7439-92-1	Lead, Total	0.22	1.0	1.0	ug/L	U
7782-49-2	Selenium, Total	0.82	2.0	2.0	ug/L	U
7440-22-4	Silver, Total	0.061	0.20	0.20	ug/L	U
7440-28-0	Thallium, Total	0.056	1.0	1.0	ug/L	U
7440-62-2	Vanadium, Total	0.28	1.0	1.0	ug/L	U

: 00494

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000571-BLK2
File ID: 0a27039-018
Prepared: 01/22/10 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 01/27/10 12:57
Instrument: 114
QC Batch: 1000571
Sequence: 0A27039
Calibration: 0A27010

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-41-7	Beryllium, Total	0.30	1.0	1.0	ug/L	U

: 00495

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000574-BLK1
File ID: 0a27021-017
Prepared: 01/22/10 07:00
Preparation: General Metals Prep
Initial/Final: 25 mL / 125 mL
Analyzed: 01/27/10 10:59
Instrument: 114
QC Batch: 1000574
Sequence: 0A27021
Calibration: 0A27009

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-36-0	Antimony, Dissolved	0.36	1.0	1.0	ug/L	U
7440-38-2	Arsenic, Dissolved	0.38	1.0	1.0	ug/L	U
7440-43-9	Cadmium, Dissolved	0.055	0.20	0.20	ug/L	U
7440-47-3	Chromium, Dissolved	0.46	5.0	5.0	ug/L	U
7440-48-4	Cobalt, Dissolved	0.042	1.0	1.0	ug/L	U
7440-50-8	Copper, Dissolved	0.71	2.0	2.0	ug/L	U
7439-92-1	Lead, Dissolved	0.22	1.0	1.0	ug/L	U
7782-49-2	Selenium, Dissolved	0.82	2.0	2.0	ug/L	U
7440-22-4	Silver, Dissolved	0.061	0.20	0.20	ug/L	U
7440-28-0	Thallium, Dissolved	0.056	1.0	1.0	ug/L	U
7440-62-2	Vanadium, Dissolved	0.28	1.0	1.0	ug/L	U
7440-66-6	Zinc, Dissolved	2.9	50	7.2	ug/L	J

00496

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000574-BLK2
File ID: 0a27039-015
Prepared: 01/22/10 07:00
Preparation: General Metals Prep
Initial/Final: 25 mL / 125 mL
Analyzed: 01/27/10 12:51
Instrument: 114
QC Batch: 1000574
Sequence: 0A27039
Calibration: 0A27010

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-41-7	Beryllium, Dissolved	0.30	1.0	1.0	ug/L	U

: 00497

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000579-BLK1
File ID: 0a25028-037
Prepared: 01/22/10 07:00
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
Analyzed: 01/25/10 12:29
Instrument: 201
QC Batch: 1000579
Sequence: 0A25028
Calibration: 0A25012

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-38-2	Arsenic, Total	0.030	0.10	0.10	mg/kg dry wt.	U
7440-43-9	Cadmium, Total	0.0053	0.050	0.050	mg/kg dry wt.	U
7440-47-3	Chromium, Total	0.045	0.20	0.12	mg/kg dry wt.	J
7440-48-4	Cobalt, Total	0.017	0.10	0.10	mg/kg dry wt.	U
7440-50-8	Copper, Total	0.043	0.10	0.10	mg/kg dry wt.	U
7439-92-1	Lead, Total	0.049	0.10	0.10	mg/kg dry wt.	U
7782-49-2	Selenium, Total	0.049	0.20	0.20	mg/kg dry wt.	U
7440-22-4	Silver, Total	0.011	0.050	0.050	mg/kg dry wt.	U
7440-28-0	Thallium, Total	0.0061	0.050	0.050	mg/kg dry wt.	U
7440-62-2	Vanadium, Total	0.032	0.10	0.042	mg/kg dry wt.	J
7440-66-6	Zinc, Total	0.44	1.0	1.0	mg/kg dry wt.	U

00498

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000579-BLK2
File ID: 0a25056-024
Prepared: 01/22/10 07:00
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
Analyzed: 01/25/10 15:46
Instrument: 201
QC Batch: 1000579
Sequence: 0A25056
Calibration: 0A26003

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-41-7	Beryllium, Total	0.031	0.10	0.10	mg/kg dry wt.	U

00499

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000587-BLK1
File ID: 0a29012-015
Prepared: 01/22/10 09:30
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
Analyzed: 01/29/10 11:19
Instrument: 201
QC Batch: 1000587
Sequence: 0A29012
Calibration: 0A29013

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-36-0	Antimony, Total	0.045	0.10	0.10	mg/kg dry wt.	U

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000598-BLK1
File ID: 0a28009-017
Prepared: 01/25/10 07:00
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
Analyzed: 01/28/10 09:31
Instrument: 114
QC Batch: 1000598
Sequence: 0A28009
Calibration: 0A28008

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-38-2	Arsenic, Total	0.039	0.10	0.10	mg/kg dry wt.	U
7440-41-7	Beryllium, Total	0.031	0.10	0.10	mg/kg dry wt.	U
7440-43-9	Cadmium, Total	0.0076	0.050	0.050	mg/kg dry wt.	U
7440-47-3	Chromium, Total	0.057	0.20	0.089	mg/kg dry wt.	J
7440-48-4	Cobalt, Total	0.0080	0.10	0.10	mg/kg dry wt.	U
7440-50-8	Copper, Total	0.078	0.10	0.52	mg/kg dry wt.	
7439-92-1	Lead, Total	0.054	0.10	0.10	mg/kg dry wt.	U
7782-49-2	Selenium, Total	0.088	0.20	0.20	mg/kg dry wt.	U
7440-22-4	Silver, Total	0.011	0.050	0.050	mg/kg dry wt.	U
7440-28-0	Thallium, Total	0.016	0.050	0.050	mg/kg dry wt.	U
7440-62-2	Vanadium, Total	0.040	0.10	0.10	mg/kg dry wt.	U
7440-66-6	Zinc, Total	0.46	1.0	1.0	mg/kg dry wt.	U

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000664-BLK1
File ID: 0a29012-031
Prepared: 01/25/10 11:30
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
Analyzed: 01/29/10 11:56
Instrument: 201
QC Batch: 1000664
Sequence: 0A29012
Calibration: 0A29013

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-36-0	Antimony, Total	0.045	0.10	0.10	mg/kg dry wt.	U

: 00502

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000730-BLK1
File ID: 0a29004-015
Prepared: 01/28/10 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 01/29/10 08:54
Instrument: 114
QC Batch: 1000730
Sequence: 0A29004
Calibration: 0A29003

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-66-6	Zinc, Total	2.9	50	50	ug/L	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5076 g / 250 mL

Laboratory ID: 1000579-MS1

QC Batch: 1000579

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Arsenic, Total	19.7	1.62	19.5	91	75 - 125	mg/kg dry wt.
Cadmium, Total	19.7	0.0204	19.0	96	75 - 125	mg/kg dry wt.
Chromium, Total	19.7	8.52	29.4	106	75 - 125	mg/kg dry wt.
Cobalt, Total	19.7	1.22	21.3	102	75 - 125	mg/kg dry wt.
Copper, Total	19.7	7.73	27.2	99	75 - 125	mg/kg dry wt.
Lead, Total	19.7	10.1	28.5	93	75 - 125	mg/kg dry wt.
Selenium, Total	19.7	0.0531	16.9	86	75 - 125	mg/kg dry wt.
Silver, Total	19.7	0.0209	18.9	96	75 - 125	mg/kg dry wt.
Thallium, Total	19.7	0.0531	19.3	98	75 - 125	mg/kg dry wt.
Vanadium, Total	19.7	12.1	33.1	107	75 - 125	mg/kg dry wt.
Zinc, Total	19.7	13.4	33.6	103	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

: 00504

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011910-081

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5022 g / 250 mL

Laboratory ID: 1000579-MSD1

QC Batch: 1000579

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Arsenic, Total	19.9	20.0	92	3	20	75 - 125	mg/kg dry wt.
Cadmium, Total	19.9	18.9	95	0.4	20	75 - 125	mg/kg dry wt.
Chromium, Total	19.9	30.0	108	2	20	75 - 125	mg/kg dry wt.
Cobalt, Total	19.9	21.6	102	1	20	75 - 125	mg/kg dry wt.
Copper, Total	19.9	26.7	96	2	20	75 - 125	mg/kg dry wt.
Lead, Total	19.9	28.5	92	0.09	20	75 - 125	mg/kg dry wt.
Selenium, Total	19.9	17.4	87	3	20	75 - 125	mg/kg dry wt.
Silver, Total	19.9	19.1	96	1	20	75 - 125	mg/kg dry wt.
Thallium, Total	19.9	19.2	96	0.4	20	75 - 125	mg/kg dry wt.
Vanadium, Total	19.9	34.3	111	4	20	75 - 125	mg/kg dry wt.
Zinc, Total	19.9	33.0	99	2	20	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5076 g / 250 mL

Laboratory ID: 1000579-MS2

QC Batch: 1000579

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Beryllium, Total	19.7	0.119	18.5	93	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

: 00506

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5022 g / 250 mL

Laboratory ID: 1000579-MSD2

QC Batch: 1000579

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Beryllium, Total	19.9	18.9	94	2	20	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

: 00507

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5024 g / 250 mL

Laboratory ID: 1000587-MS1

QC Batch: 1000587

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Antimony, Total	19.9	0.292	19.1	95	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

: 00508

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011910-081

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5071 g / 250 mL

Laboratory ID: 1000587-MSD1

QC Batch: 1000587

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Antimony, Total	19.7	19.3	96	1	20	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

00509

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012110-1045

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5022 g / 250 mL

Laboratory ID: 1000598-MS1

QC Batch: 1000598

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Arsenic, Total	19.9	8.42	26.4	90	75 - 125	mg/kg dry wt.
Beryllium, Total	19.9	0.222	18.2	90	75 - 125	mg/kg dry wt.
Cadmium, Total	19.9	0.101	19.9	100	75 - 125	mg/kg dry wt.
Chromium, Total	19.9	11.0	28.8	89	75 - 125	mg/kg dry wt.
Cobalt, Total	19.9	6.71	24.6	90	75 - 125	mg/kg dry wt.
Copper, Total	19.9	14.1	31.5	87	75 - 125	mg/kg dry wt.
Lead, Total	19.9	6.28	26.0	99	75 - 125	mg/kg dry wt.
Selenium, Total	19.9	0.183	17.6	87	75 - 125	mg/kg dry wt.
Silver, Total	19.9	0.0485	18.9	95	75 - 125	mg/kg dry wt.
Thallium, Total	19.9	0.166	20.3	101	75 - 125	mg/kg dry wt.
Vanadium, Total	19.9	15.8	33.7	90	75 - 125	mg/kg dry wt.
Zinc, Total	19.9	30.3	44.7	72 *	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

: 00510

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012110-1045

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5043 g / 250 mL

Laboratory ID: 1000598-MSD1

QC Batch: 1000598

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Arsenic, Total	19.8	26.3	90	0.2	20	75 - 125	mg/kg dry wt.
Beryllium, Total	19.8	19.0	95	4	20	75 - 125	mg/kg dry wt.
Cadmium, Total	19.8	20.2	101	1	20	75 - 125	mg/kg dry wt.
Chromium, Total	19.8	31.3	102	8	20	75 - 125	mg/kg dry wt.
Cobalt, Total	19.8	25.1	93	2	20	75 - 125	mg/kg dry wt.
Copper, Total	19.8	30.8	84	2	20	75 - 125	mg/kg dry wt.
Lead, Total	19.8	26.2	100	0.8	20	75 - 125	mg/kg dry wt.
Selenium, Total	19.8	17.8	89	2	20	75 - 125	mg/kg dry wt.
Silver, Total	19.8	19.4	97	2	20	75 - 125	mg/kg dry wt.
Thallium, Total	19.8	20.7	103	2	20	75 - 125	mg/kg dry wt.
Vanadium, Total	19.8	37.9	111	12	20	75 - 125	mg/kg dry wt.
Zinc, Total	19.8	47.7	88	7	20	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

: 00511

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012110-1045

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5197 g / 250 mL

Laboratory ID: 1000664-MS1

QC Batch: 1000664

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Antimony, Total	19.2	0.194	18.7	96	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

00512

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012110-1045

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5142 g / 250 mL

Laboratory ID: 1000664-MSD1

QC Batch: 1000664

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Antimony, Total	19.4	19.0	97	2	20	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

00513

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 92.31
Laboratory ID: 1000579-PS1
Lab Source ID: 1001254-09

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.02014 g / 10 mL
QC Batch: 1000579
Sequence: 0A25028

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Arsenic, Total	80 - 120	0.0218	0.00326	0.0200	93	mg/L
Cadmium, Total	80 - 120	0.0185	0.0000410	0.0200	92	mg/L
Chromium, Total	80 - 120	0.0377	0.0172	0.0200	103	mg/L
Cobalt, Total	80 - 120	0.0219	0.00245	0.0200	97	mg/L
Copper, Total	80 - 120	0.0341	0.0156	0.0200	93	mg/L
Lead, Total	80 - 120	0.0380	0.0204	0.0200	88	mg/L
Selenium, Total	80 - 120	0.0178	0.000107	0.0200	89	mg/L
Silver, Total	80 - 120	0.0192	0.0000420	0.0200	96	mg/L
Thallium, Total	80 - 120	0.0187	0.000107	0.0200	93	mg/L
Vanadium, Total	80 - 120	0.0455	0.0243	0.0200	106	mg/L
Zinc, Total	80 - 120	0.0447	0.0269	0.0200	89	mg/L

* Values outside of QC limits

00514

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 92.31
Laboratory ID: 1000579-PS2
Lab Source ID: 1001254-09

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.02014 g / 10 mL
QC Batch: 1000579
Sequence: 0A26011

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Beryllium, Total	80 - 120	0.0188	0.000239	0.0200	93	mg/L

* Values outside of QC limits

00515

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Preparation: 3050B Digestion
% Solids: 92.31
Initial/Final: 0.010144 g / 5 mL
Laboratory ID: 1000587-PS1
QC Batch: 1000587
Lab Source ID: 1001254-09
Sequence: 0A29012

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Antimony, Total	80 - 120	0.0195	0.000592	0.0200	95	mg/L

* Values outside of QC limits

: 00516

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 93.43
Laboratory ID: 1000598-PS1
Lab Source ID: 1001286-07

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.020824 g / 10 mL
QC Batch: 1000598
Sequence: 0A28009

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Arsenic, Total	80 - 120	0.0361	0.0175	0.0200	93	mg/L
Beryllium, Total	80 - 120	0.0185	0.000463	0.0200	90	mg/L
Cadmium, Total	80 - 120	0.0198	0.000210	0.0200	98	mg/L
Chromium, Total	80 - 120	0.0420	0.0230	0.0200	95	mg/L
Cobalt, Total	80 - 120	0.0326	0.0140	0.0200	93	mg/L
Copper, Total	80 - 120	0.0470	0.0293	0.0200	88	mg/L
Lead, Total	80 - 120	0.0325	0.0131	0.0200	97	mg/L
Selenium, Total	80 - 120	0.0178	0.000382	0.0200	87	mg/L
Silver, Total	80 - 120	0.0193	0.000101	0.0200	96	mg/L
Thallium, Total	80 - 120	0.0208	0.000346	0.0200	102	mg/L
Vanadium, Total	80 - 120	0.0522	0.0330	0.0200	96	mg/L
Zinc, Total	80 - 120	0.0807	0.0631	0.0200	88	mg/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Preparation: 3050B Digestion
% Solids: 93.43
Initial/Final: 0.010258 g / 5 mL
Laboratory ID: 1000664-PS1
QC Batch: 1000664
Lab Source ID: 1001286-07
Sequence: 0A29012

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Antimony, Total	80 - 120	0.0202	0.000399	0.0200	99	mg/L

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

Laboratory ID: 1000571-BS1

SDG: PM011810

Project: Plainwell Mill

Preparation: 3020A Digestion

Initial/Final: 25 mL / 125 mL

QC Batch: 1000571

Sequence: 0A27021

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Antimony, Total	50.0	47.0	94	80 - 120	ug/L
Arsenic, Total	50.0	46.9	94	80 - 120	ug/L
Cadmium, Total	50.0	51.9	104	80 - 120	ug/L
Chromium, Total	50.0	51.5	103	80 - 120	ug/L
Cobalt, Total	50.0	52.1	104	80 - 120	ug/L
Copper, Total	50.0	48.3	97	80 - 120	ug/L
Lead, Total	50.0	52.6	105	80 - 120	ug/L
Selenium, Total	50.0	47.9	96	80 - 120	ug/L
Silver, Total	50.0	51.6	103	80 - 120	ug/L
Thallium, Total	50.0	52.5	105	80 - 120	ug/L
Vanadium, Total	50.0	49.0	98	80 - 120	ug/L

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

* Values outside of QC limits

: 00519

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

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

Laboratory ID: 1000571-BS2

SDG: PM011810
Project: Plainwell Mill
Preparation: 3020A Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1000571
Sequence: 0A27039

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Beryllium, Total	50.0	52.2	104	80 - 120	ug/L

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

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

Laboratory ID: 1000574-BS1

SDG: PM011810

Project: Plainwell Mill

Preparation: General Metals Prep

Initial/Final: 25 mL / 125 mL

QC Batch: 1000574

Sequence: 0A27021

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Antimony, Dissolved	50.0	47.6	95	80 - 120	ug/L
Arsenic, Dissolved	50.0	49.7	99	80 - 120	ug/L
Cadmium, Dissolved	50.0	50.1	100	80 - 120	ug/L
Chromium, Dissolved	50.0	52.5	105	80 - 120	ug/L
Cobalt, Dissolved	50.0	52.4	105	80 - 120	ug/L
Copper, Dissolved	50.0	51.0	102	80 - 120	ug/L
Lead, Dissolved	50.0	54.4	109	80 - 120	ug/L
Selenium, Dissolved	50.0	48.8	98	80 - 120	ug/L
Silver, Dissolved	50.0	50.1	100	80 - 120	ug/L
Thallium, Dissolved	50.0	53.7	107	80 - 120	ug/L
Vanadium, Dissolved	50.0	49.4	99	80 - 120	ug/L
Zinc, Dissolved	50.0	52.6	105	80 - 120	ug/L

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

* Values outside of QC limits

: 00521

LCS / LCS DUPLICATE RECOVERY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

Laboratory ID: 1000574-BS2

SDG: PM011810

Project: Plainwell Mill

Preparation: General Metals Prep

Initial/Final: 25 mL / 125 mL

QC Batch: 1000574

Sequence: 0A27039

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Beryllium, Dissolved	50.0	52.2	104	80 - 120	ug/L

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

* Values outside of QC limits

00522

LCS / LCS DUPLICATE RECOVERY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

Laboratory ID: 1000579-BS1

SDG: PM011810

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5 g / 250 mL

QC Batch: 1000579

Sequence: 0A25028

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Arsenic, Total	20.0	18.7	93	80 - 120	mg/kg dry wt.
Cadmium, Total	20.0	18.9	95	80 - 120	mg/kg dry wt.
Chromium, Total	20.0	18.6	93	80 - 120	mg/kg dry wt.
Cobalt, Total	20.0	18.7	93	80 - 120	mg/kg dry wt.
Copper, Total	20.0	18.5	93	80 - 120	mg/kg dry wt.
Lead, Total	20.0	19.1	96	80 - 120	mg/kg dry wt.
Selenium, Total	20.0	17.7	89	80 - 120	mg/kg dry wt.
Silver, Total	20.0	19.3	96	80 - 120	mg/kg dry wt.
Thallium, Total	20.0	19.2	96	80 - 120	mg/kg dry wt.
Vanadium, Total	20.0	18.5	92	80 - 120	mg/kg dry wt.
Zinc, Total	20.0	17.6	88	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

00523

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
Laboratory ID: 1000579-BS2
QC Batch: 1000579
Sequence: 0A25056

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Beryllium, Total	20.0	18.5	93	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

: 00524

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

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

Laboratory ID: 1000587-BS1

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
QC Batch: 1000587
Sequence: 0A29012

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Antimony, Total	20.0	19.0	95	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

: 00525

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

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

Laboratory ID: 1000598-BS1

SDG: PM011810
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
QC Batch: 1000598
Sequence: 0A28009

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Arsenic, Total	20.0	19.0	95	80 - 120	mg/kg dry wt.
Beryllium, Total	20.0	19.1	96	80 - 120	mg/kg dry wt.
Cadmium, Total	20.0	18.8	94	80 - 120	mg/kg dry wt.
Chromium, Total	20.0	19.8	99	80 - 120	mg/kg dry wt.
Cobalt, Total	20.0	19.4	97	80 - 120	mg/kg dry wt.
Copper, Total	20.0	19.7	98	80 - 120	mg/kg dry wt.
Lead, Total	20.0	19.8	99	80 - 120	mg/kg dry wt.
Selenium, Total	20.0	18.4	92	80 - 120	mg/kg dry wt.
Silver, Total	20.0	19.6	98	80 - 120	mg/kg dry wt.
Thallium, Total	20.0	19.8	99	80 - 120	mg/kg dry wt.
Vanadium, Total	20.0	19.2	96	80 - 120	mg/kg dry wt.
Zinc, Total	20.0	18.3	92	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
Laboratory ID: 1000664-BS1
QC Batch: 1000664
Sequence: 0A29012

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Antimony, Total	20.0	19.0	95	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

: 00527

LCS / LCS DUPLICATE RECOVERY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

Laboratory ID: 1000730-BS1

SDG: PM011810

Project: Plainwell Mill

Preparation: 3020A Digestion

Initial/Final: 25 mL / 125 mL

QC Batch: 1000730

Sequence: 0A29004

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Zinc, Total	50.0	54.3	109	80 - 120	ug/L

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

* Values outside of QC limits

: 00528

SERIAL DILUTION
USEPA-6020A

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 92.31
Laboratory ID: 0A25028-SRD2
QC Batch: 0A25028
Lab Source ID: 1001254-09
Sequence: 0A25028

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Arsenic, Total	0.00326		0.00351		8.0 #		mg/L	10
Cadmium, Total	0.0000410	J	0.0000950	J	132.0 #		mg/L	10
Chromium, Total	0.0172		0.0176		2.0		mg/L	10
Cobalt, Total	0.00245		0.00254		4.0		mg/L	10
Copper, Total	0.0156		0.0158		1.0 #		mg/L	10
Lead, Total	0.0204		0.0203		0.0		mg/L	10
Selenium, Total	0.000107	U	0.000105	U	2.0 #		mg/L	10
Silver, Total	0.0000420	J	0.000185	J	340.0 #		mg/L	10
Thallium, Total	0.000107		0.000160	J	50.0 #		mg/L	10
Vanadium, Total	0.0243		0.0250		3.0		mg/L	10
Zinc, Total	0.0269		0.0281		4.0 #		mg/L	10

* Values outside of QC limits

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

SERIAL DILUTION
USEPA-6020A

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 92.31
Laboratory ID: 0A26011-SRD1
QC Batch: 0A26011
Lab Source ID: 1001254-09
Sequence: 0A26011

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Beryllium, Total	0.000239		0.000265	U	11.0 #		mg/L	10

* Values outside of QC limits

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

SERIAL DILUTION

USEPA-6020A

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

% Solids: 93.43

Laboratory ID: 0A28009-SRD1

QC Batch: 0A28009

Lab Source ID: 1001286-07

Sequence: 0A28009

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Arsenic, Total	0.0175		0.0185		6.0		mg/L	10
Beryllium, Total	0.000463		0.000505	J	9.0 #		mg/L	10
Cadmium, Total	0.000210		0.000230	J	10.0 #		mg/L	10
Chromium, Total	0.0230		0.0233		1.0		mg/L	10
Cobalt, Total	0.0140		0.0145		4.0		mg/L	10
Copper, Total	0.0293		0.0316		8.0		mg/L	10
Lead, Total	0.0131		0.0130		1.0		mg/L	10
Selenium, Total	0.000382	J	0.000180	U	53.0 #		mg/L	10
Silver, Total	0.000101		0.000230	J	128.0 #		mg/L	10
Thallium, Total	0.000346		0.000345	J	0.0 #		mg/L	10
Vanadium, Total	0.0330		0.0336		2.0		mg/L	10
Zinc, Total	0.0631		0.0702		11.0 #		mg/L	10

* Values outside of QC limits

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

: 00531

SERIAL DILUTION
USEPA-6020A

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 92.31
Laboratory ID: 0A29012-SRD1
QC Batch: 0A29012
Lab Source ID: 1001254-09
Sequence: 0A29012

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Antimony, Total	0.000592		0.000585	J	1.0 #		mg/L	10

* Values outside of QC limits

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

00532

SERIAL DILUTION

USEPA-6020A

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

% Solids: 93.43

Laboratory ID: 0A29012-SRD2

QC Batch: 0A29012

Lab Source ID: 1001286-07

Sequence: 0A29012

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Antimony, Total	0.000399		0.000375	U	6.0 #		mg/L	10

* Values outside of QC limits

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

: 00533

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Dissolved Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	

: 00534

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/22/10	4	NA	01/27/10	9	180	
S-VAS-56394-DR-011810-1018	01/18/10	01/19/10		01/28/10	10	NA	01/29/10	11	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/22/10	4	NA	01/29/10	11	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/22/10	4	NA	01/29/10	11	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/25/10	7	180	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/22/10	4	NA	01/29/10	11	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/22/10	3	NA	01/29/10	10	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/29/10	10	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	

: 00538

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/22/10	3	NA	01/29/10	10	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/26/10	7	180	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/22/10	3	NA	01/29/10	10	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	

00539

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/25/10	6	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/26/10	7	180	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/22/10	3	NA	01/29/10	10	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/28/10	9	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/28/10	9	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/28/10	9	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/28/10	9	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/28/10	9	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/28/10	9	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/28/10	9	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/28/10	9	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/28/10	9	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/28/10	9	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/28/10	9	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/28/10	9	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/29/10	10	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/29/10	9	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/29/10	9	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/29/10	9	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/29/10	9	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/29/10	9	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/29/10	8	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	

: 00544

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/29/10	8	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/29/10	8	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	

: 00545

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/29/10	8	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/28/10	8	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/29/10	9	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/29/10	8	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/29/10	8	180	

: 00547

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/29/10	8	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/29/10	8	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/28/10	7	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/29/10	8	180	

: 00549

Metals, Water, 3020A Digestion

Batch comments:

MAS 01/22/10 7:00AM-4;00PM
INST#217@93.9C#223
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	*Container*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*Client* Source ID	*Client* Spike ID	*Client* uL Spike	*Comments*
1000571-BLK1		Jan-22-10 07:00	MAS	25	125				
1000571-BLK2		Jan-22-10 07:00	MAS	25	125				
1000571-BS1		Jan-22-10 07:00	MAS	25	125		9120124	25	
1000571-BS2		Jan-22-10 07:00	MAS	25	125		9120124	25	
1001254-01	A	Jan-22-10 07:00	MAS	25	125	SulTRAC			

Ag Total 6020 *As Total 6020* *Be Total 6020* *Cd Total 6020* *Co Total 6020* *Cr Total 6020* *Cu Total 6020* *Pb Total 6020*
Sb Total 6020 *Se Total 6020* *Tl Total 6020* *V Total 6020*

Comments:	Analyst Initials:

Metals, Water, General Metals Prep

096551

Batch comments:

MAS 01/22/10 7:00AM-4:00PM
INST#217@93.9C#223
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	*Container*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*Client* Source ID	*Client* Spike ID	*Client* uL Spike	*Comments*
1000574-BLK1		Jan-22-10 07:00	MAS	25	125				
1000574-BLK2		Jan-22-10 07:00	MAS	25	125				
1000574-BS1		Jan-22-10 07:00	MAS	25	125		9120124	25	
1000574-BS2		Jan-22-10 07:00	MAS	25	125		9120124	25	
1001254-02	A	Jan-22-10 07:00	MAS	25	125	SulTRAC			

Ag Diss 6020	*As Diss 6020*	*Be Diss 6020*	*Cd Diss 6020*	*Co Diss 6020*	*Cr Diss 6020*	*Cu Diss 6020*	*Pb Diss 6020*
Sb Diss 6020	*Se Diss 6020*	*Tl Diss 6020*	*V Diss 6020*	*Zn Diss 6020*			

Comments:	Analyst Initials:

Metals, Soil, 3050B Digestion

2559

Batch comments:
MAS 01/22/10 7:00AM-4:00PM
INST#218@92.4C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1000579-BLK1		Jan-22-10 07:00	MAS	0.5	250				
1000579-BLK2		Jan-22-10 07:00	MAS	0.5	250				
1000579-BS1		Jan-22-10 07:00	MAS	0.5	250		9120029	100	
1000579-BS2		Jan-22-10 07:00	MAS	0.5	250		9120029	100	
1000579-MS1		Jan-22-10 07:00	MAS	0.5076	250	1001254-09	9120029	100	
1000579-MS2		Jan-22-10 07:00	MAS	0.5076	250	1001254-09	9120029	100	
1000579-MSD1		Jan-22-10 07:00	MAS	0.5022	250	1001254-09	9120029	100	
1000579-MSD2		Jan-22-10 07:00	MAS	0.5022	250	1001254-09	9120029	100	
1000579-PS1		Jan-25-10 10:30	MSM	0.02014	10	1001254-09	9120102	50	[Spk] 0.5035g->250mL; 10mL->10mL; Sp
1000579-PS2		Jan-25-10 10:30	MSM	0.02014	10	1001254-09	9120102	50	[Spk] 0.5035g->250mL; 10mL->10mL; Sp
1001254-03	A	Jan-22-10 07:00	MAS	0.5073	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*				
1001254-04	A	Jan-22-10 07:00	MAS	0.5215	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*				
1001254-05	A	Jan-22-10 07:00	MAS	0.5015	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*				
1001254-06	A	Jan-22-10 07:00	MAS	0.5058	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*				

Comments:

Analyst Initials:

Metals, Soil, 3050B Digestion

3050B

Batch comments:

MAS 01/22/10 7:00AM-4:00PM
INST#218@92.4C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments	
1001254-07	A	Jan-22-10 07:00	MAS	0.5478	250	SulTRAC				
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*
Zn Total 6020										
1001254-08	A	Jan-22-10 07:00	MAS	0.5021	250	SulTRAC				
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*
Zn Total 6020										
1001254-09	A	Jan-22-10 07:00	MAS	0.5035	250	SulTRAC				
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*
Zn Total 6020										
1001254-09RE1	A	Jan-22-10 07:00		0.5035	250	SulTRAC			Added for SequenceQC in: 0A25028	Added for SequenceQC in: 0A25028
Be Total 6020										
1001254-10	A	Jan-22-10 07:00	MAS	0.5076	250	SulTRAC				
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*
Zn Total 6020										

Comments:

Analyst Initials:

Metals, Soil, 3050B Digestion

Batch comments:
RDB 1-22-10 9:30AM-11:30AM
INST#218 @92.9C #222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1000587-BLK1		Jan-22-10 09:30	RDB	0.5	250				
1000587-BS1		Jan-22-10 09:30	RDB	0.5	250		9120029	100	
1000587-MS1		Jan-22-10 09:30	RDB	0.5024	250	1001254-09	9120029	100	
1000587-MSD1		Jan-22-10 09:30	RDB	0.5071	250	1001254-09	9120029	100	
1000587-PS1		Jan-29-10 10:45	MSM	).01014	5	1001254-09	9120103	25	[Spk] 0.5072g->250mL; 5mL->5mL; Spike
1001254-03	A	Jan-22-10 09:30	RDB	0.5047	250	SulTRAC			
Sb Total 6020									
1001254-04	A	Jan-22-10 09:30	RDB	0.5193	250	SulTRAC			
Sb Total 6020									
1001254-05	A	Jan-22-10 09:30	RDB	0.5125	250	SulTRAC			
Sb Total 6020									
1001254-06	A	Jan-22-10 09:30	RDB	0.5156	250	SulTRAC			
Sb Total 6020									
1001254-07	A	Jan-22-10 09:30	RDB	0.5304	250	SulTRAC			
Sb Total 6020									
1001254-08	A	Jan-22-10 09:30	RDB	0.5256	250	SulTRAC			
Sb Total 6020									
1001254-09	A	Jan-22-10 09:30	RDB	0.5072	250	SulTRAC			
Sb Total 6020									
1001254-10	A	Jan-22-10 09:30	RDB	0.5105	250	SulTRAC			
Sb Total 6020									

Comments:	Analyst Initials:

Metals, Soil, 3050B Digestion

Batch comments:
MAS 01/25/10 7:00AM-4:00PM
INST#218@92.9C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1000598-BLK1		Jan-25-10 07:00	MAS	0.5	250				
1000598-BS1		Jan-25-10 07:00	MAS	0.5	250		9120029	100	
1000598-MS1		Jan-25-10 07:00	MAS	0.5022	250	1001286-07	9120029	100	
1000598-MSD1		Jan-25-10 07:00	MAS	0.5043	250	1001286-07	9120029	100	
1000598-PS1		Jan-28-10 08:00	DSC	).02082	10	1001286-07	9120102	50	[Spk] 0.5206g->250mL; 10mL->10mL; Sp
1001286-01	A	Jan-25-10 07:00	MAS	0.538	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*
V Total 6020	*Zn Total 6020*								
1001286-02	A	Jan-25-10 07:00	MAS	0.5049	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*
V Total 6020	*Zn Total 6020*								
1001286-03	A	Jan-25-10 07:00	MAS	0.51	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*
V Total 6020	*Zn Total 6020*								
1001286-04	A	Jan-25-10 07:00	MAS	0.5008	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*
V Total 6020	*Zn Total 6020*								
1001286-05	A	Jan-25-10 07:00	MAS	0.5225	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*
V Total 6020	*Zn Total 6020*								
1001286-06	A	Jan-25-10 07:00	MAS	0.52	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*
V Total 6020	*Zn Total 6020*								

Comments:

Analyst Initials:

Metals, Soil, 3050B Digestion

Batch comments:
MAS 01/25/10 7:00AM-4:00PM
INST#218@92.9C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Spike ID	uL Spike	Comments
1001286-07	A	Jan-25-10 07:00	MAS	0.5206	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						
1001286-08	A	Jan-25-10 07:00	MAS	0.5061	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						
1001286-09	A	Jan-25-10 07:00	MAS	0.5293	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						
1001286-10	A	Jan-25-10 07:00	MAS	0.5061	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						
1001286-11	A	Jan-25-10 07:00	MAS	0.5439	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						
1001286-12	A	Jan-25-10 07:00	MAS	0.5017	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						
1001286-13	A	Jan-25-10 07:00	MAS	0.5406	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						
1001286-14	A	Jan-25-10 07:00	MAS	0.5145	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						

Comments:

Analyst Initials:

Metals, Soil, 3050B Digestion

98557

Batch comments:

MAS 01/25/10 7:00AM-4:00PM
INST#218@92.9C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1001286-15	A	Jan-25-10 07:00	MAS	0.5292	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						
1001286-16	A	Jan-25-10 07:00	MAS	0.5063	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						

Comments:	Analyst Initials:

Metals, Soil, 3050B Digestion

Batch comments:
RDB 1-25-10 11:30AM-1:00PM
INST#218 @93.5C #222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	*Container*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*Client* Source ID	Spike ID	uL Spike	*Comments*
1000664-BLK1		Jan-25-10 11:30	RDB	0.5	250				
1000664-BS1		Jan-25-10 11:30	RDB	0.5	250		9120029	100	
1000664-MS1		Jan-25-10 11:30	RDB	0.5197	250	1001286-07	9120029	100	
1000664-MSD1		Jan-25-10 11:30	RDB	0.5142	250	1001286-07	9120029	100	
1000664-PS1		Jan-29-10 10:45	MSM	).01025(	5	1001286-07	9120103	25	[Spk] 0.5129g->250mL; 5mL->5mL; Spike
1001286-01	A	Jan-25-10 11:30	RDB	0.5013	250	SulTRAC			
Sb Total 6020									
1001286-02	A	Jan-25-10 11:30	RDB	0.5097	250	SulTRAC			
Sb Total 6020									
1001286-03	A	Jan-25-10 11:30	RDB	0.5129	250	SulTRAC			
Sb Total 6020									
1001286-04	A	Jan-25-10 11:30	RDB	0.5342	250	SulTRAC			
Sb Total 6020									
1001286-05	A	Jan-25-10 11:30	RDB	0.5111	250	SulTRAC			
Sb Total 6020									
1001286-06	A	Jan-25-10 11:30	RDB	0.5052	250	SulTRAC			
Sb Total 6020									
1001286-07	A	Jan-25-10 11:30	RDB	0.5129	250	SulTRAC			
Sb Total 6020									
1001286-08	A	Jan-25-10 11:30	RDB	0.5112	250	SulTRAC			
Sb Total 6020									
1001286-09	A	Jan-25-10 11:30	RDB	0.503	250	SulTRAC			
Sb Total 6020									

Comments:	Analyst Initials:

Metals, Soil, 3050B Digestion

Batch comments:
RDB 1-25-10 11:30AM-1:00PM
INST#218 @93.5C #222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1001286-10	A	Jan-25-10 11:30	RDB	0.5202	250	SulTRAC			
Sb Total 6020									
1001286-11	A	Jan-25-10 11:30	RDB	0.5324	250	SulTRAC			
Sb Total 6020									
1001286-12	A	Jan-25-10 11:30	RDB	0.5063	250	SulTRAC			
Sb Total 6020									
1001286-13	A	Jan-25-10 11:30	RDB	0.5385	250	SulTRAC			
Sb Total 6020									
1001286-14	A	Jan-25-10 11:30	RDB	0.5285	250	SulTRAC			
Sb Total 6020									
1001286-15	A	Jan-25-10 11:30	RDB	0.5102	250	SulTRAC			
Sb Total 6020									
1001286-16	A	Jan-25-10 11:30	RDB	0.5119	250	SulTRAC			
Sb Total 6020									

Comments:

Analyst Initials:

Metals, Water, 3020A Digestion

Batch comments:
MAS 01/28/10 7:00AM-4:00PM
INST#217@93.9C#223
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	*Container*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*Client* Source ID	*Client* Spike ID	*Client* uL Spike	*Comments*
1000730-BLK1		Jan-28-10 07:00	MAS	25	125				
1000730-BS1		Jan-28-10 07:00	MAS	25	125		9120124	25	
1001254-01	A	Jan-28-10 07:00	MAS	25	125	SulTRAC			From 1000571 by MAS on Jan-27-10
Zn Total 6020									

Comments:	Analyst Initials:

due 1/20

TriMatrix Laboratories, Inc. Cal ID: OA25012

Metals Laboratory Instrument Run Sequence

Instrument #: 801
Date: 1/25/10
Analyst: MSM

Data File: OA25028
Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060
Internal Standard #: 9110470

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

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 9110400
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 9110402
11. IFB1 9110403

Analysis # / Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis # / Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
1/17	1000390-b1K1				PBZn 35/51	1001142-04	1	10	10
2/18	-bS1				36/52	1001177-05	1		10
3/19	1001142-02				37/53	-mS1	1		10
4/20	-03				38/54	-mSD1	1		10
5/21	-04				39/55	-SRD3	0.2		50
6/22	1001177-01				40/56	-pSa	1	10	10
7/23	-02				Zn 41/57	1001177-10	0.2	10	50
8/24	-03				CV 42/58	-SRD2	1		10
9/25	-04				CVBZn 43/59	-13	0.4		25
10/26	-05				Zn 44/60	1001254-04	0.4		25
11/27	-mS1				45/61	-07	0.4		25
12/28	-mSD1				46/62	-09	0.4	10	25
13/29	-SRD1	0.4	10	25	Zn 47/63	-10	1	10	10
14/30	-pS1				48/64				
15/31	1001177-12				49/65				
16/32	-13				50/66				
17/33	-14				51/67				
18/34	-15				52/68				
19/35	1000579-bK1				53/69				
20/36	-bS1				54/70				
21/37	1001254-03				55/71				
22/38	-04				56/72				
23/39	-05				57/73				
24/40	-06				58/74				
25/41	-07				59/75				
26/42	-08				60/76				
27/43	-09				61/77				
28/44	-mS1				62/78				
29/45	-mSD1				63/79				
30/46	-SRD2	0.4	10	25	64/80				
31/47	-pS1				65/81				
32/48	1001254-10				66/82				
PBZn 33/49	1001142-02	1	10	10	67/83				
Zn 34/50	-03	1	10	10	68/84				

Instrument Tuning Report

File Name: 25JAN2010_6020A_A.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	6.975	1525	2020	0.876	
Co	58.933	58.929	14191	2050	0.851	
In	114.904	114.878	27796	2095	0.845	
Ba	137.905	137.879	33399	2110	0.855	
Ce	139.905	139.879	33886	2115	0.857	
Tl	204.975	204.976	49709	2180	0.831	

Daily Performance Report

Sample ID: 9101006
Sample Date/Time: Monday, January 25, 2010 10:15:08
Sample Description:
Method File: c:\elandata\Method\6020A_Daily.mth
Dataset File: c:\elandata\Dataset\default\9101006.4239
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 60
Current Dead Time (ns): 60

Number of Replicates: 6

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Li	7.0	5091.7	5091.722	122.413	2.4
	Co	58.9	164507.8	164507.804	2216.659	1.3
	In	114.9	417833.3	417833.346	8023.693	1.9
	Tl	205.0	274570.6	274570.647	3595.440	1.3
⌈>	Ba	137.9	335161.6	335161.590	4632.017	1.4
⌊	Ba++	69.0	8185.9	0.024	0.001	2.5
⌈>	Ce	139.9	405764.8	405764.766	6587.836	1.6
⌊	CeO	155.9	10317.4	0.025	0.001	5.2
	Bkgd	220.0	11.5	11.500	3.834	33.3

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5300.685	5300.685
Co	59	164402.858	164402.858
In	115	411286.438	411286.438
Tl	205	270594.081	270594.081
Ba	138	329364.815	329364.815
Ba++	69	8167.000	0.025
Ce	140	401222.727	401222.727
CeO	156	9594.520	0.024
Bkgd	220	10.000	10.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4938.463	4938.463
Co	59	164178.499	164178.499
In	115	421910.597	421910.597
Tl	205	280023.033	280023.033
Ba	138	335390.770	335390.770
Ba++	69	8180.013	0.024
Ce	140	407153.237	407153.237
CeO	156	11160.468	0.027
Bkgd	220	16.000	16.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5088.553	5088.553
Co	59	168319.899	168319.899
In	115	431379.771	431379.771
Tl	205	274711.563	274711.563
Ba	138	342462.850	342462.850
Ba++	69	8356.187	0.024
Ce	140	407864.797	407864.797
CeO	156	10648.799	0.026
Bkgd	220	11.000	11.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5036.522	5036.522
Co	59	164840.374	164840.374
In	115	417986.012	417986.012

Tl	205	275345.995	275345.995
Ba	138	331071.543	331071.543
Ba++	69	8242.074	0.025
Ce	140	395053.204	395053.204
CeO	156	10268.322	0.026
Bkgd	220	5.000	5.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5141.586	5141.586
Co	59	161443.844	161443.844
In	115	415032.270	415032.270
Tl	205	270580.656	270580.656
Ba	138	335703.527	335703.527
Ba++	69	8323.154	0.025
Ce	140	409903.252	409903.252
CeO	156	10268.322	0.025
Bkgd	220	13.000	13.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5044.526	5044.526
Co	59	163861.348	163861.348
In	115	409404.984	409404.984
Tl	205	276168.553	276168.553
Ba	138	336976.035	336976.035
Ba++	69	7846.692	0.023
Ce	140	413391.378	413391.378
CeO	156	9963.953	0.024
Bkgd	220	14.000	14.000

Sample/Batch Report

User Name: analystME
Computer Name: ELAN6100_08
Sample File: C:\Elandata\Sample\0A25028.sam
Report Date/Time: Monday, January 25, 2010 10:25:28

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000390-BLK1		Sample					
18		1000390-BS1		Sample					
19		1001142-02		Sample					
20		1001142-03		Sample					
21		1001142-04		Sample					
22		1001177-01		Sample					
23		1001177-02		Sample					
24		1001177-03		Sample					
25		1001177-04		Sample					
26		1001177-05		Sample					
27		1000390-MS1		Sample					
28		1000390-MSD1		Sample					
29		0A25028-SRD1		Sample					
30		1000390-PS1		Sample					
31		1001177-12		Sample					
32		1001177-13		Sample					
33		1001177-14		Sample					
34		1001177-15		Sample					
35		1000579-BLK1		Sample					
36		1000579-BS1		Sample					
37		1001254-03		Sample					
38		1001254-04		Sample					
39		1001254-05		Sample					
40		1001254-06		Sample					
41		1001254-07		Sample					
42		1001254-08		Sample					
43		1001254-09		Sample					
44		1000579-MS1		Sample					
45		1000579-MSD1		Sample					
46		0A25028-SRD2		Sample					
47		1000579-PS1		Sample					
48		1001254-10		Sample					

: 00565

Sample Information

Sample ID: 0A25028-CAL1
Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 10:26:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CAL1.001
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	240331.728					mg/L
	Be	9	3.667					mg/L
	V	51	5857 838					mg/L
	Cr	52	18879.222					mg/L
	Cr	53	4597.315					mg/L
	Co	59	93.335					mg/L
	Cu	63	310.342					mg/L
	Cu	65	175.004					mg/L
	Zn	66	376.012					mg/L
	Zn	68	2049.272					mg/L
>	Ge	72	440699.853					mg/L
	As	75	1210.449					mg/L
	Se	77	303.009					mg/L
	Se	82	7.845					mg/L
>	Rh	103	289128.246					mg/L
	Ag	107	15.667					mg/L
	Cd	111	12.553					mg/L
	Cd	114	16.422					mg/L
	Tl	203	32.000					mg/L
	Tl	205	56.334					mg/L
	Pb	208	322.672					mg/L
>	Bi	209	361604.538					mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

Cd	110.904
Cd	113.904
Tl	202.972
Tl	204.975
Pb	207.977
Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Li	6	247928.496			mg/L
Be	9	6.000			mg/L
V	51	5909.589			mg/L
Cr	52	19215.320			mg/L
Cr	53	4727.388			mg/L
Co	59	93.001			mg/L
Cu	63	327.010			mg/L
Cu	65	193.004			mg/L
Zn	66	372.012			mg/L
Zn	68	2058.274			mg/L
Ge	72	438548.587			mg/L
As	75	1261.788			mg/L
Se	77	302.008			mg/L
Se	82	29.081			mg/L
Rh	103	292164.234			mg/L
Ag	107	18.000			mg/L
Cd	111	14.658			mg/L
Cd	114	11.504			mg/L
Tl	203	34.000			mg/L
Tl	205	54.001			mg/L
Pb	208	322.008			mg/L
Bi	209	368383.987			mg/L

Repeat 2

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Li	6	237879.775			mg/L
Be	9	1.000			mg/L
V	51	5516.400			mg/L
Cr	52	18468.687			mg/L
Cr	53	4541.338			mg/L
Co	59	102.002			mg/L
Cu	63	300.008			mg/L
Cu	65	168.003			mg/L
Zn	66	375.012			mg/L
Zn	68	2070.278			mg/L
Ge	72	442596.884			mg/L
As	75	1104.443			mg/L
Se	77	280.008			mg/L
Se	82	67.773			mg/L
Rh	103	290368.782			mg/L
Ag	107	15.000			mg/L
Cd	111	11.122			mg/L
Cd	114	16.041			mg/L
Tl	203	25.000			mg/L
Tl	205	68.001			mg/L
Pb	208	318.008			mg/L
Bi	209	361223.398			mg/L

Repeat 3

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Li	6	235188.912			mg/L
Be	9	4.000			mg/L
V	51	8347.523			mg/L
Cr	52	18935.678			mg/L
Cr	53	4423.218			mg/L
Co	59	85.001			mg/L
Cu	63	304.008			mg/L
Cu	65	184.003			mg/L
Zn	66	381.013			mg/L
Zn	68	2021.265			mg/L
Ge	72	439952.078			mg/L
As	75	1265.104			mg/L
Se	77	317.008			mg/L
Se	82	-15.178			mg/L
Rh	103	284830.722			mg/L
Ag	107	14.000			mg/L
Cd	111	11.881			mg/L
Cd	114	21.722			mg/L
Tl	203	37.000			mg/L
Tl	205	49.001			mg/L
Pb	208	328.008			mg/L
Bi	209	357198.220			mg/L

: 00567

Sample Information

Sample ID: 0A25028-CAL2
Autosampler Position: 9
Sample Date/Time: Monday, January 25, 2010 10:29:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CAL2.002
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	243953.459	243953.459				mg/L
	Be	9	16.334	0.000				mg/L
	V	51	6722.283	0.002				mg/L
	Cr	52	19776.982	0.002				mg/L
	Cr	53	4779.752	0.000				mg/L
	Co	59	864.720	0.002				mg/L
	Cu	63	699.370	0.001				mg/L
	Cu	65	368.679	0.000				mg/L
	Zn	66	864.387	0.001				mg/L
	Zn	68	2425.377	0.001				mg/L
>	Ge	72	442141.543	442141.543				mg/L
	As	75	1349.598	0.000				mg/L
	Se	77	313.009	0.000				mg/L
	Se	82	0.758	-0.000				mg/L
>	Rh	103	302988.379	302988.379				mg/L
	Ag	107	668.033	0.002	0.000040	0.000	2.085	mg/L
	Cd	111	169.687	0.001	0.000040	0.000	5.003	mg/L
	Cd	114	373.931	0.001	0.000040	0.000	6.883	mg/L
	Tl	203	536.689	0.001	0.000040	0.000	6.248	mg/L
	Tl	205	1290.113	0.003	0.000040	0.000	2.611	mg/L
	Pb	208	2166.133	0.005				mg/L
>	Bi	209	373510.921	373510.921				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

: 00568

Cd	110.904
Cd	113.904
Tl	202.972
Tl	204.975
Pb	207.977
Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	250077.314	250077.314		mg/L
Be	9	13.000	0.000		mg/L
V	51	6492.050	0.001		mg/L
Cr	52	70304.910	0.003		mg/L
Cr	53	4817.440	0.000		mg/L
Co	59	665.054	0.002		mg/L
Cu	63	712.038	0.001		mg/L
Cu	65	382.011	0.000		mg/L
Zn	66	884.058	0.001		mg/L
Zn	68	2422.378	0.001		mg/L
Ge	72	441642.062	441642.062		mg/L
As	75	1498.649	0.001		mg/L
Se	77	301.008	0.000		mg/L
Se	82	30.291	0.000		mg/L
Rh	103	307628.074	307628.074		mg/L
Ag	107	653.032	0.002	0.000038	mg/L
Cd	111	172.732	0.001	0.000041	mg/L
Cd	114	368.162	0.001	0.000041	mg/L
Tl	203	509.021	0.001	0.000038	mg/L
Tl	205	1313.117	0.003	0.000041	mg/L
Pb	208	2168.131	0.005		mg/L
Bi	209	370998.181	370998.181		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	240057.940	240057.940		mg/L
Be	9	21.000	0.000		mg/L
V	51	6831.587	0.002		mg/L
Cr	52	19795.682	0.002		mg/L
Cr	53	4795.427	0.000		mg/L
Co	59	668.054	0.002		mg/L
Cu	63	715.038	0.001		mg/L
Cu	65	382.013	0.000		mg/L
Zn	66	864.053	0.001		mg/L
Zn	68	2431.379	0.001		mg/L
Ge	72	442582.023	442582.023		mg/L
As	75	1374.521	0.000		mg/L
Se	77	332.010	0.000		mg/L
Se	82	34.143	0.000		mg/L
Rh	103	298024.423	298024.423		mg/L
Ag	107	609.034	0.002	0.000041	mg/L
Cd	111	158.050	0.000	0.000038	mg/L
Cd	114	383.681	0.001	0.000042	mg/L
Tl	203	531.022	0.001	0.000039	mg/L
Tl	205	1271.110	0.003	0.000039	mg/L
Pb	208	2119.131	0.005		mg/L
Bi	209	377498.538	377498.538		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	241725.124	241725.124		mg/L
Be	9	15.000	0.000		mg/L
V	51	6843.132	0.002		mg/L
Cr	52	19230.355	0.001		mg/L
Cr	53	4728.387	0.000		mg/L
Co	59	661.053	0.002		mg/L
Cu	63	671.034	0.001		mg/L
Cu	65	352.011	0.000		mg/L
Zn	66	845.051	0.001		mg/L
Zn	68	2422.378	0.001		mg/L
Ge	72	442200.546	442200.546		mg/L
As	75	1175.624	0.000		mg/L
Se	77	308.009	0.000		mg/L
Se	82	62.158	0.000		mg/L
Rh	103	308112.640	308112.640		mg/L
Ag	107	642.035	0.002	0.000040	mg/L
Cd	111	178.279	0.001	0.000041	mg/L
Cd	114	351.751	0.001	0.000037	mg/L
Tl	203	570.025	0.001	0.000043	mg/L
Tl	205	1268.112	0.003	0.000040	mg/L
Pb	208	2211.138	0.005		mg/L
Bi	209	372038.045	372038.045		mg/L

Sample Information

Sample ID: 0A25028-CAL3
Autosampler Position: 3
Sample Date/Time: Monday, January 25, 2010 10:33:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CAL3.003
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	239459.330	239459.330				mg/L
	Be	9	56.001	0.000	0.000200	0.000	24.489	mg/L
	V	51	9647.167	0.009	0.000200	0.000	22.274	mg/L
	Cr	52	21554.390	0.007	0.000200	0.000	16.489	mg/L
	Cr	53	5201.342	0.001	0.000200	0.000	4.270	mg/L
	Co	59	3793.234	0.008	0.000200	0.000	3.118	mg/L
	Cu	63	2232.321	0.004	0.000200	0.000	2.601	mg/L
	Cu	65	1126.421	0.002	0.000200	0.000	3.053	mg/L
	Zn	66	1149.091	0.002	0.000200	0.000	7.547	mg/L
	Zn	68	2690.128	0.002	0.000200	0.000	10.414	mg/L
>	Ge	72	436985.916	436985.916				mg/L
	As	75	1980.399	0.002	0.000200	0.000	34.602	mg/L
	Se	77	378.346	0.000	0.000200	0.000	46.363	mg/L
	Se	82	82.201	0.000	0.000200	0.000	132.790	mg/L
>	Rh	103	288688.399	288688.399				mg/L
	Ag	107	3302.020	0.011	0.000200	0.000	1.002	mg/L
	Cd	111	803.748	0.003	0.000200	0.000	2.518	mg/L
	Cd	114	1833.536	0.006	0.000200	0.000	1.224	mg/L
	Tl	203	2613.102	0.007	0.000201	0.000	3.158	mg/L
	Tl	205	6270.757	0.018	0.000201	0.000	6.241	mg/L
	Pb	208	9062.340	0.025	0.000200	0.000	3.814	mg/L
>	Bi	209	349763.561	349763.561				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

: 00570

Cd	110.904
Cd	113.904
Tl	202.972
Tl	204.975
Pb	207.977
Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	246482.524	246482.524		mg/L
Be	9	64.001	0.000	0.000224	mg/L
V	51	10185.187	0.009	0.000214	mg/L
Cr	52	21742.544	0.008	0.000172	mg/L
Cr	53	5122.753	0.001	0.000183	mg/L
Co	59	3782.887	0.008	0.000193	mg/L
Cu	63	2237.323	0.004	0.000194	mg/L
Cu	65	1181.087	0.002	0.000207	mg/L
Zn	66	1117.066	0.002	0.000184	mg/L
Zn	68	2683.462	0.001	0.000179	mg/L
Ge	72	449026.485	449026.485		mg/L
As	75	1717.367	0.001	0.000120	mg/L
Se	77	422.015	0.000	0.000284	mg/L
Se	82	-31.771	0.000	-0.000102	mg/L
Rh	103	284482.109	284482.109		mg/L
Ag	107	3283.672	0.011	0.000201	mg/L
Cd	111	778.933	0.003	0.000197	mg/L
Cd	114	1830.323	0.006	0.000203	mg/L
Tl	203	2587.427	0.007	0.000195	mg/L
Tl	205	5972.199	0.017	0.000187	mg/L
Pb	208	8499.971	0.024	0.000192	mg/L
Bi	209	357035.548	357035.548		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	233845.943	233845.943		mg/L
Be	9	63.001	0.000	0.000233	mg/L
V	51	3654.848	0.007	0.000150	mg/L
Cr	52	21358.544	0.008	0.000182	mg/L
Cr	53	5208.680	0.002	0.000210	mg/L
Co	59	3634.822	0.008	0.000203	mg/L
Cu	63	2238.323	0.004	0.000202	mg/L
Cu	65	1100.084	0.002	0.000198	mg/L
Zn	66	1198.096	0.002	0.000214	mg/L
Zn	68	2682.458	0.002	0.000201	mg/L
Ge	72	435085.232	435085.232		mg/L
As	75	2137.113	0.002	0.000241	mg/L
Se	77	338.010	0.000	0.000101	mg/L
Se	82	157.815	0.000	0.000397	mg/L
Rh	103	269429.208	269429.208		mg/L
Ag	107	3337.702	0.011	0.000202	mg/L
Cd	111	428.728	0.003	0.000208	mg/L
Cd	114	1035.278	0.008	0.000200	mg/L
Tl	203	2656.450	0.008	0.000207	mg/L
Tl	205	6510.807	0.018	0.000211	mg/L
Pb	208	9241.058	0.028	0.000207	mg/L
Bi	209	344418.641	344418.641		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	236048.522	236048.522		mg/L
Be	9	41.001	0.000	0.000144	mg/L
V	51	10101.488	0.010	0.000238	mg/L
Cr	52	21584.080	0.008	0.000238	mg/L
Cr	53	5071.593	0.001	0.000187	mg/L
Co	59	3777.884	0.009	0.000204	mg/L
Cu	63	2221.318	0.004	0.000204	mg/L
Cu	65	1088.082	0.002	0.000197	mg/L
Zn	66	1132.066	0.002	0.000202	mg/L
Zn	68	2684.462	0.002	0.000220	mg/L
Ge	72	426848.032	426848.032		mg/L
As	75	2068.718	0.002	0.000239	mg/L
Se	77	375.012	0.000	0.000215	mg/L
Se	82	120.560	0.000	0.000305	mg/L
Rh	103	292153.880	292153.880		mg/L
Ag	107	3304.688	0.011	0.000198	mg/L
Cd	111	903.582	0.003	0.000198	mg/L
Cd	114	1835.008	0.006	0.000198	mg/L
Tl	203	2595.430	0.007	0.000200	mg/L
Tl	205	6329.466	0.018	0.000203	mg/L
Pb	208	9045.994	0.025	0.000201	mg/L
Bi	209	347838.494	347838.494		mg/L

:00571

Sample Information

Sample ID: 0A25028-CAL4
Autosampler Position: 4
Sample Date/Time: Monday, January 25, 2010 10:36:45
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CAL4.004
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	247261.489	247261.489				mg/L
	Be	9	258.007	0.001	0.000998	0.000	3.857	mg/L
	V	51	23324.417	0.040	0.000996	0.000	2.022	mg/L
	Cr	52	34248.619	0.036	0.001003	0.000	4.802	mg/L
	Cr	53	6622.030	0.005	0.000979	0.000	4.271	mg/L
	Co	59	18293.576	0.042	0.000999	0.000	0.681	mg/L
	Cu	63	9691.396	0.022	0.000999	0.000	1.289	mg/L
	Cu	65	4667.687	0.010	0.000998	0.000	2.111	mg/L
	Zn	66	3260.670	0.007	0.000987	0.000	1.608	mg/L
	Zn	68	4374.859	0.005	0.000985	0.000	2.399	mg/L
>	Ge	72	436160.175	436160.175				mg/L
	As	75	5051.472	0.009	0.000999	0.000	2.289	mg/L
	Se	77	636.364	0.001	0.000994	0.000	2.284	mg/L
	Se	82	433.880	0.001	0.001004	0.000	5.066	mg/L
>	Rh	103	302210.650	302210.650				mg/L
	Ag	107	16236.299	0.054	0.000998	0.000	1.565	mg/L
	Cd	111	3930.316	0.013	0.000998	0.000	0.474	mg/L
	Cd	114	8847.522	0.029	0.000997	0.000	2.059	mg/L
	Tl	203	12631.027	0.034	0.000997	0.000	2.205	mg/L
	Tl	205	30828.904	0.084	0.000998	0.000	2.110	mg/L
	Pb	208	42536.159	0.115	0.000996	0.000	1.577	mg/L
>	Bi	209	368511.871	368511.871				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

Cd	110.904
Cd	113.904
Tl	202.972
Tl	204.975
Pb	207.977
Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	256370.328	256370.328		mg/L
Be	9	258.008	0.001	0.000953	mg/L
V	51	23808.704	0.041	0.001013	mg/L
Cr	52	35255.773	0.037	0.001051	mg/L
Cr	53	8718.773	0.005	0.000988	mg/L
Co	59	18405.487	0.042	0.000998	mg/L
Cu	63	9641.871	0.021	0.000986	mg/L
Cu	65	4615.324	0.010	0.000978	mg/L
Zn	66	3258.068	0.007	0.000977	mg/L
Zn	68	4475.248	0.008	0.001012	mg/L
Ge	72	439683.424	439663.424		mg/L
As	75	5183.338	0.009	0.001023	mg/L
Se	77	637.031	0.001	0.000981	mg/L
Se	82	416.818	0.001	0.000958	mg/L
Rh	103	301603.843	301603.843		mg/L
Ag	107	16084.669	0.053	0.000990	mg/L
Cd	111	3912.992	0.013	0.000995	mg/L
Cd	114	9308.391	0.030	0.001017	mg/L
Tl	203	12507.504	0.034	0.000984	mg/L
Tl	205	30330.398	0.082	0.000978	mg/L
Pb	208	41833.078	0.113	0.000979	mg/L
Bi	209	369756.780	369756.780		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	242415.784	242415.784		mg/L
Be	9	258.007	0.001	0.001017	mg/L
V	51	22717.430	0.039	0.000974	mg/L
Cr	52	33171.220	0.034	0.000954	mg/L
Cr	53	6820.886	0.005	0.001008	mg/L
Co	59	18021.648	0.041	0.000994	mg/L
Cu	63	9814.639	0.022	0.001000	mg/L
Cu	65	4723.365	0.011	0.001020	mg/L
Zn	66	3283.680	0.007	0.001005	mg/L
Zn	68	4303.154	0.005	0.000972	mg/L
Ge	72	432117.616	432117.616		mg/L
As	75	4998.034	0.009	0.000988	mg/L
Se	77	626.030	0.001	0.000961	mg/L
Se	82	452.304	0.001	0.001057	mg/L
Rh	103	301297.036	301297.036		mg/L
Ag	107	16478.441	0.055	0.001016	mg/L
Cd	111	3908.428	0.013	0.000995	mg/L
Cd	114	8636.781	0.029	0.000976	mg/L
Tl	203	12878.069	0.035	0.001022	mg/L
Tl	205	31332.104	0.085	0.001020	mg/L
Pb	208	42816.762	0.116	0.001009	mg/L
Bi	209	368331.328	368331.328		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	242998.375	242998.375		mg/L
Be	9	260.007	0.001	0.001023	mg/L
V	51	23447.118	0.040	0.001002	mg/L
Cr	52	34318.664	0.036	0.001005	mg/L
Cr	53	6528.822	0.005	0.000931	mg/L
Co	59	18453.584	0.042	0.001007	mg/L
Cu	63	9817.878	0.022	0.001011	mg/L
Cu	65	4664.352	0.010	0.000996	mg/L
Zn	66	3241.663	0.007	0.000979	mg/L
Zn	68	4346.177	0.005	0.000971	mg/L
Ge	72	436899.484	436899.484		mg/L
As	75	4972.045	0.009	0.000977	mg/L
Se	77	646.032	0.001	0.001020	mg/L
Se	82	432.518	0.001	0.001000	mg/L
Rh	103	303731.070	303731.070		mg/L
Ag	107	16145.767	0.053	0.000967	mg/L
Cd	111	3871.528	0.013	0.001003	mg/L
Cd	114	8697.414	0.029	0.000998	mg/L
Tl	203	12508.507	0.034	0.000985	mg/L
Tl	205	30824.210	0.083	0.000995	mg/L
Pb	208	42858.638	0.115	0.001001	mg/L
Bi	209	369447.503	369447.503		mg/L

Sample Information

Sample ID: 0A25028-CAL5
Autosampler Position: 5
Sample Date/Time: Monday, January 25, 2010 10:40:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CAL5.005
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	244635.323	244635.323				mg/L
	Be	9	2565.754	0.010	0.010002	0.000	1.965	mg/L
	V	51	181279.639	0.397	0.009998	0.000	2.134	mg/L
	Cr	52	169501.216	0.341	0.009995	0.000	2.679	mg/L
	Cr	53	23042.052	0.042	0.009983	0.000	2.590	mg/L
	Co	59	177611.032	0.401	0.009996	0.000	2.492	mg/L
	Cu	63	92544.620	0.209	0.009997	0.000	2.043	mg/L
	Cu	65	44713.762	0.101	0.009997	0.000	1.176	mg/L
	Zn	66	28208.616	0.063	0.009993	0.000	1.365	mg/L
	Zn	68	24636.950	0.051	0.009993	0.000	1.575	mg/L
>	Ge	72	442235.832	442235.832				mg/L
	As	75	39375.642	0.086	0.009997	0.000	0.887	mg/L
	Se	77	3455.751	0.007	0.009991	0.000	4.764	mg/L
	Se	82	4260.321	0.010	0.009999	0.000	1.535	mg/L
>	Rh	103	301056.014	301056.014				mg/L
	Ag	107	168084.577	0.558	0.010004	0.000	1.353	mg/L
	Cd	111	38966.305	0.129	0.010000	0.000	1.545	mg/L
	Cd	114	89602.674	0.298	0.010002	0.000	0.664	mg/L
	Tl	203	126714.221	0.343	0.010000	0.000	2.841	mg/L
	Tl	205	306855.692	0.831	0.009999	0.000	1.811	mg/L
	Pb	208	424763.549	1.150	0.010000	0.000	1.474	mg/L
>	Bi	209	369029.013	369029.013				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

Cd	110.904
Cd	113.904
Tl	202.972
Tl	204.975
Pb	207.977
Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	249881.105	249881.105		mg/L
Be	9	2654.448	0.011	0.010140	mg/L
V	51	183607.712	0.402	0.010137	mg/L
Cr	52	170795.198	0.344	0.010087	mg/L
Cr	53	23517.372	0.043	0.010250	mg/L
Co	59	173621.742	0.393	0.009778	mg/L
Cu	63	92454.965	0.209	0.009993	mg/L
Cu	65	44417.503	0.100	0.009938	mg/L
Zn	66	27972.147	0.062	0.009915	mg/L
Zn	68	24919.452	0.052	0.010126	mg/L
Ge	72	441657.021	441657.021		mg/L
As	75	38599.355	0.087	0.010066	mg/L
Se	77	3368.714	0.007	0.009712	mg/L
Se	82	4182.805	0.009	0.008825	mg/L
Rh	103	294830.749	294830.749		mg/L
Ag	107	167145.263	0.567	0.010156	mg/L
Cd	111	38848.578	0.132	0.010178	mg/L
Cd	114	87987.358	0.298	0.010030	mg/L
Tl	203	125049.487	0.334	0.009735	mg/L
Tl	205	304558.469	0.814	0.009790	mg/L
Pb	208	423444.656	1.131	0.009835	mg/L
Bi	209	374024.087	374024.087		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	242639.128	242639.128		mg/L
Be	9	2487.398	0.010	0.009777	mg/L
V	51	179448.235	0.401	0.010105	mg/L
Cr	52	169184.827	0.348	0.010205	mg/L
Cr	53	22543.877	0.042	0.009968	mg/L
Co	59	178740.315	0.412	0.010267	mg/L
Cu	63	92542.935	0.213	0.010203	mg/L
Cu	65	44397.398	0.102	0.010133	mg/L
Zn	66	28088.464	0.064	0.010151	mg/L
Zn	68	24227.409	0.051	0.010034	mg/L
Ge	72	433198.640	433198.640		mg/L
As	75	36183.163	0.085	0.009497	mg/L
Se	77	1556.784	0.008	0.010541	mg/L
Se	82	4195.791	0.010	0.010053	mg/L
Rh	103	304988.790	304988.790		mg/L
Ag	107	168507.288	0.552	0.009898	mg/L
Cd	111	39172.647	0.128	0.009921	mg/L
Cd	114	91208.077	0.299	0.010049	mg/L
Tl	203	129108.708	0.354	0.010300	mg/L
Tl	205	309870.821	0.841	0.010113	mg/L
Pb	208	472138.980	1.158	0.010048	mg/L
Bi	209	364878.781	364878.781		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241605.735	241605.735		mg/L
Be	9	2555.417	0.011	0.010087	mg/L
V	51	180782.971	0.387	0.009753	mg/L
Cr	52	168523.624	0.330	0.009694	mg/L
Cr	53	23065.106	0.041	0.009733	mg/L
Co	59	180471.038	0.399	0.009943	mg/L
Cu	63	92635.981	0.204	0.009784	mg/L
Cu	65	45326.387	0.100	0.009921	mg/L
Zn	66	28587.235	0.062	0.009914	mg/L
Zn	68	24763.968	0.050	0.009819	mg/L
Ge	72	451651.835	451651.835		mg/L
As	75	40334.407	0.087	0.010029	mg/L
Se	77	3443.748	0.007	0.009720	mg/L
Se	82	4402.368	0.010	0.010117	mg/L
Rh	103	303348.503	303348.503		mg/L
Ag	107	168601.169	0.556	0.009957	mg/L
Cd	111	38879.691	0.128	0.009900	mg/L
Cd	114	89602.586	0.295	0.009928	mg/L
Tl	203	125948.481	0.342	0.009966	mg/L
Tl	205	309037.986	0.839	0.010085	mg/L
Pb	208	428707.002	1.164	0.010118	mg/L
Bi	209	368088.192	368088.192		mg/L

Sample Information

Sample ID: 0A25028-CAL6
Autosampler Position: 6
Sample Date/Time: Monday, January 25, 2010 10:43:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CAL6.006
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	241736.443	241736.443				mg/L
	Be	9	5418.482	0.022	0.020267	0.000	0.736	mg/L
	V	51	370916.028	0.846	0.020254	0.001	3.118	mg/L
	Cr	52	337522.622	0.739	0.020321	0.001	2.851	mg/L
	Cr	53	42888.523	0.089	0.020250	0.000	0.188	mg/L
	Co	59	389335.526	0.902	0.020451	0.001	2.935	mg/L
	Cu	63	197776.348	0.458	0.020360	0.000	1.048	mg/L
	Cu	65	96658.302	0.224	0.020406	0.000	1.423	mg/L
	Zn	66	58703.300	0.135	0.020278	0.000	0.583	mg/L
	Zn	68	49119.549	0.109	0.020259	0.000	1.283	mg/L
>	Ge	72	431623.591	431623.591				mg/L
	As	75	79581.297	0.182	0.020203	0.000	1.075	mg/L
	Se	77	6537.964	0.014	0.020052	0.001	2.972	mg/L
	Se	82	8755.674	0.020	0.020209	0.000	2.412	mg/L
>	Rh	103	297378.495	297378.495				mg/L
	Ag	107	344378.595	1.158	0.020147	0.000	2.030	mg/L
	Cd	111	82382.423	0.277	0.020268	0.000	1.646	mg/L
	Cd	114	191197.553	0.643	0.020305	0.000	1.715	mg/L
	Tl	203	264216.328	0.728	0.020233	0.000	2.112	mg/L
	Tl	205	632707.141	1.744	0.020189	0.000	2.213	mg/L
	Pb	208	857630.509	2.363	0.020108	0.000	0.888	mg/L
>	Bi	209	362769.777	362769.777				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	246080.313	246060.313		mg/L
Be	9	5488.882	0.022	0.020168	mg/L
V	51	368614.498	0.833	0.019945	mg/L
Cr	52	335880.978	0.728	0.020013	mg/L
Cr	53	43288.575	0.089	0.020283	mg/L
Co	59	396484.829	0.915	0.020748	mg/L
Cu	63	201098.495	0.461	0.020523	mg/L
Cu	65	90864.368	0.222	0.020228	mg/L
Zn	66	59233.380	0.135	0.020283	mg/L
Zn	68	49868.383	0.110	0.020407	mg/L
Ge	72	435388.527	435388.527		mg/L
As	75	78353.328	0.180	0.019968	mg/L
Se	77	6381.514	0.014	0.019402	mg/L
Se	82	8667.492	0.020	0.019828	mg/L
Rh	103	296080.935	296080.935		mg/L
Ag	107	340154.787	1.149	0.019965	mg/L
Cd	111	81655.119	0.278	0.020178	mg/L
Cd	114	187079.358	0.632	0.019954	mg/L
Tl	203	268157.838	0.745	0.020689	mg/L
Tl	205	635491.078	1.765	0.020430	mg/L
Pb	208	858822.738	2.387	0.020312	mg/L
Bi	209	360031.429	360031.429		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241389.803	241389.803		mg/L
Be	9	5391.798	0.022	0.020194	mg/L
V	51	365180.696	0.829	0.019837	mg/L
Cr	52	333471.587	0.728	0.019960	mg/L
Cr	53	43142.820	0.089	0.020279	mg/L
Co	59	377985.080	0.871	0.019760	mg/L
Cu	63	196343.044	0.452	0.020119	mg/L
Cu	65	90368.885	0.222	0.020249	mg/L
Zn	66	58828.097	0.134	0.020157	mg/L
Zn	68	48700.282	0.110	0.020413	mg/L
Ge	72	433628.034	433628.034		mg/L
As	75	80142.823	0.182	0.020250	mg/L
Se	77	6731.783	0.015	0.020573	mg/L
Se	82	8724.545	0.020	0.020040	mg/L
Rh	103	295918.307	295918.307		mg/L
Ag	107	350822.630	1.185	0.020612	mg/L
Cd	111	83479.820	0.282	0.020638	mg/L
Cd	114	193500.589	0.654	0.020651	mg/L
Tl	203	261327.852	0.714	0.019842	mg/L
Tl	205	621838.556	1.700	0.019874	mg/L
Pb	208	859403.908	2.348	0.019979	mg/L
Bi	209	365840.450	365840.450		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	237758.411	237758.411		mg/L
Be	9	5374.788	0.023	0.020438	mg/L
V	51	378872.882	0.877	0.020981	mg/L
Cr	52	343435.353	0.764	0.020989	mg/L
Cr	53	42234.174	0.089	0.020206	mg/L
Co	59	391556.868	0.919	0.020844	mg/L
Cu	63	195887.508	0.458	0.020439	mg/L
Cu	65	90940.551	0.227	0.020741	mg/L
Zn	66	58248.444	0.138	0.020393	mg/L
Zn	68	47770.003	0.108	0.019959	mg/L
Ge	72	425655.211	425655.211		mg/L
As	75	79247.742	0.183	0.020392	mg/L
Se	77	6490.592	0.015	0.020181	mg/L
Se	82	8874.985	0.021	0.020758	mg/L
Rh	103	300138.243	300138.243		mg/L
Ag	107	342358.358	1.141	0.019843	mg/L
Cd	111	82012.329	0.273	0.019990	mg/L
Cd	114	189012.710	0.643	0.020309	mg/L
Tl	203	263163.295	0.728	0.020169	mg/L
Tl	205	640790.790	1.768	0.020464	mg/L
Pb	208	853684.866	2.354	0.020037	mg/L
Bi	209	362437.453	362437.453		mg/L

: 00577

Sample Information

Sample ID: 0A25028-CAL7
Autosampler Position: 7
Sample Date/Time: Monday, January 25, 2010 10:47:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CAL7.007
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	245586.383	245586.383				mg/L
	Be	9	13060.025	0.053	0.049672	0.000	0.418	mg/L
	V	51	910397.639	2.053	0.049853	0.001	1.394	mg/L
	Cr	52	801037.600	1.775	0.049794	0.000	0.496	mg/L
	Cr	53	98696.397	0.214	0.049766	0.001	1.589	mg/L
	Co	59	926964.090	2.104	0.049601	0.000	0.228	mg/L
	Cu	63	475251.533	1.078	0.049649	0.001	1.166	mg/L
	Cu	65	229278.002	0.520	0.049557	0.000	0.891	mg/L
	Zn	66	141978.547	0.321	0.049693	0.001	1.431	mg/L
	Zn	68	115958.376	0.259	0.049653	0.000	0.648	mg/L
>	Ge	72	440614.092	440614.092				mg/L
	As	75	195615.211	0.441	0.049843	0.000	0.872	mg/L
	Se	77	15810.477	0.035	0.049796	0.001	1.501	mg/L
	Se	82	21474.699	0.049	0.049755	0.001	2.321	mg/L
>	Rh	103	301946.787	301946.787				mg/L
	Ag	107	859995.687	2.848	0.049924	0.000	0.469	mg/L
	Cd	111	201947.929	0.669	0.049819	0.000	0.580	mg/L
	Cd	114	463952.059	1.536	0.049748	0.000	0.397	mg/L
	Tl	203	646392.777	1.742	0.049727	0.001	1.564	mg/L
	Tl	205	1548124.754	4.174	0.049710	0.000	0.206	mg/L
	Pb	208	2133633.988	5.752	0.049820	0.000	0.963	mg/L
>	Bi	209	370901.638	370901.638				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	250646.028	250646.028		mg/L
Be	9	13286.720	0.053	0.049520	mg/L
V	51	895294.998	2.021	0.049071	mg/L
Cr	52	803484.813	1.783	0.050000	mg/L
Cr	53	99119.987	0.215	0.050041	mg/L
Co	59	928058.283	2.104	0.049602	mg/L
Cu	63	468708.141	1.064	0.049014	mg/L
Cu	65	228540.715	0.518	0.049447	mg/L
Zn	66	140533.485	0.318	0.049238	mg/L
Zn	68	115232.384	0.257	0.049366	mg/L
Ge	72	440172.263	440172.263		mg/L
As	75	193462.887	0.437	0.049341	mg/L
Se	77	15580.670	0.035	0.049044	mg/L
Se	82	20941.888	0.048	0.048569	mg/L
Rh	103	299974.574	299974.574		mg/L
Ag	107	257727.428	2.858	0.050119	mg/L
Cd	111	199716.407	0.668	0.049593	mg/L
Cd	114	459858.288	1.533	0.049645	mg/L
Tl	203	634248.552	1.745	0.049806	mg/L
Tl	205	1518843.947	4.180	0.049781	mg/L
Pb	208	2103582.380	5.788	0.050128	mg/L
Bi	209	363392.745	363392.745		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	243709.708	243709.708		mg/L
Be	9	13022.297	0.053	0.049909	mg/L
V	51	913240.988	2.063	0.050080	mg/L
Cr	52	795481.444	1.765	0.049520	mg/L
Cr	53	98708.932	0.216	0.050382	mg/L
Co	59	923380.118	2.098	0.049487	mg/L
Cu	63	475790.220	1.061	0.049764	mg/L
Cu	65	231184.644	0.525	0.050043	mg/L
Zn	66	140720.585	0.319	0.049330	mg/L
Zn	68	116598.171	0.260	0.050010	mg/L
Ge	72	439823.634	439823.634		mg/L
As	75	196287.647	0.443	0.050094	mg/L
Se	77	16016.537	0.036	0.050536	mg/L
Se	82	21923.762	0.050	0.050878	mg/L
Rh	103	304327.246	304327.246		mg/L
Ag	107	867682.597	2.852	0.050988	mg/L
Cd	111	203133.165	0.667	0.049719	mg/L
Cd	114	468743.422	1.543	0.049978	mg/L
Tl	203	634763.645	1.714	0.048912	mg/L
Tl	205	1542087.047	4.164	0.049583	mg/L
Pb	208	2141122.179	5.781	0.050066	mg/L
Bi	209	370331.480	370331.480		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	242403.413	242403.413		mg/L
Be	9	12868.058	0.053	0.049587	mg/L
V	51	922658.934	2.075	0.050399	mg/L
Cr	52	804186.743	1.778	0.049862	mg/L
Cr	53	97262.271	0.210	0.048674	mg/L
Co	59	931443.889	2.108	0.049713	mg/L
Cu	63	481258.238	1.089	0.050148	mg/L
Cu	65	228128.648	0.516	0.049182	mg/L
Zn	66	144681.591	0.327	0.050512	mg/L
Zn	68	116046.574	0.258	0.049581	mg/L
Ge	72	441746.380	441746.380		mg/L
As	75	197094.998	0.443	0.050083	mg/L
Se	77	15854.225	0.035	0.048808	mg/L
Se	82	21558.648	0.049	0.049822	mg/L
Rh	103	301538.542	301538.542		mg/L
Ag	107	854377.038	2.833	0.049685	mg/L
Cd	111	202992.215	0.673	0.050144	mg/L
Cd	114	462154.468	1.533	0.049623	mg/L
Tl	203	670186.134	1.768	0.050442	mg/L
Tl	205	1583333.268	4.178	0.049757	mg/L
Pb	208	2158187.405	5.688	0.049287	mg/L
Bi	209	378980.690	378980.690		mg/L

Sample Information

Sample ID: 0A25028-CAL8
Autosampler Position: 8
Sample Date/Time: Monday, January 25, 2010 10:50:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CAL8.008
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	247001.689	247001.689				mg/L
	Be	9	25973.028	0.105	0.099589	0.002	1.643	mg/L
	V	51	1783723.177	3.973	0.099168	0.003	3.481	mg/L
	Cr	52	1541608.493	3.403	0.098912	0.004	3.798	mg/L
	Cr	53	186835.264	0.407	0.098768	0.003	2.785	mg/L
	Co	59	1833186.323	4.097	0.099194	0.002	1.946	mg/L
	Cu	63	937058.889	2.093	0.099152	0.002	1.574	mg/L
	Cu	65	461048.961	1.030	0.099570	0.001	1.171	mg/L
	Zn	66	289155.367	0.645	0.099951	0.001	1.352	mg/L
	Zn	68	232203.764	0.514	0.099715	0.002	1.610	mg/L
>	Ge	72	447491.595	447491.595				mg/L
	As	75	395113.729	0.880	0.099868	0.001	0.926	mg/L
	Se	77	32049.517	0.071	0.100081	0.001	1.481	mg/L
	Se	82	43198.116	0.097	0.099666	0.001	0.813	mg/L
>	Rh	103	302212.367	302212.367				mg/L
	Ag	107	1696144.643	5.613	0.099622	0.002	1.841	mg/L
	Cd	111	403379.944	1.335	0.099867	0.001	0.840	mg/L
	Cd	114	915890.200	3.031	0.099562	0.001	0.788	mg/L
	Tl	203	1317797.312	3.465	0.099737	0.001	1.494	mg/L
	Tl	205	3188869.609	8.385	0.099968	0.002	2.309	mg/L
	Pb	208	4370803.557	11.491	0.099890	0.002	2.116	mg/L
>	Bi	209	380408.580	380408.580				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

Cd	110.904
Cd	113.904
Tl	202.972
Tl	204.975
Pb	207.977
Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	253403.285	253403.285		mg/L
Be	9	28782.238	0.105	0.099302	mg/L
V	51	1638681.800	4.133	0.103148	mg/L
Cr	52	1594338.268	3.552	0.103249	mg/L
Cr	53	190980.509	0.420	0.101832	mg/L
Co	59	1857845.209	4.189	0.101422	mg/L
Cu	63	943384.871	2.126	0.100713	mg/L
Cu	65	462336.747	1.042	0.100741	mg/L
Zn	66	287854.018	0.646	0.100393	mg/L
Zn	68	233474.735	0.523	0.101342	mg/L
Ge	72	443502.082	443502.082		mg/L
As	75	384666.788	0.874	0.099128	mg/L
Se	77	31502.747	0.070	0.099256	mg/L
Se	82	43148.444	0.097	0.100443	mg/L
Rh	103	298515.545	298515.545		mg/L
Ag	107	1687879.152	5.654	0.100347	mg/L
Cd	111	399482.024	1.338	0.100120	mg/L
Cd	114	906543.263	3.047	0.100093	mg/L
Tl	203	1323594.920	3.420	0.098483	mg/L
Tl	205	3171727.501	8.198	0.097722	mg/L
Pb	208	4348592.052	11.237	0.097878	mg/L
Bi	209	386970.683	386970.683		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241206.410	241206.410		mg/L
Be	9	25815.181	0.107	0.101350	mg/L
V	51	1758305.668	3.868	0.096984	mg/L
Cr	52	1517436.583	3.328	0.096681	mg/L
Cr	53	183572.307	0.402	0.097414	mg/L
Co	59	1824842.583	4.051	0.098095	mg/L
Cu	63	928425.218	2.061	0.097581	mg/L
Cu	65	456691.200	1.018	0.098410	mg/L
Zn	66	280648.537	0.638	0.098434	mg/L
Zn	68	230088.673	0.508	0.098132	mg/L
Ge	72	450422.915	450422.915		mg/L
As	75	396517.454	0.878	0.099572	mg/L
Se	77	32803.768	0.072	0.101782	mg/L
Se	82	43116.388	0.096	0.098826	mg/L
Rh	103	303888.664	303888.664		mg/L
Ag	107	1728831.237	5.689	0.100982	mg/L
Cd	111	406398.603	1.344	0.100550	mg/L
Cd	114	924429.474	3.042	0.099932	mg/L
Tl	203	1307495.318	3.452	0.099372	mg/L
Tl	205	3172057.433	8.375	0.099848	mg/L
Pb	208	4382405.813	11.518	0.100106	mg/L
Bi	209	378768.354	378768.354		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	244395.383	244395.383		mg/L
Be	9	25321.686	0.104	0.098115	mg/L
V	51	1758002.267	3.902	0.097373	mg/L
Cr	52	1513053.821	3.330	0.096806	mg/L
Cr	53	183952.977	0.400	0.096956	mg/L
Co	59	1818771.168	4.050	0.098084	mg/L
Cu	63	939356.580	2.084	0.099153	mg/L
Cu	65	462116.935	1.030	0.099559	mg/L
Zn	66	292982.547	0.652	0.101026	mg/L
Zn	68	232669.686	0.514	0.099670	mg/L
Ge	72	448549.810	448549.810		mg/L
As	75	400138.945	0.889	0.100905	mg/L
Se	77	31842.037	0.070	0.099196	mg/L
Se	82	43329.506	0.097	0.099730	mg/L
Rh	103	304232.892	304232.892		mg/L
Ag	107	1671823.538	5.495	0.097536	mg/L
Cd	111	402279.208	1.322	0.098932	mg/L
Cd	114	913697.684	3.003	0.098660	mg/L
Tl	203	1322301.697	3.521	0.101378	mg/L
Tl	205	3222823.693	8.583	0.102333	mg/L
Pb	208	4401412.807	11.721	0.101888	mg/L
Bi	209	375488.703	375488.703		mg/L

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Linear Thru Zero	0.00	0.00	0.000000
Be	9.012	Linear Thru Zero	1.06	0.00	0.999932
V	50.944	Linear Thru Zero	40.07	0.00	0.999866
Cr	51.941	Linear Thru Zero	34.40	0.00	0.999770
Cr	52.941	Linear Thru Zero	4.12	0.00	0.999718
Co	58.933	Linear Thru Zero	41.30	0.00	0.999809
Cu	62.930	Linear Thru Zero	21.11	0.00	0.999822
Cu	64.928	Linear Thru Zero	10.34	0.00	0.999887
Zn	65.926	Linear Thru Zero	6.46	0.00	0.999962
Zn	67.925	Linear Thru Zero	5.16	0.00	0.999944
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	8.81	0.00	0.999983
Se	76.920	Linear Thru Zero	0.71	0.00	0.999988
Se	81.917	Linear Thru Zero	0.97	0.00	0.999958
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	56.34	0.00	0.999970
Cd	110.904	Linear Thru Zero	13.37	0.00	0.999975
Cd	113.904	Linear Thru Zero	30.44	0.00	0.999934
Tl	202.972	Linear Thru Zero	34.74	0.00	0.999960
Tl	204.975	Linear Thru Zero	83.87	0.00	0.999973
Pb	207.977	Linear Thru Zero	115.04	0.00	0.999988
Bi	208.980	Linear Thru Zero	0.00	0.00	0.000000

Method Equation

Analyte	Mass	Corrections
V	50.944	-3.127 *(ClO 53 -(0.113 *Cr 52))
As	74.922	-3.127 *(ArCl 77 -(0.696999898 *Se 82))
Se	81.917	- 1.007833 * Kr 83
Cd	110.904	-1.048986213 *(MoO 108 -(0.712 *Pd 106))
Cd	113.904	-0.027250 *Sn 118
Pb	207.977	+1*Pb206+1*Pb207

00582

Sample Information

Sample ID: 0A25028-SCV1
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 10:53:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-SCV1.009
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	240479.393	240479.393				mg/L
	Be	9	9909.323	0.041	0.039011	0.001	1.655	mg/L
	V	51	673745.437	1.512	0.037727	0.001	1.984	mg/L
	Cr	52	617439.579	1.355	0.039375	0.000	1.061	mg/L
	Cr	53	77017.705	0.164	0.039755	0.000	0.794	mg/L
	Co	59	728007.448	1.648	0.039890	0.000	1.172	mg/L
	Cu	63	372760.716	0.843	0.039918	0.001	1.356	mg/L
	Cu	65	181605.900	0.411	0.039695	0.001	1.274	mg/L
	Zn	66	113196.315	0.255	0.039547	0.001	2.307	mg/L
	Zn	68	93570.810	0.207	0.040155	0.001	1.591	mg/L
>	Ge	72	441867.801	441867.801				mg/L
	As	75	153429.866	0.345	0.039089	0.000	1.208	mg/L
	Se	77	11969.042	0.026	0.037254	0.000	1.223	mg/L
	Se	82	15915.889	0.036	0.037182	0.001	2.749	mg/L
>	Rh	103	296410.710	296410.710				mg/L
	Ag	107	666008.703	2.247	0.039880	0.000	0.636	mg/L
	Cd	111	156636.999	0.528	0.039536	0.000	0.478	mg/L
	Cd	114	358635.742	1.210	0.039747	0.001	1.336	mg/L
	Tl	203	503057.857	1.393	0.040092	0.000	0.650	mg/L
	Tl	205	1199671.436	3.322	0.039604	0.001	2.669	mg/L
	Pb	208	1621689.538	4.489	0.039022	0.001	1.640	mg/L
>	Bi	209	361200.823	361200.823				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.061
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.265
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.519
	Ag	106.905	

: 00583

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.888

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	243809.587	243809.587		mg/L
Be	9	10184.334	0.042	0.039587	mg/L
V	51	680752.743	1.548	0.038578	mg/L
Cr	52	614180.282	1.384	0.039038	mg/L
Cr	53	78598.189	0.165	0.040022	mg/L
Co	59	728490.369	1.668	0.040388	mg/L
Cu	63	382629.547	0.830	0.039296	mg/L
Cu	65	179171.430	0.410	0.039827	mg/L
Zn	66	111685.547	0.255	0.039481	mg/L
Zn	68	91497.475	0.205	0.039724	mg/L
Ge	72	436878.316	436878.316		mg/L
As	75	153208.177	0.348	0.039498	mg/L
Se	77	11946.677	0.027	0.037833	mg/L
Se	82	16230.873	0.037	0.038382	mg/L
Rh	103	295953.528	295953.528		mg/L
Ag	107	662757.278	2.239	0.039747	mg/L
Cd	111	157212.773	0.531	0.039743	mg/L
Cd	114	363555.728	1.228	0.040353	mg/L
Tl	203	508333.809	1.401	0.040324	mg/L
Tl	205	1202423.073	3.326	0.039061	mg/L
Pb	208	1800723.337	4.428	0.038448	mg/L
Bi	209	361458.172	361458.172		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	236329.577	236329.577		mg/L
Be	9	9768.620	0.041	0.039135	mg/L
V	51	664683.349	1.488	0.037161	mg/L
Cr	52	621613.584	1.382	0.039592	mg/L
Cr	53	77272.377	0.164	0.039836	mg/L
Co	59	727817.183	1.645	0.039823	mg/L
Cu	63	375485.658	0.848	0.040180	mg/L
Cu	65	184308.888	0.416	0.040231	mg/L
Zn	66	116050.830	0.261	0.040491	mg/L
Zn	68	95368.553	0.211	0.040689	mg/L
Ge	72	442457.872	442457.872		mg/L
As	75	154079.188	0.345	0.039200	mg/L
Se	77	12025.791	0.026	0.037380	mg/L
Se	82	15878.779	0.035	0.036572	mg/L
Rh	103	298031.214	298031.214		mg/L
Ag	107	662490.243	2.238	0.039721	mg/L
Cd	111	156270.385	0.528	0.039494	mg/L
Cd	114	356134.574	1.203	0.039519	mg/L
Tl	203	498128.985	1.394	0.040143	mg/L
Tl	205	1219805.571	3.408	0.040832	mg/L
Pb	208	1838781.480	4.571	0.039732	mg/L
Bi	209	357920.324	357920.324		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	241299.035	241299.035		mg/L
Be	9	9784.815	0.040	0.038313	mg/L
V	51	675800.179	1.500	0.037445	mg/L
Cr	52	616514.880	1.338	0.038893	mg/L
Cr	53	77182.548	0.162	0.039408	mg/L
Co	59	727714.783	1.630	0.039460	mg/L
Cu	63	380168.843	0.851	0.040295	mg/L
Cu	65	181338.801	0.408	0.039727	mg/L
Zn	66	111852.789	0.250	0.038670	mg/L
Zn	68	93846.403	0.206	0.039853	mg/L
Ge	72	446469.414	446469.414		mg/L
As	75	153004.238	0.340	0.038572	mg/L
Se	77	11934.658	0.026	0.036748	mg/L
Se	82	15838.015	0.035	0.036612	mg/L
Rh	103	297247.389	297247.389		mg/L
Ag	107	672778.591	2.263	0.040173	mg/L
Cd	111	156427.839	0.526	0.039372	mg/L
Cd	114	358217.428	1.198	0.039387	mg/L
Tl	203	503710.765	1.383	0.039810	mg/L
Tl	205	1176785.665	3.231	0.038520	mg/L
Pb	208	1828082.786	4.459	0.038848	mg/L
Bi	209	364225.972	364225.972		mg/L

Sample Information

Sample ID: 0A25028-CCB
Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 10:57:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCB.010
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	240740.304	240740.304				mg/L
	Be	9	6.667	0.000	0.000012	0.000	51.003	mg/L
	V	51	5453.842	-0.000	-0.000011	0.000	172.785	mg/L
	Cr	52	18710.850	0.001	0.000038	0.000	80.475	mg/L
	Cr	53	4747.733	0.001	0.000187	0.000	10.812	mg/L
	Co	59	163.003	0.000	0.000004	0.000	13.107	mg/L
	Cu	63	363.678	0.000	0.000007	0.000	37.602	mg/L
	Cu	65	211.338	0.000	0.000010	0.000	59.170	mg/L
	Zn	66	352.678	-0.000	-0.000003	0.000	253.652	mg/L
	Zn	68	1992.258	0.000	0.000010	0.000	96.488	mg/L
>	Ge	72	423907.635	423907.635				mg/L
	As	75	1211.887	0.000	0.000012	0.000	283.316	mg/L
	Se	77	325.343	0.000	0.000113	0.000	29.169	mg/L
	Se	82	3.364	-0.000	-0.000011	0.000	1053.967	mg/L
>	Rh	103	289948.900	289948.900				mg/L
	Ag	107	349.011	0.001	0.000020	0.000	28.471	mg/L
	Cd	111	15.197	0.000	0.000001	0.000	106.634	mg/L
	Cd	114	48.683	0.000	0.000004	0.000	29.336	mg/L
	Tl	203	94.001	0.000	0.000005	0.000	43.580	mg/L
	Tl	205	183.004	0.000	0.000004	0.000	22.842	mg/L
	Pb	208	505.011	0.001	0.000005	0.000	30.162	mg/L
>	Bi	209	355195.385	355195.385				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.170
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.190
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.284
	Ag	106.905	

: 00585

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.228

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	245871.870	245871.870		mg/L
Be	9	7.000	0.000	0.000013	mg/L
V	51	5885.437	0.000	0.000011	mg/L
Cr	52	19381.730	0.002	0.000069	mg/L
Cr	53	4798.429	0.001	0.000183	mg/L
Co	59	175.004	0.000	0.000005	mg/L
Cu	63	378.012	0.000	0.000006	mg/L
Cu	65	209.005	0.000	0.000008	mg/L
Zn	66	382.013	0.000	0.000006	mg/L
Zn	68	2029.287	0.000	0.000016	mg/L
Ge	72	429000.570	429000.570		mg/L
As	75	1348.986	0.000	0.000045	mg/L
Se	77	334.010	0.000	0.000178	mg/L
Se	82	53.528	0.000	0.000110	mg/L
Rh	103	297381.034	297381.034		mg/L
Ag	107	442.018	0.001	0.000025	mg/L
Cd	111	14.142	0.000	0.000000	mg/L
Cd	114	40.931	0.000	0.000005	mg/L
Tl	203	121.002	0.000	0.000007	mg/L
Tl	205	212.005	0.000	0.000005	mg/L
Pb	208	561.013	0.001	0.000008	mg/L
Bi	209	351550.530	351550.530		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	238139.027	238139.027		mg/L
Be	9	8.000	0.000	0.000017	mg/L
V	51	5330.348	-0.001	-0.000020	mg/L
Cr	52	18392.458	0.000	0.000066	mg/L
Cr	53	4746.386	0.001	0.000168	mg/L
Co	59	163.003	0.000	0.000004	mg/L
Cu	63	338.010	0.000	0.000004	mg/L
Cu	65	240.008	0.000	0.000010	mg/L
Zn	66	351.011	0.000	-0.000005	mg/L
Zn	68	1981.255	0.000	-0.000001	mg/L
Ge	72	426587.272	426587.272		mg/L
As	75	1233.750	0.000	0.000017	mg/L
Se	77	318.009	0.000	0.000075	mg/L
Se	82	1.374	0.000	-0.000015	mg/L
Rh	103	284377.669	284377.669		mg/L
Ag	107	365.012	0.001	0.000022	mg/L
Cd	111	18.313	0.000	0.000002	mg/L
Cd	114	42.911	0.000	0.000003	mg/L
Tl	203	93.001	0.000	0.000005	mg/L
Tl	205	180.004	0.000	0.000004	mg/L
Pb	208	497.011	0.000	0.000004	mg/L
Bi	209	357117.971	357117.971		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	238210.014	238210.014		mg/L
Be	9	5.000	0.000	0.000005	mg/L
V	51	5145.741	-0.001	-0.000023	mg/L
Cr	52	18348.381	0.001	0.000038	mg/L
Cr	53	4898.371	0.001	0.000208	mg/L
Co	59	151.003	0.000	0.000004	mg/L
Cu	63	375.012	0.000	0.000009	mg/L
Cu	65	165.004	0.000	0.000005	mg/L
Zn	66	325.010	-0.000	-0.000011	mg/L
Zn	68	1968.252	0.000	0.000015	mg/L
Ge	72	416135.062	416135.062		mg/L
As	75	1052.928	-0.000	-0.000025	mg/L
Se	77	328.010	0.000	0.000135	mg/L
Se	82	-44.812	0.000	0.000130	mg/L
Rh	103	284087.997	284087.997		mg/L
Ag	107	240.008	0.001	0.000014	mg/L
Cd	111	13.134	0.000	0.000000	mg/L
Cd	114	42.208	0.000	0.000003	mg/L
Tl	203	68.001	0.000	0.000003	mg/L
Tl	205	157.003	0.000	0.000003	mg/L
Pb	208	457.009	0.000	0.000003	mg/L
Bi	209	356917.655	356917.655		mg/L

Sample Information

Sample ID: 0A25028-CRL1
Autosampler Position: 3
Sample Date/Time: Monday, January 25, 2010 11:00:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CRL1.011
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	243140.080	243140.080				mg/L
	Be	9	58.001	0.000	0.000212	0.000	6.803	mg/L
	V	51	9276.511	0.009	0.000218	0.000	3.924	mg/L
	Cr	52	22056.376	0.010	0.000278	0.000	13.627	mg/L
	Cr	53	4946.184	0.001	0.000320	0.000	17.792	mg/L
	Co	59	3694.856	0.009	0.000207	0.000	1.835	mg/L
	Cu	63	2170.971	0.004	0.000211	0.000	2.423	mg/L
	Cu	65	1129.088	0.002	0.000221	0.000	2.087	mg/L
	Zn	66	1126.087	0.002	0.000282	0.000	5.502	mg/L
	Zn	68	2592.096	0.002	0.000292	0.000	7.898	mg/L
>	Ge	72	420945.738	420945.738				mg/L
	As	75	1948.318	0.002	0.000213	0.000	6.154	mg/L
	Se	77	358.345	0.000	0.000231	0.000	21.736	mg/L
	Se	82	111.184	0.000	0.000255	0.000	16.675	mg/L
>	Rh	103	293478.767	293478.767				mg/L
	Ag	107	3303.688	0.011	0.000199	0.000	1.427	mg/L
	Cd	111	792.356	0.003	0.000199	0.000	2.329	mg/L
	Cd	114	1797.337	0.006	0.000199	0.000	3.968	mg/L
	Tl	203	2510.070	0.007	0.000205	0.000	2.243	mg/L
	Tl	205	6024.237	0.017	0.000204	0.000	3.429	mg/L
	Pb	208	8812.579	0.024	0.000212	0.000	1.076	mg/L
>	Bi	209	348899.806	348899.806				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.169
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	95.518
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.505
	Ag	106.905	

: 00587

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.487

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	248680 417	248680 417		mg/L
Be	9	57 001	0 000	0 000203	mg/L
V	51	8445 001	0 009	0 000228	mg/L
Cr	52	22420 344	0 010	0 000303	mg/L
Cr	53	5060 587	0 002	0 000385	mg/L
Co	59	3851 838	0 008	0 000205	mg/L
Cu	63	2208 314	0 005	0 000215	mg/L
Cu	65	1132 088	0 002	0 000222	mg/L
Zn	66	1163 083	0 002	0 000298	mg/L
Zn	68	2648 448	0 002	0 000319	mg/L
Ge	72	421021 610	421021 610		mg/L
As	75	1991 006	0 002	0 000225	mg/L
Se	77	375 012	0 000	0 000287	mg/L
Se	82	102 401	0 000	0 000233	mg/L
Rh	103	291845 343	291845 343		mg/L
Ag	107	3311 691	0 011	0 000200	mg/L
Cd	111	768 529	0 003	0 000194	mg/L
Cd	114	1783 746	0 008	0 000199	mg/L
Tl	203	2404 371	0 007	0 000200	mg/L
Tl	205	6015 230	0 017	0 000208	mg/L
Pb	208	8710 871	0 025	0 000214	mg/L
Bi	209	342151 099	342151 099		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	242070 952	242070 952		mg/L
Be	9	82 001	0 000	0 000228	mg/L
V	51	9091 601	0 009	0 000213	mg/L
Cr	52	22083 443	0 010	0 000297	mg/L
Cr	53	1844 456	0 001	0 000293	mg/L
Co	59	3728 871	0 008	0 000212	mg/L
Cu	63	2163 302	0 004	0 000213	mg/L
Cu	65	1095 083	0 002	0 000216	mg/L
Zn	66	1123 087	0 002	0 000288	mg/L
Zn	68	2544 414	0 001	0 000284	mg/L
Ge	72	416204 400	416204 400		mg/L
As	75	1873 564	0 002	0 000199	mg/L
Se	77	342 010	0 000	0 000189	mg/L
Se	82	129 772	0 000	0 000304	mg/L
Rh	103	292595 987	292595 987		mg/L
Ag	107	3239 682	0 011	0 000196	mg/L
Cd	111	806 318	0 003	0 000203	mg/L
Cd	114	1864 493	0 008	0 000207	mg/L
Tl	203	2587 427	0 007	0 000205	mg/L
Tl	205	5956 189	0 016	0 000198	mg/L
Pb	208	8980 982	0 024	0 000209	mg/L
Bi	209	358842 938	358842 938		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	238868 871	238868 871		mg/L
Be	9	55 001	0 000	0 000204	mg/L
V	51	9292 931	0 009	0 000213	mg/L
Cr	52	21865 343	0 008	0 000234	mg/L
Cr	53	4933 509	0 001	0 000281	mg/L
Co	59	3703 860	0 008	0 000208	mg/L
Cu	63	2143 287	0 004	0 000205	mg/L
Cu	65	1160 092	0 002	0 000225	mg/L
Zn	66	1082 082	0 002	0 000285	mg/L
Zn	68	2582 426	0 001	0 000275	mg/L
Ge	72	425611 205	425611 205		mg/L
As	75	1980 383	0 002	0 000216	mg/L
Se	77	358 011	0 000	0 000217	mg/L
Se	82	101 378	0 000	0 000228	mg/L
Rh	103	295984 980	295984 980		mg/L
Ag	107	3358 711	0 011	0 000201	mg/L
Cd	111	802 222	0 003	0 000200	mg/L
Cd	114	1743 771	0 008	0 000192	mg/L
Tl	203	2538 412	0 007	0 000209	mg/L
Tl	205	6089 292	0 017	0 000209	mg/L
Pb	208	8765 875	0 024	0 000213	mg/L
Bi	209	345605 381	345605 381		mg/L

: 00588

Sample Information

Sample ID: 0A25028-CRL2
Autosampler Position: 4
Sample Date/Time: Monday, January 25, 2010 11:04:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CRL2.012
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	245106.895	245106.895				mg/L
	Be	9	253.006	0.001	0.000963	0.000	7.193	mg/L
	V	51	23834.577	0.041	0.001025	0.000	3.268	mg/L
	Cr	52	34554.180	0.036	0.001046	0.000	3.403	mg/L
	Cr	53	6420.205	0.004	0.001021	0.000	5.539	mg/L
	Co	59	18400.146	0.042	0.001011	0.000	3.090	mg/L
	Cu	63	9802.537	0.022	0.001026	0.000	6.317	mg/L
	Cu	65	4768.414	0.010	0.001014	0.000	6.568	mg/L
	Zn	66	3234.994	0.007	0.001011	0.000	3.358	mg/L
	Zn	68	4364.853	0.005	0.001029	0.000	4.084	mg/L
>	Ge	72	438431.544	438431.544				mg/L
	As	75	4964.180	0.009	0.000973	0.000	4.016	mg/L
	Se	77	636.697	0.001	0.001080	0.000	8.780	mg/L
	Se	82	358.571	0.001	0.000826	0.000	8.392	mg/L
>	Rh	103	297699.127	297699.127				mg/L
	Ag	107	16188.540	0.054	0.000964	0.000	2.804	mg/L
	Cd	111	3941.709	0.013	0.000988	0.000	3.034	mg/L
	Cd	114	8970.396	0.030	0.000988	0.000	2.491	mg/L
	Tl	203	12732.850	0.035	0.001016	0.000	2.140	mg/L
	Tl	205	30815.192	0.086	0.001019	0.000	1.509	mg/L
	Pb	208	41476.991	0.114	0.000995	0.000	1.206	mg/L
>	Bi	209	359721.795	359721.795				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.987
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.485
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.964
	Ag	106.905	

00589

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.479

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	248852.441	248852.441		mg/L
Be	9	266.007	0.001	0.000998	mg/L
V	51	23742.879	0.040	0.000987	mg/L
Cr	52	34803.874	0.035	0.001023	mg/L
Cr	53	6648.716	0.004	0.001086	mg/L
Co	59	18680.731	0.040	0.000976	mg/L
Cu	63	9459.460	0.021	0.000971	mg/L
Cu	65	4576.302	0.010	0.000954	mg/L
Zn	66	3181.639	0.006	0.000973	mg/L
Zn	68	4330.188	0.005	0.000981	mg/L
Ge	72	445918.976	445918.976		mg/L
As	75	4920.150	0.008	0.000940	mg/L
Se	77	820.079	0.001	0.000992	mg/L
Se	82	382.419	0.001	0.000880	mg/L
Rh	103	300704.183	300704.183		mg/L
Ag	107	15894.302	0.053	0.000937	mg/L
Cd	111	3921.212	0.013	0.000972	mg/L
Cd	114	6803.921	0.029	0.000900	mg/L
Tl	203	12895.098	0.036	0.001037	mg/L
Tl	205	30718.821	0.086	0.001024	mg/L
Pb	208	41573.706	0.116	0.001004	mg/L
Bi	209	357028.158	357028.158		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	242738.974	242738.974		mg/L
Be	9	282.007	0.001	0.001008	mg/L
V	51	23485.171	0.041	0.001016	mg/L
Cr	52	33981.401	0.035	0.001027	mg/L
Cr	53	6297.442	0.004	0.000988	mg/L
Co	59	18486.887	0.042	0.001025	mg/L
Cu	63	9581.576	0.021	0.001009	mg/L
Cu	65	4673.357	0.010	0.001002	mg/L
Zn	66	3282.879	0.007	0.001038	mg/L
Zn	68	4364.188	0.005	0.001048	mg/L
Ge	72	434418.824	434418.824		mg/L
As	75	4881.078	0.008	0.000983	mg/L
Se	77	982.033	0.001	0.001180	mg/L
Se	82	324.323	0.001	0.000753	mg/L
Rh	103	292791.695	292791.695		mg/L
Ag	107	16368.223	0.058	0.000991	mg/L
Cd	111	4012.941	0.014	0.001022	mg/L
Cd	114	6974.644	0.031	0.001005	mg/L
Tl	203	12887.055	0.035	0.001018	mg/L
Tl	205	31483.600	0.087	0.001032	mg/L
Pb	208	41279.569	0.113	0.000981	mg/L
Bi	209	362822.689	362822.689		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	243729.268	243729.268		mg/L
Be	9	231.008	0.001	0.000843	mg/L
V	51	24295.681	0.043	0.001062	mg/L
Cr	52	34887.265	0.037	0.001087	mg/L
Cr	53	6314.455	0.004	0.000981	mg/L
Co	59	18653.038	0.043	0.001033	mg/L
Cu	63	10386.573	0.023	0.001098	mg/L
Cu	65	5055.584	0.011	0.001085	mg/L
Zn	66	3240.662	0.007	0.001022	mg/L
Zn	68	4400.205	0.005	0.001060	mg/L
Ge	72	434957.832	434957.832		mg/L
As	75	5091.313	0.009	0.001018	mg/L
Se	77	828.030	0.001	0.001087	mg/L
Se	82	358.970	0.001	0.000834	mg/L
Rh	103	299801.503	299801.503		mg/L
Ag	107	16303.085	0.054	0.000985	mg/L
Cd	111	3890.975	0.013	0.000988	mg/L
Cd	114	9132.822	0.030	0.001000	mg/L
Tl	203	12438.397	0.035	0.000984	mg/L
Tl	205	30263.154	0.084	0.001002	mg/L
Pb	208	41577.699	0.115	0.000998	mg/L
Bi	209	359318.538	359318.538		mg/L

Sample Information

Sample ID: 0A25028-IFA1
Autosampler Position: 10
Sample Date/Time: Monday, January 25, 2010 11:07:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-IFA1.013
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	260607.366	260607.366				mg/L
	Be	9	3.333	-0.000	-0.000002	0.000	238.534	mg/L
	V	51	6889.866	0.002	0.000050	0.000	31.873	mg/L
	Cr	52	23669.151	0.010	0.000281	0.000	10.003	mg/L
	Cr	53	7204.520	0.006	0.001348	0.000	11.208	mg/L
	Co	59	299.342	0.000	0.000011	0.000	2.070	mg/L
	Cu	63	3137.289	0.006	0.000296	0.000	4.862	mg/L
	Cu	65	1544.826	0.003	0.000293	0.000	4.705	mg/L
	Zn	66	5085.270	0.010	0.001615	0.000	2.824	mg/L
	Zn	68	4807.101	0.006	0.001166	0.000	1.919	mg/L
>	Ge	72	450666.183	450666.183				mg/L
	As	75	1185.035	-0.000	-0.000013	0.000	42.920	mg/L
	Se	77	573.025	0.001	0.000824	0.000	2.933	mg/L
	Se	82	22.933	0.000	0.000034	0.000	63.397	mg/L
>	Rh	103	279349.412	279349.412				mg/L
	Ag	107	241.006	0.001	0.000014	0.000	11.988	mg/L
	Cd	111	130.750	0.000	0.000032	0.000	119.110	mg/L
	Cd	114	2392.981	0.009	0.000280	0.000	0.625	mg/L
	Tl	203	54.667	0.000	0.000002	0.000	77.701	mg/L
	Tl	205	115.002	0.000	0.000002	0.000	62.360	mg/L
	Pb	208	741.687	0.001	0.000011	0.000	9.211	mg/L
>	Bi	209	353225.686	353225.686				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	108.437
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.261
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.618
	Ag	106.905	

: 00591

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.683

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	265892.038	265892.038		mg/L
Be	9	3.000	-0.000	-0.000004	mg/L
V	51	7022.987	0.002	0.000060	mg/L
Cr	52	23008.953	0.009	0.000249	mg/L
Cr	53	7458.412	0.006	0.001512	mg/L
Co	59	298.008	0.000	0.000011	mg/L
Cu	63	2971.559	0.008	0.000281	mg/L
Cu	65	1481.143	0.003	0.000277	mg/L
Zn	66	4907.494	0.010	0.001568	mg/L
Zn	68	4718.383	0.008	0.001142	mg/L
Ge	72	447670.351	447670.351		mg/L
As	75	1203.007	0.000	0.000007	mg/L
Se	77	578.028	0.001	0.000852	mg/L
Se	82	11.936	0.000	0.000009	mg/L
Rh	103	280047.583	280047.583		mg/L
Ag	107	267.007	0.001	0.000018	mg/L
Cd	111	-27.688	-0.000	-0.000011	mg/L
Cd	114	2381.845	0.008	0.000278	mg/L
In	203	77.001	0.000	0.000004	mg/L
Tl	205	157.003	0.000	0.000003	mg/L
Pb	208	735.020	0.001	0.000010	mg/L
Bi	209	364353.384	364353.384		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	256578.533	256578.533		mg/L
Be	9	2.000	0.000	0.000007	mg/L
V	51	7000.372	0.002	0.000058	mg/L
Cr	52	23751.038	0.010	0.000297	mg/L
Cr	53	7108.101	0.005	0.001320	mg/L
Co	59	294.008	0.000	0.000011	mg/L
Cu	63	3242.683	0.007	0.000310	mg/L
Cu	65	1583.162	0.003	0.000299	mg/L
Zn	66	5187.653	0.011	0.001655	mg/L
Zn	68	4787.423	0.008	0.001171	mg/L
Ge	72	447769.470	447769.470		mg/L
As	75	1162.008	-0.000	0.000017	mg/L
Se	77	588.025	0.001	0.000813	mg/L
Se	82	28.502	0.000	0.000047	mg/L
Rh	103	279257.731	279257.731		mg/L
Ag	107	244.008	0.001	0.000015	mg/L
Cd	111	244.325	0.001	0.000062	mg/L
Cd	114	2402.089	0.009	0.000281	mg/L
In	203	47.001	0.000	0.000001	mg/L
Tl	205	111.002	0.000	0.000002	mg/L
Pb	208	774.023	0.001	0.000012	mg/L
Bi	209	347494.579	347494.579		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	259253.527	259253.527		mg/L
Be	9	5.000	0.000	0.000004	mg/L
V	51	6648.240	0.001	0.000032	mg/L
Cr	52	24248.464	0.010	0.000298	mg/L
Cr	53	7048.048	0.005	0.001213	mg/L
Co	59	308.009	0.000	0.000011	mg/L
Cu	63	3197.645	0.008	0.000298	mg/L
Cu	65	1610.172	0.003	0.000303	mg/L
Zn	66	5160.682	0.010	0.001825	mg/L
Zn	68	4915.496	0.008	0.001188	mg/L
Ge	72	456558.727	456558.727		mg/L
As	75	1190.048	-0.000	-0.000016	mg/L
Se	77	575.028	0.001	0.000807	mg/L
Se	82	28.381	0.000	0.000046	mg/L
Rh	103	278742.913	278742.913		mg/L
Ag	107	212.005	0.001	0.000013	mg/L
Cd	111	175.614	0.001	0.000044	mg/L
Cd	114	2395.028	0.009	0.000280	mg/L
In	203	40.000	0.000	0.000001	mg/L
Tl	205	77.001	0.000	0.000001	mg/L
Pb	208	716.019	0.001	0.000010	mg/L
Bi	209	347829.114	347829.114		mg/L

: 00592

Sample Information

Sample ID: 0A25028-IFB1
Autosampler Position: 11
Sample Date/Time: Monday, January 25, 2010 11:10:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-IFB1.014
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	270317.538	270317.538				mg/L
	Be	9	6047.588	0.022	0.021178	0.000	1.672	mg/L
	V	51	394743.175	0.853	0.021295	0.000	0.547	mg/L
	Cr	52	360362.832	0.748	0.021748	0.000	2.020	mg/L
	Cr	53	47036.881	0.093	0.022518	0.001	2.235	mg/L
	Co	59	387088.778	0.850	0.020569	0.000	1.368	mg/L
	Cu	63	190916.616	0.418	0.019817	0.000	1.741	mg/L
	Cu	65	92004.565	0.202	0.019485	0.000	1.867	mg/L
	Zn	66	63568.563	0.139	0.021480	0.000	1.416	mg/L
	Zn	68	52028.838	0.110	0.021241	0.000	2.037	mg/L
>	Ge	72	455546.634	455546.634				mg/L
	As	75	79688.305	0.172	0.019537	0.000	0.415	mg/L
	Se	77	6462.903	0.013	0.019048	0.000	1.382	mg/L
	Se	82	8020.775	0.018	0.018163	0.000	0.911	mg/L
>	Rh	103	281913.902	281913.902				mg/L
	Ag	107	310360.642	1.101	0.019540	0.000	1.141	mg/L
	Cd	111	73886.713	0.262	0.019608	0.000	1.552	mg/L
	Cd	114	172254.456	0.611	0.020072	0.000	0.736	mg/L
	Tl	203	241950.113	0.689	0.019844	0.000	1.466	mg/L
	Tl	205	582806.749	1.660	0.019797	0.000	0.763	mg/L
	Pb	208	774938.012	2.207	0.019184	0.000	0.778	mg/L
>	Bi	209	350989.182	350989.182				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	112.477
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.369
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.505
	Ag	106.905	

: 00593

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.064

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A25028-IFB1	Cr	53	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	276508.197	276508.197		mg/L
Be	9	6073.273	0.022	0.020784	mg/L
V	51	391328.422	0.848	0.021171	mg/L
Cr	52	351358.601	0.731	0.021241	mg/L
Cr	53	45918.627	0.091	0.021995	mg/L
Co	59	380744.437	0.838	0.020292	mg/L
Cu	63	188129.998	0.416	0.019668	mg/L
Cu	65	90132.709	0.198	0.019146	mg/L
Zn	66	62381.236	0.136	0.021140	mg/L
Zn	68	50858.218	0.107	0.020806	mg/L
Ge	72	454197.792	454197.792		mg/L
As	75	78768.041	0.173	0.019615	mg/L
Se	77	6353.485	0.013	0.018768	mg/L
Se	82	7920.633	0.017	0.017389	mg/L
Rh	103	282120.812	282120.812		mg/L
Ag	107	306527.754	1.088	0.019284	mg/L
Cd	111	73217.558	0.258	0.019415	mg/L
Cd	114	171451.554	0.608	0.019983	mg/L
Tl	203	238925.080	0.885	0.019716	mg/L
Tl	205	540519.175	1.684	0.019841	mg/L
Pb	208	783381.935	2.168	0.019016	mg/L
Bi	209	348811.952	348811.952		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	265378.879	265378.879		mg/L
Be	9	5983.192	0.022	0.021268	mg/L
V	51	394452.197	0.858	0.021403	mg/L
Cr	52	362313.221	0.757	0.022006	mg/L
Cr	53	47688.423	0.095	0.022999	mg/L
Co	59	390222.195	0.861	0.020854	mg/L
Cu	63	193560.503	0.427	0.020208	mg/L
Cu	65	91258.888	0.201	0.019439	mg/L
Zn	66	63478.471	0.139	0.021573	mg/L
Zn	68	51730.562	0.110	0.021242	mg/L
Ge	72	452950.568	452950.568		mg/L
As	75	79252.331	0.172	0.019541	mg/L
Se	77	6503.602	0.014	0.019290	mg/L
Se	82	8043.457	0.018	0.018316	mg/L
Rh	103	284384.872	284384.872		mg/L
Ag	107	315568.080	1.110	0.019695	mg/L
Cd	111	73842.525	0.260	0.019451	mg/L
Cd	114	173258.585	0.609	0.020013	mg/L
Tl	203	243577.937	0.701	0.020177	mg/L
Tl	205	580653.037	1.871	0.019921	mg/L
Pb	208	771886.815	2.220	0.019301	mg/L
Bi	209	347488.328	347488.328		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	269089.538	269089.538		mg/L
Be	9	6108.287	0.023	0.021479	mg/L
V	51	396448.906	0.864	0.021310	mg/L
Cr	52	367418.875	0.767	0.021998	mg/L
Cr	53	47522.582	0.093	0.022569	mg/L
Co	59	390298.702	0.849	0.020581	mg/L
Cu	63	190038.347	0.413	0.019556	mg/L
Cu	65	94621.087	0.208	0.019869	mg/L
Zn	66	64847.984	0.140	0.021726	mg/L
Zn	68	53498.717	0.112	0.021873	mg/L
Ge	72	459491.542	459491.542		mg/L
As	75	80043.542	0.171	0.019454	mg/L
Se	77	6531.624	0.014	0.019087	mg/L
Se	82	8098.238	0.018	0.018180	mg/L
Rh	103	279238.021	279238.021		mg/L
Ag	107	308988.113	1.106	0.019640	mg/L
Cd	111	74500.058	0.267	0.019959	mg/L
Cd	114	172052.919	0.616	0.020210	mg/L
Tl	203	243347.343	0.682	0.019939	mg/L
Tl	205	587248.036	1.648	0.019629	mg/L
Pb	208	789545.487	2.213	0.019235	mg/L
Bi	209	356667.267	356667.267		mg/L

Sample Information

Sample ID: 0A25028-CCV 2
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 11:14:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCV.015
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	256809.334	256809.334				mg/L
	Be	9	11353.182	0.044	0.041850	0.001	1.929	mg/L
	V	51	743324.949	1.655	0.041293	0.001	1.452	mg/L
	Cr	52	665195.673	1.450	0.042142	0.001	3.420	mg/L
	Cr	53	81902.079	0.173	0.042057	0.001	3.124	mg/L
	Co	59	760906.823	1.707	0.041333	0.000	1.123	mg/L
	Cu	63	384482.666	0.862	0.040824	0.000	1.200	mg/L
	Cu	65	184833.850	0.414	0.040055	0.000	0.931	mg/L
	Zn	66	117457.529	0.263	0.040685	0.000	0.850	mg/L
	Zn	68	95633.941	0.210	0.040701	0.000	0.618	mg/L
>	Ge	72	445711.655	445711.655				mg/L
	As	75	157622.874	0.351	0.039817	0.000	1.227	mg/L
	Se	77	12153.979	0.027	0.037514	0.001	2.312	mg/L
	Se	82	16295.653	0.037	0.037737	0.000	0.972	mg/L
>	Rh	103	283803.897	283803.897				mg/L
	Ag	107	645640.631	2.275	0.040388	0.001	2.227	mg/L
	Cd	111	149491.314	0.527	0.039423	0.001	3.121	mg/L
	Cd	114	346396.812	1.221	0.040108	0.001	2.776	mg/L
	Tl	203	488777.427	1.386	0.039894	0.001	2.441	mg/L
	Tl	205	1182603.895	3.353	0.039977	0.001	1.728	mg/L
	Pb	208	1603293.793	4.545	0.039509	0.001	2.185	mg/L
>	Bi	209	352698.945	352698.945				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	106.856
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.137
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.158
	Ag	106.905	

00595

	Cd	110.904	
	Cd	113.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	97.537

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	263452.214	263452.214		mg/L
Be	9	11837.520	0.045	0.042541	mg/L
V	51	744428.717	1.678	0.041887	mg/L
Cr	52	878157.492	1.496	0.043548	mg/L
Cr	53	83810.178	0.180	0.043559	mg/L
Co	59	755855.092	1.717	0.041582	mg/L
Cu	63	383484.933	0.871	0.041239	mg/L
Cu	65	184349.602	0.419	0.040459	mg/L
Zn	66	116221.995	0.283	0.040772	mg/L
Zn	68	94520.870	0.210	0.040743	mg/L
Ge	72	440071.125	440071.125		mg/L
As	75	157744.478	0.358	0.040359	mg/L
Se	77	12238.102	0.027	0.036269	mg/L
Se	82	16284.932	0.037	0.036148	mg/L
Rh	103	289735.588	289735.588		mg/L
Ag	107	843501.183	2.221	0.039421	mg/L
Cd	111	147175.570	0.508	0.038004	mg/L
Cd	114	342552.274	1.182	0.038838	mg/L
Tl	203	480240.868	1.457	0.039068	mg/L
Tl	205	1163151.583	3.287	0.039188	mg/L
Pb	208	1568878.250	4.433	0.038531	mg/L
Bi	209	353871.768	353871.768		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	255732.156	255732.156		mg/L
Be	9	11084.451	0.043	0.040983	mg/L
V	51	753481.785	1.655	0.041304	mg/L
Cr	52	875162.308	1.452	0.042208	mg/L
Cr	53	81272.198	0.170	0.041123	mg/L
Co	59	761101.959	1.685	0.040798	mg/L
Cu	63	390796.276	0.885	0.040948	mg/L
Cu	65	185764.521	0.411	0.039724	mg/L
Zn	66	117915.555	0.260	0.040305	mg/L
Zn	68	98280.984	0.209	0.040431	mg/L
Ge	72	451640.231	451640.231		mg/L
As	75	159180.903	0.350	0.039878	mg/L
Se	77	12014.775	0.028	0.036568	mg/L
Se	82	16484.603	0.038	0.037025	mg/L
Rh	103	280468.045	280468.045		mg/L
Ag	107	840733.636	2.284	0.040545	mg/L
Cd	111	150831.959	0.537	0.040179	mg/L
Cd	114	349355.657	1.245	0.040915	mg/L
Tl	203	500795.678	1.423	0.040987	mg/L
Tl	205	1194501.883	3.394	0.040471	mg/L
Pb	208	1626208.481	4.620	0.040184	mg/L
Bi	209	351692.523	351692.523		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	251243.631	251243.631		mg/L
Be	9	11157.578	0.044	0.042046	mg/L
V	51	712086.345	1.630	0.040648	mg/L
Cr	52	842267.223	1.399	0.040668	mg/L
Cr	53	80823.863	0.171	0.041468	mg/L
Co	59	765783.408	1.719	0.041621	mg/L
Cu	63	379184.789	0.851	0.040283	mg/L
Cu	65	184387.426	0.414	0.039961	mg/L
Zn	66	118235.037	0.285	0.040980	mg/L
Zn	68	96089.890	0.211	0.040929	mg/L
Ge	72	445423.606	445423.606		mg/L
As	75	155943.239	0.347	0.039412	mg/L
Se	77	12209.059	0.027	0.037708	mg/L
Se	82	16157.423	0.036	0.037438	mg/L
Rh	103	281188.058	281188.058		mg/L
Ag	107	652687.065	2.321	0.041199	mg/L
Cd	111	150688.414	0.538	0.040068	mg/L
Cd	114	347282.504	1.235	0.040571	mg/L
Tl	203	485295.813	1.377	0.039849	mg/L
Tl	205	1150158.208	3.378	0.040273	mg/L
Pb	208	1614796.847	4.582	0.039832	mg/L
Bi	209	352332.547	352332.547		mg/L

: 00596

Sample Information

Sample ID: 0A25028-CCB 2

Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 11:17:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCB.016
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	254742.423	254742.423				mg/L
	Be	9	3.667	-0.000	-0.000001	0.000	727.842	mg/L
	V	51	6942.282	0.002	0.000062	0.000	41.508	mg/L
	Cr	52	20421.530	0.004	0.000104	0.000	15.324	mg/L
	Cr	53	4616.325	0.000	0.000015	0.000	219.829	mg/L
	Co	59	152.003	0.000	0.000003	0.000	33.771	mg/L
	Cu	63	341.677	0.000	0.000003	0.000	47.310	mg/L
	Cu	65	222.672	0.000	0.000011	0.000	66.909	mg/L
	Zn	66	370.679	-0.000	-0.000002	0.000	122.013	mg/L
	Zn	68	1954.916	-0.000	0.000040	0.000	120.412	mg/L
>	Ge	72	439982.309	439982.309				mg/L
	As	75	1262.785	0.000	0.000014	0.000	183.667	mg/L
	Se	77	296.675	-0.000	-0.000018	0.000	551.160	mg/L
	Se	82	18.441	0.000	0.000026	0.000	430.161	mg/L
>	Rh	103	290883.418	290883.418				mg/L
	Ag	107	309.676	0.001	0.000018	0.000	31.139	mg/L
	Cd	111	22.688	0.000	0.000003	0.000	84.696	mg/L
	Cd	114	40.466	0.000	0.000003	0.000	47.630	mg/L
	Tl	203	90.668	0.000	0.000005	0.000	45.863	mg/L
	Tl	205	197.671	0.000	0.000005	0.000	26.935	mg/L
	Pb	208	510.011	0.001	0.000005	0.000	19.117	mg/L
>	Bi	209	342707.288	342707.288				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	105.996
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.837
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.607
	Ag	106.905	

: 00597

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	94.774

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	8	259861.021	259861.021		mg/L
Be	9	4.000	0.000	0.000000	mg/L
V	51	6861.188	0.002	0.000055	mg/L
Cr	52	20828.707	0.004	0.000110	mg/L
Cr	53	4584.383	0.000	0.000038	mg/L
Co	59	170.003	0.000	0.000004	mg/L
Cu	63	330.010	0.000	0.000002	mg/L
Cu	65	198.004	0.000	0.000005	mg/L
Zn	66	368.012	0.000	-0.000003	mg/L
Zn	68	1987.252	-0.000	-0.000038	mg/L
Ge	72	442323.838	442323.838		mg/L
As	75	1184.632	-0.000	-0.000008	mg/L
Se	77	315.008	0.000	0.000035	mg/L
Se	82	12.344	0.000	0.000010	mg/L
Rh	103	288145.851	288145.851		mg/L
Ag	107	404.014	0.001	0.000024	mg/L
Cd	111	23.971	0.000	0.000003	mg/L
Cd	114	39.528	0.000	0.000003	mg/L
Tl	203	121.002	0.000	0.000008	mg/L
Tl	205	233.008	0.001	0.000008	mg/L
Pb	208	549.012	0.001	0.000008	mg/L
Bi	209	338773.178	338773.178		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	8	250153.552	250153.552		mg/L
Be	9	5.000	0.000	0.000004	mg/L
V	51	7363.854	0.004	0.000091	mg/L
Cr	52	20388.080	0.004	0.000118	mg/L
Cr	53	4587.308	0.000	0.000028	mg/L
Co	59	155.003	0.000	0.000004	mg/L
Cu	63	254.011	0.000	0.000005	mg/L
Cu	65	256.008	0.000	0.000019	mg/L
Zn	66	373.012	0.000	0.000001	mg/L
Zn	68	2040.270	0.000	0.000008	mg/L
Ge	72	434878.843	434878.843		mg/L
As	75	1358.258	0.000	0.000043	mg/L
Se	77	313.008	0.000	0.000045	mg/L
Se	82	67.710	0.000	0.000142	mg/L
Rh	103	289408.437	289408.437		mg/L
Ag	107	298.008	0.001	0.000017	mg/L
Cd	111	30.350	0.000	0.000005	mg/L
Cd	114	52.015	0.000	0.000004	mg/L
Tl	203	80.001	0.000	0.000004	mg/L
Tl	205	200.004	0.000	0.000005	mg/L
Pb	208	486.010	0.001	0.000005	mg/L
Bi	209	342172.979	342172.979		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	8	254212.698	254212.698		mg/L
Be	9	2.000	0.000	-0.000007	mg/L
V	51	6001.804	0.002	0.000040	mg/L
Cr	52	20268.824	0.003	0.000086	mg/L
Cr	53	4577.303	-0.000	-0.000022	mg/L
Co	59	131.002	0.000	0.000002	mg/L
Cu	63	341.010	0.000	0.000003	mg/L
Cu	65	214.005	0.000	0.000006	mg/L
Zn	66	370.012	-0.000	-0.000003	mg/L
Zn	68	1657.226	0.000	-0.000058	mg/L
Ge	72	442643.145	442643.145		mg/L
As	75	1244.483	0.000	0.000007	mg/L
Se	77	282.007	-0.000	0.000135	mg/L
Se	82	24.731	0.000	0.000078	mg/L
Rh	103	295087.965	295087.965		mg/L
Ag	107	229.005	0.001	0.000013	mg/L
Cd	111	13.742	0.000	0.000000	mg/L
Cd	114	29.856	0.000	0.000001	mg/L
Tl	203	71.001	0.000	0.000003	mg/L
Tl	205	160.003	0.000	0.000004	mg/L
Pb	208	495.011	0.001	0.000005	mg/L
Bi	209	347225.710	347225.710		mg/L

Sample Information

Sample ID: 1000390-BLK1
Autosampler Position: 17
Sample Date/Time: Monday, January 25, 2010 11:20:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000390-BLK1.017
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	258519.952	258519.952				mg/L
	Be	9	3.667	-0.000	-0.000001	0.000	1232.148	mg/L
	V	51	7208.059	0.003	0.000079	0.000	18.541	mg/L
	Cr	52	21892.943	0.007	0.000209	0.000	6.522	mg/L
	Cr	53	4469.577	-0.000	-0.000053	0.000	107.182	mg/L
	Co	59	110.669	0.000	0.000001	0.000	68.627	mg/L
	Cu	63	442.350	0.000	0.000015	0.000	8.688	mg/L
	Cu	65	228.672	0.000	0.000012	0.000	10.241	mg/L
	Zn	66	1354.790	0.002	0.000347	0.000	3.609	mg/L
	Zn	68	2872.857	0.002	0.000371	0.000	2.614	mg/L
>	Ge	72	437737.567	437737.567				mg/L
	As	75	1240.194	0.000	0.000010	0.000	52.577	mg/L
	Se	77	324.676	0.000	0.000076	0.000	59.507	mg/L
	Se	82	48.387	0.000	0.000096	0.000	23.541	mg/L
>	Rh	103	291848.803	291848.803				mg/L
	Ag	107	122.002	0.000	0.000006	0.000	14.451	mg/L
	Cd	111	5.010	-0.000	-0.000002	0.000	65.570	mg/L
	Cd	114	6.158	-0.000	-0.000001	0.000	276.373	mg/L
	Tl	203	48.667	0.000	0.000001	0.000	30.240	mg/L
	Tl	205	109.668	0.000	0.000002	0.000	13.776	mg/L
	Pb	208	1016.367	0.002	0.000017	0.000	2.890	mg/L
>	Bi	209	358985.753	358985.753				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	107.568
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.328
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.941
	Ag	106.905	

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.276

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	287578.654	287578.654		mg/L
Be	9	2.000	-0.000	0.000007	mg/L
V	51	7397.728	0.004	0.000092	mg/L
Cr	52	21926.026	0.007	0.000218	mg/L
Cr	53	4528.275	0.000	0.000012	mg/L
Co	59	117.002	0.000	0.000001	mg/L
Cu	63	428.015	0.000	0.000013	mg/L
Cu	65	225.005	0.000	0.000011	mg/L
Zn	66	1379.128	0.002	0.000358	mg/L
Zn	68	2840.512	0.002	0.000361	mg/L
Ge	72	436170.844	436170.844		mg/L
As	75	1214.421	0.000	0.000004	mg/L
Se	77	331.010	0.000	0.000101	mg/L
Se	82	41.190	0.000	0.000079	mg/L
Rh	103	269898.130	269898.130		mg/L
Ag	107	138.003	0.000	0.000007	mg/L
Cd	111	1.032	-0.000	0.000003	mg/L
Cd	114	32.773	0.000	0.000002	mg/L
Tl	203	49.001	0.000	0.000001	mg/L
Tl	205	113.002	0.000	0.000002	mg/L
Pb	208	1020.034	0.002	0.000017	mg/L
Bi	209	358755.902	358755.902		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	254877.577	254877.577		mg/L
Be	9	2.000	0.000	0.000007	mg/L
V	51	7334.550	0.003	0.000083	mg/L
Cr	52	22193.736	0.007	0.000217	mg/L
Cr	53	4387.198	0.000	0.000119	mg/L
Co	59	119.002	0.000	0.000001	mg/L
Cu	63	456.017	0.000	0.000016	mg/L
Cu	65	237.008	0.000	0.000014	mg/L
Zn	66	1326.119	0.002	0.000333	mg/L
Zn	68	2898.532	0.002	0.000371	mg/L
Ge	72	441283.788	441283.788		mg/L
As	75	1268.255	0.000	0.000014	mg/L
Se	77	336.010	0.000	0.000104	mg/L
Se	82	59.684	0.000	0.000121	mg/L
Rh	103	297692.880	297692.880		mg/L
Ag	107	111.002	0.000	0.000006	mg/L
Cd	111	10.581	-0.000	0.000001	mg/L
Cd	114	23.372	0.000	0.000004	mg/L
Tl	203	54.001	0.000	0.000002	mg/L
Tl	205	102.002	0.000	0.000002	mg/L
Pb	208	1003.033	0.002	0.000016	mg/L
Bi	209	361627.368	361627.368		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	253303.625	253303.625		mg/L
Be	9	7.000	0.000	0.000012	mg/L
V	51	6881.886	0.003	0.000083	mg/L
Cr	52	21556.087	0.007	0.000193	mg/L
Cr	53	4493.258	-0.000	0.000029	mg/L
Co	59	96.002	0.000	0.000000	mg/L
Cu	63	443.016	0.000	0.000015	mg/L
Cu	65	224.005	0.000	0.000011	mg/L
Zn	66	1359.124	0.002	0.000351	mg/L
Zn	68	2881.527	0.002	0.000380	mg/L
Ge	72	435778.070	435778.070		mg/L
As	75	1237.806	0.000	0.000011	mg/L
Se	77	307.009	0.000	0.000078	mg/L
Se	82	44.277	0.000	0.000087	mg/L
Rh	103	287954.399	287954.399		mg/L
Ag	107	117.002	0.000	0.000006	mg/L
Cd	111	3.117	0.000	0.000002	mg/L
Cd	114	9.072	0.000	-0.000001	mg/L
Tl	203	43.001	0.000	0.000001	mg/L
Tl	205	114.002	0.000	0.000002	mg/L
Pb	208	1026.035	0.002	0.000017	mg/L
Bi	209	355573.992	355573.992		mg/L

: 00500

Sample Information

Sample ID: 1000390-BS1
Autosampler Position: 18
Sample Date/Time: Monday, January 25, 2010 11:24:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000390-BS1.018
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	260040.453	260040.453				mg/L
	Be	9	10376.227	0.040	0.037793	0.001	1.916	mg/L
	V	51	721975.074	1.564	0.039034	0.000	0.580	mg/L
	Cr	52	636915.422	1.349	0.039202	0.000	0.804	mg/L
	Cr	53	77982.960	0.160	0.038800	0.000	0.983	mg/L
	Co	59	729762.110	1.594	0.038601	0.001	1.845	mg/L
	Cu	63	368941.707	0.805	0.038139	0.001	1.387	mg/L
	Cu	65	177101.312	0.387	0.037367	0.000	1.090	mg/L
	Zn	66	117501.183	0.256	0.039626	0.000	0.931	mg/L
	Zn	68	96333.094	0.206	0.039899	0.001	1.270	mg/L
>	Ge	72	457743.858	457743.858				mg/L
	As	75	141919.492	0.307	0.034871	0.001	1.509	mg/L
	Se	77	11191.622	0.024	0.033530	0.000	0.624	mg/L
	Se	82	14581.680	0.032	0.032876	0.001	2.177	mg/L
>	Rh	103	300051.443	300051.443				mg/L
	Ag	107	634752.453	2.115	0.037547	0.000	0.896	mg/L
	Cd	111	142419.283	0.475	0.035511	0.000	0.263	mg/L
	Cd	114	322968.279	1.076	0.035358	0.000	0.914	mg/L
	Tl	203	470901.850	1.284	0.036970	0.000	0.933	mg/L
	Tl	205	1141132.763	3.112	0.037107	0.001	1.638	mg/L
	Pb	208	1552462.854	4.233	0.036799	0.000	1.328	mg/L
>	Bi	209	366668.915	366668.915				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	108.201
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.867
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.778
	Ag	106.905	

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	101.401

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	288878.674	288878.674		mg/L
Be	9	10529.754	0.038	0.037062	mg/L
V	51	716909.120	1.573	0.038267	mg/L
Cr	52	634208.780	1.381	0.039554	mg/L
Cr	53	77803.288	0.162	0.039241	mg/L
Co	59	735784.380	1.628	0.039423	mg/L
Cu	63	363513.660	0.804	0.038070	mg/L
Cu	65	176539.111	0.390	0.037733	mg/L
Zn	66	115982.833	0.256	0.039627	mg/L
Zn	68	93739.208	0.203	0.038322	mg/L
Ge	72	451843.637	451843.637		mg/L
As	75	142388.672	0.312	0.035443	mg/L
Se	77	11123.530	0.024	0.033766	mg/L
Se	82	14350.109	0.032	0.032778	mg/L
Rh	103	297978.835	297978.835		mg/L
Ag	107	823879.937	2.094	0.037161	mg/L
Cd	111	141172.783	0.474	0.035445	mg/L
Cd	114	318681.271	1.069	0.035132	mg/L
Tl	203	469583.448	1.271	0.036601	mg/L
Tl	205	1127782.541	3.054	0.036406	mg/L
Pb	208	1540086.701	4.169	0.036243	mg/L
Bi	209	369303.317	369303.317		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	258553.261	258553.261		mg/L
Be	9	10324.495	0.040	0.037805	mg/L
V	51	728382.160	1.563	0.039020	mg/L
Cr	52	641249.115	1.345	0.039108	mg/L
Cr	53	78300.921	0.159	0.038549	mg/L
Co	59	728120.001	1.576	0.038160	mg/L
Cu	63	377768.456	0.817	0.036889	mg/L
Cu	65	179079.485	0.387	0.037439	mg/L
Zn	66	117478.413	0.253	0.039256	mg/L
Zn	68	97688.214	0.207	0.040101	mg/L
Ge	72	461935.265	461935.265		mg/L
As	75	141355.239	0.303	0.034439	mg/L
Se	77	11241.690	0.024	0.033368	mg/L
Se	82	14420.116	0.031	0.032216	mg/L
Rh	103	302256.883	302256.883		mg/L
Ag	107	841942.580	2.124	0.037696	mg/L
Cd	111	143299.843	0.474	0.035470	mg/L
Cd	114	324020.572	1.072	0.035215	mg/L
Tl	203	469088.772	1.268	0.037025	mg/L
Tl	205	1147580.229	3.147	0.037517	mg/L
Pb	208	1559353.848	4.275	0.037161	mg/L
Bi	209	364688.583	364688.583		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	252589.423	252589.423		mg/L
Be	9	10274.433	0.041	0.038510	mg/L
V	51	720853.944	1.555	0.038814	mg/L
Cr	52	635287.381	1.340	0.038947	mg/L
Cr	53	77544.672	0.158	0.038571	mg/L
Co	59	725381.947	1.579	0.038222	mg/L
Cu	63	365542.803	0.795	0.037648	mg/L
Cu	65	175685.341	0.382	0.036928	mg/L
Zn	66	119034.303	0.258	0.039984	mg/L
Zn	68	97571.862	0.208	0.040273	mg/L
Ge	72	459452.473	459452.473		mg/L
As	75	142018.564	0.308	0.034760	mg/L
Se	77	11208.846	0.024	0.033455	mg/L
Se	82	14974.815	0.033	0.033637	mg/L
Rh	103	299918.613	299918.613		mg/L
Ag	107	838434.842	2.129	0.037782	mg/L
Cd	111	142785.204	0.478	0.035618	mg/L
Cd	114	326202.883	1.088	0.035729	mg/L
Tl	203	474072.330	1.295	0.037284	mg/L
Tl	205	1148025.518	3.136	0.037395	mg/L
Pb	208	1557935.914	4.258	0.036982	mg/L
Bi	209	366014.668	366014.668		mg/L

Sample Information

Sample ID: 1001142-02
Autosampler Position: 19
Sample Date/Time: Monday, January 25, 2010 11:27:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001142-02.019
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	249405.133	249405.133				mg/L
	Be	9	380.346	0.002	0.001430	0.000	5.738	mg/L
	V	51	648732.713	1.420	0.035429	0.001	2.344	mg/L
	Cr	52	430761.186	0.909	0.026414	0.000	0.916	mg/L
	Cr	53	51897.991	0.104	0.025280	0.000	0.787	mg/L
	Co	59	163371.940	0.361	0.008733	0.000	1.335	mg/L
	Cu	63	533530.916	1.178	0.055793	0.001	1.373	mg/L
	Cu	65	264302.098	0.583	0.056403	0.001	1.033	mg/L
	Zn	66	487026.079	1.075	0.166486	0.003	1.669	mg/L
	Zn	68	403859.662	0.888	0.172089	0.001	0.853	mg/L
>	Ge	72	452668.076	452668.076				mg/L
	As	75	198603.398	0.436	0.049474	0.001	2.425	mg/L
	Se	77	943.730	0.001	0.001971	0.000	3.822	mg/L
	Se	82	520.833	0.001	0.001168	0.000	13.293	mg/L
>	Rh	103	288847.792	288847.792				mg/L
	Ag	107	3327.364	0.011	0.000204	0.000	1.121	mg/L
	Cd	111	4133.431	0.014	0.001067	0.000	0.637	mg/L
	Cd	114	6268.127	0.022	0.000711	0.000	1.982	mg/L
	Tl	203	11305.777	0.030	0.000875	0.000	2.540	mg/L
	Tl	205	26985.894	0.073	0.000865	0.000	2.066	mg/L
	Pb	208	5470452.423	14.743	0.128157	0.004	3.148	mg/L
>	Bi	209	371224.948	371224.948				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	103.775
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.716
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.903
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

102.660

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	257705.593	257705.593		mg/L
Be	9	398.013	0.002	0.001441	mg/L
V	51	566698.656	1.452	0.036741	mg/L
Cr	52	432431.278	0.905	0.026300	mg/L
Cr	53	52726.807	0.105	0.025499	mg/L
Co	59	167951.377	0.357	0.008641	mg/L
Cu	63	540983.752	1.185	0.056113	mg/L
Cu	65	269478.377	0.580	0.057051	mg/L
Zn	66	499883.868	1.095	0.169536	mg/L
Zn	68	207584.610	0.688	0.172267	mg/L
Ge	72	458328.510	458328.510		mg/L
As	75	194691.805	0.424	0.048087	mg/L
Se	77	958.065	0.001	0.001992	mg/L
Se	82	565.004	0.001	0.001260	mg/L
Rh	103	290158.945	290158.945		mg/L
Ag	107	3307.669	0.011	0.000201	mg/L
Cd	111	4133.229	0.014	0.001083	mg/L
Cd	114	6388.717	0.022	0.000722	mg/L
Tl	203	11268.754	0.029	0.000849	mg/L
Tl	205	27098.251	0.071	0.000845	mg/L
Pb	208	5431521.848	14.231	0.123702	mg/L
Bi	209	381651.580	381651.580		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	247633.928	247633.928		mg/L
Be	9	356.011	0.001	0.001343	mg/L
V	51	653875.938	1.421	0.035485	mg/L
Cr	52	438022.281	0.918	0.026682	mg/L
Cr	53	52154.215	0.104	0.025231	mg/L
Co	59	166943.273	0.368	0.008864	mg/L
Cu	63	528778.515	1.160	0.054919	mg/L
Cu	65	265299.471	0.582	0.056238	mg/L
Zn	66	488318.800	1.071	0.165822	mg/L
Zn	68	202882.803	0.680	0.170541	mg/L
Ge	72	455737.550	455737.550		mg/L
As	75	203279.615	0.443	0.050298	mg/L
Se	77	970.066	0.001	0.002033	mg/L
Se	82	582.423	0.001	0.001256	mg/L
Rh	103	290494.334	290494.334		mg/L
Ag	107	3385.731	0.012	0.000208	mg/L
Cd	111	4187.089	0.014	0.001075	mg/L
Cd	114	6162.558	0.021	0.000695	mg/L
Tl	203	11417.931	0.031	0.000869	mg/L
Tl	205	27074.180	0.073	0.000874	mg/L
Pb	208	5480856.772	14.684	0.129203	mg/L
Bi	209	368721.374	368721.374		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	242875.879	242875.879		mg/L
Be	9	380.013	0.002	0.001506	mg/L
V	51	623622.542	1.386	0.034581	mg/L
Cr	52	421829.948	0.903	0.026251	mg/L
Cr	53	50812.953	0.104	0.025111	mg/L
Co	59	160221.171	0.359	0.008684	mg/L
Cu	63	530852.482	1.190	0.056347	mg/L
Cu	65	258130.447	0.578	0.055921	mg/L
Zn	66	472865.570	1.060	0.164101	mg/L
Zn	68	401031.773	0.895	0.173480	mg/L
Ge	72	445940.170	445940.170		mg/L
As	75	197838.774	0.441	0.050026	mg/L
Se	77	903.058	0.001	0.001887	mg/L
Se	82	435.072	0.001	0.000938	mg/L
Rh	103	285890.098	285890.098		mg/L
Ag	107	3258.582	0.011	0.000200	mg/L
Cd	111	4079.965	0.014	0.001065	mg/L
Cd	114	6252.108	0.022	0.000717	mg/L
Tl	203	11210.846	0.031	0.000848	mg/L
Tl	205	26767.252	0.074	0.000877	mg/L
Pb	208	5488878.050	15.135	0.131564	mg/L
Bi	209	363301.909	363301.909		mg/L

Sample Information

Sample ID: 1001142-03
Autosampler Position: 20
Sample Date/Time: Monday, January 25, 2010 11:31:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001142-03.020
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	259055.465	259055.465				mg/L
	Be	9	215.672	0.001	0.000774	0.000	3.653	mg/L
	V	51	622659.177	1.327	0.033123	0.001	2.166	mg/L
	Cr	52	356242.805	0.724	0.021048	0.001	2.521	mg/L
	Cr	53	43949.056	0.084	0.020425	0.001	3.815	mg/L
	Co	59	230072.175	0.495	0.011983	0.000	2.131	mg/L
	Cu	63	202110.788	0.434	0.020570	0.000	0.857	mg/L
	Cu	65	99227.133	0.213	0.020611	0.001	2.624	mg/L
	Zn	66	467474.410	1.006	0.155734	0.003	1.781	mg/L
	Zn	68	400974.599	0.858	0.166444	0.002	1.431	mg/L
>	Ge	72	464594.469	464594.469				mg/L
	As	75	64809.546	0.137	0.015516	0.000	1.107	mg/L
	Se	77	682.701	0.001	0.001104	0.000	4.677	mg/L
	Se	82	225.963	0.000	0.000483	0.000	15.687	mg/L
>	Rh	103	296776.776	296776.776				mg/L
	Ag	107	5269.052	0.018	0.000314	0.000	3.397	mg/L
	Cd	111	3284.309	0.011	0.000825	0.000	4.167	mg/L
	Cd	114	5720.799	0.019	0.000632	0.000	3.121	mg/L
	Tl	203	3104.276	0.008	0.000241	0.000	2.806	mg/L
	Tl	205	7623.562	0.021	0.000246	0.000	2.978	mg/L
	Pb	208	3761268.184	10.262	0.089204	0.002	2.239	mg/L
>	Bi	209	366543.690	366543.690				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	107.791
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.422
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.645
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.366

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	263480.075	263480.075		mg/L
Be	9	211.005	0.001	0.000744	mg/L
V	51	628382.138	1.351	0.033716	mg/L
Cr	52	358188.177	0.737	0.021423	mg/L
Cr	53	44821.581	0.088	0.020971	mg/L
Co	59	223471.943	0.465	0.011742	mg/L
Cu	63	198429.824	0.430	0.020371	mg/L
Cu	65	90770.581	0.210	0.020273	mg/L
Zn	66	465656.835	1.010	0.156420	mg/L
Zn	68	393701.271	0.850	0.164828	mg/L
Ge	72	4805880.814	4805880.814		mg/L
As	75	83558.750	0.135	0.015345	mg/L
Se	77	698.038	0.001	0.001182	mg/L
Se	82	196.485	0.000	0.000427	mg/L
Rh	103	301826.700	301826.700		mg/L
Ag	107	5158.648	0.017	0.000302	mg/L
Cd	111	3298.988	0.011	0.000815	mg/L
Cd	114	5841.372	0.019	0.000812	mg/L
Tl	203	3086.595	0.008	0.000235	mg/L
Tl	205	7551.495	0.020	0.000241	mg/L
Pb	208	3714808.391	10.000	0.086929	mg/L
Bi	209	371436.058	371436.058		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	255544.528	255544.528		mg/L
Be	9	214.005	0.001	0.000779	mg/L
V	51	621601.299	1.335	0.033326	mg/L
Cr	52	357200.384	0.732	0.021281	mg/L
Cr	53	44273.740	0.088	0.020771	mg/L
Co	59	227691.940	0.494	0.011958	mg/L
Cu	63	201840.112	0.437	0.020708	mg/L
Cu	65	101429.552	0.220	0.021235	mg/L
Zn	66	470902.864	1.021	0.158100	mg/L
Zn	68	404332.712	0.873	0.169178	mg/L
Ge	72	4609?9.811	460929.811		mg/L
As	75	64986.914	0.138	0.015669	mg/L
Se	77	671.034	0.001	0.001084	mg/L
Se	82	210.651	0.000	0.000454	mg/L
Rh	103	294015.690	294015.690		mg/L
Ag	107	5387.782	0.018	0.000323	mg/L
Cd	111	3404.807	0.012	0.000843	mg/L
Cd	114	5683.817	0.019	0.000831	mg/L
Tl	203	3108.810	0.008	0.000240	mg/L
Tl	205	7580.522	0.020	0.000244	mg/L
Pb	208	3841330.441	10.430	0.090687	mg/L
Bi	209	368252.286	368252.286		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	258141.791	258141.791		mg/L
Be	9	222.005	0.001	0.000800	mg/L
V	51	617984.092	1.295	0.032327	mg/L
Cr	52	352339.848	0.703	0.020441	mg/L
Cr	53	42951.835	0.081	0.019532	mg/L
Co	59	238052.843	0.508	0.012251	mg/L
Cu	63	208082.828	0.438	0.020632	mg/L
Cu	65	99481.257	0.210	0.020328	mg/L
Zn	66	465081.431	0.988	0.152682	mg/L
Zn	68	404888.812	0.853	0.165325	mg/L
Ge	72	472282.782	472282.782		mg/L
As	75	65872.972	0.137	0.015515	mg/L
Se	77	681.035	0.001	0.001065	mg/L
Se	82	268.753	0.001	0.000569	mg/L
Rh	103	294487.938	294487.938		mg/L
Ag	107	5280.725	0.018	0.000317	mg/L
Cd	111	3148.355	0.011	0.000797	mg/L
Cd	114	5857.408	0.020	0.000852	mg/L
Tl	203	3139.623	0.009	0.000249	mg/L
Tl	205	7738.669	0.021	0.000254	mg/L
Pb	208	3727665.719	10.355	0.090315	mg/L
Bi	209	359842.718	359842.718		mg/L

Sample Information

Sample ID: 1001142-04
Autosampler Position: 21
Sample Date/Time: Monday, January 25, 2010 11:34:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001142-04.021
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	245986.152	245986.152				mg/L
	Be	9	208.005	0.001	0.000788	0.000	9.762	mg/L
	V	51	552015.248	1.228	0.030653	0.000	0.114	mg/L
	Cr	52	627416.152	1.368	0.039775	0.000	1.028	mg/L
	Cr	53	72915.065	0.154	0.037250	0.000	0.812	mg/L
	Co	59	205764.817	0.463	0.011200	0.000	1.098	mg/L
	Cu	63	301107.831	0.677	0.032042	0.000	0.545	mg/L
	Cu	65	148670.817	0.334	0.032287	0.000	1.407	mg/L
	Zn	66	411238.981	0.924	0.143120	0.003	1.983	mg/L
	Zn	68	347788.072	0.778	0.150773	0.003	2.075	mg/L
>	Ge	72	444630.149	444630.149				mg/L
	As	75	91744.896	0.204	0.023103	0.000	1.332	mg/L
	Se	77	1112.419	0.002	0.002562	0.000	8.740	mg/L
	Se	82	774.837	0.002	0.001781	0.000	1.292	mg/L
>	Rh	103	285621.000	285621.000				mg/L
	Ag	107	9365.020	0.033	0.000581	0.000	1.808	mg/L
	Cd	111	4581.203	0.016	0.001197	0.000	1.110	mg/L
	Cd	114	5998.218	0.021	0.000688	0.000	0.454	mg/L
	Tl	203	2850.516	0.008	0.000220	0.000	2.565	mg/L
	Tl	205	6821.193	0.018	0.000218	0.000	2.830	mg/L
	Pb	208	4533668.151	12.273	0.106680	0.002	2.243	mg/L
>	Bi	209	369426.118	369426.118				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.353
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.892
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.787
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

102.163

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	253580.258	253560.258		mg/L
Be	9	191.004	0.001	0.000699	mg/L
V	51	599138.558	1.228	0.030850	mg/L
Cr	52	629334.080	1.354	0.038368	mg/L
Cr	53	74387.273	0.155	0.037533	mg/L
Co	59	208873.348	0.484	0.011223	mg/L
Cu	63	303157.745	0.872	0.031844	mg/L
Cu	65	150445.371	0.334	0.032252	mg/L
Zn	66	416870.482	0.925	0.143212	mg/L
Zn	68	347141.298	0.788	0.148528	mg/L
Ge	72	450420.805	450420.805		mg/L
As	75	91687.246	0.201	0.022780	mg/L
Se	77	1047.078	0.002	0.002310	mg/L
Se	82	785.307	0.002	0.001782	mg/L
Rh	103	276292.272	276292.272		mg/L
Ag	107	9238.211	0.033	0.000583	mg/L
Cd	111	4385.411	0.016	0.001184	mg/L
Cd	114	5828.783	0.021	0.000891	mg/L
Tl	203	2848.515	0.008	0.000218	mg/L
Tl	205	6982.994	0.019	0.000222	mg/L
Pb	208	4445231.171	11.959	0.103958	mg/L
Bi	209	371684.933	371684.933		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	242038.015	242038.015		mg/L
Be	9	216.005	0.001	0.000831	mg/L
V	51	546823.812	1.227	0.030820	mg/L
Cr	52	626570.551	1.382	0.040188	mg/L
Cr	53	72381.708	0.154	0.037266	mg/L
Co	59	206084.152	0.467	0.011310	mg/L
Cu	63	299648.558	0.878	0.032174	mg/L
Cu	65	149608.497	0.339	0.032758	mg/L
Zn	66	415833.553	0.942	0.145911	mg/L
Zn	68	353113.593	0.798	0.154348	mg/L
Ge	72	440898.323	440898.323		mg/L
As	75	92131.380	0.208	0.023392	mg/L
Se	77	1159.092	0.002	0.002738	mg/L
Se	82	758.479	0.002	0.001758	mg/L
Rh	103	291783.223	291783.223		mg/L
Ag	107	9418.411	0.032	0.000572	mg/L
Cd	111	4872.588	0.018	0.001185	mg/L
Cd	114	6100.088	0.021	0.000845	mg/L
Tl	203	2806.532	0.008	0.000228	mg/L
Tl	205	6841.878	0.019	0.000222	mg/L
Pb	208	4555202.582	12.477	0.108454	mg/L
Bi	209	365073.900	365073.900		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	242360.182	242360.182		mg/L
Be	9	217.005	0.001	0.000834	mg/L
V	51	549885.375	1.230	0.030890	mg/L
Cr	52	624343.828	1.368	0.039770	mg/L
Cr	53	71878.215	0.152	0.036931	mg/L
Co	59	202338.950	0.457	0.011067	mg/L
Cu	63	300277.188	0.878	0.032108	mg/L
Cu	65	145958.584	0.329	0.031852	mg/L
Zn	66	401012.888	0.905	0.140237	mg/L
Zn	68	343108.324	0.771	0.149448	mg/L
Ge	72	442470.318	442470.318		mg/L
As	75	91436.082	0.204	0.023135	mg/L
Se	77	1131.088	0.002	0.002637	mg/L
Se	82	760.724	0.002	0.001804	mg/L
Rh	103	288787.505	288787.505		mg/L
Ag	107	9438.437	0.033	0.000579	mg/L
Cd	111	4685.810	0.018	0.001211	mg/L
Cd	114	6065.785	0.021	0.000688	mg/L
Tl	203	2808.501	0.007	0.000215	mg/L
Tl	205	6838.710	0.018	0.000211	mg/L
Pb	208	4600570.719	12.382	0.107628	mg/L
Bi	209	371539.521	371539.521		mg/L

: 00608

Sample Information

Sample ID: 1001177-01
Autosampler Position: 22
Sample Date/Time: Monday, January 25, 2010 11:38:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-01.022
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	250353.393	250353.393				mg/L
	Be	9	109.002	0.000	0.000398	0.000	3.066	mg/L
	V	51	306355.425	0.665	0.016589	0.000	2.394	mg/L
	Cr	52	196695.209	0.392	0.011408	0.000	2.711	mg/L
	Cr	53	24901.406	0.045	0.010839	0.000	3.867	mg/L
	Co	59	90095.988	0.199	0.004822	0.000	1.138	mg/L
	Cu	63	59603.045	0.131	0.006213	0.000	1.023	mg/L
	Cu	65	28963.551	0.064	0.006157	0.000	1.813	mg/L
	Zn	66	116121.599	0.256	0.039659	0.001	1.295	mg/L
	Zn	68	98797.621	0.214	0.041483	0.000	0.865	mg/L
>	Ge	72	451950.237	451950.237				mg/L
	As	75	26099.156	0.055	0.006240	0.000	0.662	mg/L
	Se	77	531.689	0.000	0.000690	0.000	8.535	mg/L
	Se	82	124.821	0.000	0.000265	0.000	54.805	mg/L
>	Rh	103	302973.154	302973.154				mg/L
	Ag	107	513.688	0.002	0.000029	0.000	1.716	mg/L
	Cd	111	983.147	0.003	0.000240	0.000	5.892	mg/L
	Cd	114	1253.397	0.004	0.000134	0.000	2.003	mg/L
	Tl	203	1504.818	0.004	0.000115	0.000	2.498	mg/L
	Tl	205	3506.773	0.009	0.000112	0.000	2.533	mg/L
	Pb	208	651759.749	1.773	0.015414	0.000	2.248	mg/L
>	Bi	209	367438.426	367438.426				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	104.170
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.553
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	104.789
	Ag	106.905	

: 00609

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.613

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	8	260970.920	260870.920		mg/L
Be	9	110.002	0.000	0.000385	mg/L
V	51	310168.482	0.683	0.017044	mg/L
Cr	52	199398.373	0.405	0.011785	mg/L
Cr	53	25424.861	0.047	0.011314	mg/L
Co	59	69651.556	0.201	0.004887	mg/L
Cu	63	58207.157	0.130	0.006155	mg/L
Cu	65	28263.129	0.063	0.006095	mg/L
Zn	66	112869.348	0.253	0.039108	mg/L
Zn	68	98131.380	0.218	0.041808	mg/L
Ge	72	445488.455	445488.455		mg/L
As	75	25726.258	0.055	0.006241	mg/L
Se	77	512.021	0.000	0.000652	mg/L
Se	82	93.845	0.000	0.000199	mg/L
Rh	103	305948.054	305949.054		mg/L
Ag	107	510.021	0.002	0.000029	mg/L
Cd	111	987.244	0.003	0.000233	mg/L
Cd	114	1285.643	0.004	0.000134	mg/L
Tl	203	1483.147	0.004	0.000112	mg/L
Tl	205	3453.750	0.009	0.000108	mg/L
Pb	208	842545.083	1.727	0.015013	mg/L
Bi	209	371834.242	371834.242		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	8	241798.200	241798.200		mg/L
Be	9	108.002	0.000	0.000409	mg/L
V	51	300728.351	0.654	0.016317	mg/L
Cr	52	193584.129	0.387	0.011235	mg/L
Cr	53	24556.373	0.044	0.010883	mg/L
Co	59	90176.178	0.260	0.004838	mg/L
Cu	63	60089.537	0.133	0.006281	mg/L
Cu	65	29482.390	0.065	0.006266	mg/L
Zn	66	117173.186	0.259	0.040124	mg/L
Zn	68	97852.802	0.212	0.041097	mg/L
Ge	72	450812.142	450812.142		mg/L
As	75	25887.875	0.055	0.006189	mg/L
Se	77	552.024	0.001	0.000758	mg/L
Se	82	80.047	0.000	0.000165	mg/L
Rh	103	306834.743	306834.743		mg/L
Ag	107	510.021	0.002	0.000029	mg/L
Cd	111	1040.755	0.003	0.000256	mg/L
Cd	114	1268.390	0.004	0.000137	mg/L
Tl	203	1496.150	0.004	0.000118	mg/L
Tl	205	3554.794	0.010	0.000114	mg/L
Pb	208	654755.280	1.798	0.015615	mg/L
Bi	209	384308.483	384308.483		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	8	248291.058	248291.058		mg/L
Be	9	109.002	0.000	0.000401	mg/L
V	51	308171.431	0.657	0.016405	mg/L
Cr	52	197122.124	0.386	0.011223	mg/L
Cr	53	24722.868	0.043	0.010520	mg/L
Co	59	90480.232	0.197	0.004781	mg/L
Cu	63	60502.441	0.131	0.006202	mg/L
Cu	65	29135.133	0.063	0.006091	mg/L
Zn	66	118322.263	0.257	0.039747	mg/L
Zn	68	100606.682	0.214	0.041547	mg/L
Ge	72	459540.114	459540.114		mg/L
As	75	26703.334	0.055	0.006282	mg/L
Se	77	531.022	0.000	0.000860	mg/L
Se	82	200.570	0.000	0.000432	mg/L
Rh	103	302335.685	302335.685		mg/L
Ag	107	521.021	0.002	0.000030	mg/L
Cd	111	341.442	0.003	0.000230	mg/L
Cd	114	1226.158	0.004	0.000131	mg/L
Tl	203	1533.156	0.004	0.000118	mg/L
Tl	205	3511.775	0.009	0.000112	mg/L
Pb	208	657878.895	1.798	0.015812	mg/L
Bi	209	368172.574	368172.574		mg/L

Sample Information

Sample ID: 1001177-02
Autosampler Position: 23
Sample Date/Time: Monday, January 25, 2010 11:41:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-02.023
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	253085.390	253085.390				mg/L
	Be	9	146.336	0.001	0.000533	0.000	1.813	mg/L
	V	51	460232.370	1.004	0.025051	0.000	0.570	mg/L
	Cr	52	282274.317	0.581	0.016887	0.000	0.801	mg/L
	Cr	53	35314.354	0.068	0.016401	0.000	0.579	mg/L
	Co	59	132706.049	0.293	0.007095	0.000	1.285	mg/L
	Cu	63	125369.609	0.276	0.013088	0.000	0.542	mg/L
	Cu	65	62209.299	0.137	0.013252	0.000	0.955	mg/L
	Zn	66	156780.531	0.346	0.053528	0.001	1.692	mg/L
	Zn	68	137257.896	0.299	0.057908	0.000	0.851	mg/L
>	Ge	72	452523.287	452523.287				mg/L
	As	75	36386.972	0.078	0.008812	0.000	1.739	mg/L
	Se	77	553.357	0.001	0.000755	0.000	18.789	mg/L
	Se	82	70.787	0.000	0.000143	0.000	72.006	mg/L
>	Rh	103	295455.490	295455.490				mg/L
	Ag	107	751.708	0.002	0.000044	0.000	2.711	mg/L
	Cd	111	1355.416	0.005	0.000340	0.000	6.939	mg/L
	Cd	114	1647.214	0.006	0.000181	0.000	4.966	mg/L
	Tl	203	1884.232	0.005	0.000147	0.000	3.163	mg/L
	Tl	205	4583.640	0.013	0.000149	0.000	4.270	mg/L
	Pb	208	638192.404	1.764	0.015331	0.000	2.446	mg/L
>	Bi	209	361814.285	361814.285				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	105.307
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.683
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.188
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.058

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	259877.428	259877.428		mg/L
Be	9	153.003	0.001	0.000544	mg/L
V	51	462290.778	1.008	0.025145	mg/L
Cr	52	281164.278	0.578	0.016802	mg/L
Cr	53	35166.385	0.067	0.016307	mg/L
Co	59	131051.734	0.289	0.007002	mg/L
Cu	63	124736.800	0.275	0.013012	mg/L
Cu	65	61722.350	0.136	0.013138	mg/L
Zn	66	153870.080	0.338	0.052492	mg/L
Zn	68	136064.162	0.298	0.057352	mg/L
Ge	72	452864.051	452864.051		mg/L
As	75	35758.587	0.078	0.008648	mg/L
Se	77	540.073	0.001	0.000712	mg/L
Se	82	107.528	0.000	0.000227	mg/L
Rh	103	292060.686	292060.686		mg/L
Ag	107	748.041	0.003	0.000044	mg/L
Cd	111	1421.817	0.005	0.000361	mg/L
Cd	114	1581.950	0.005	0.000177	mg/L
Tl	203	1851.224	0.005	0.000142	mg/L
Tl	205	4478.248	0.012	0.000143	mg/L
Pb	208	637848.711	1.730	0.015036	mg/L
Bi	209	368566.753	368566.753		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	250080.707	250080.707		mg/L
Be	9	144.003	0.001	0.000531	mg/L
V	51	457820.874	0.997	0.024887	mg/L
Cr	52	281519.982	0.579	0.016818	mg/L
Cr	53	35353.185	0.068	0.016398	mg/L
Co	59	132978.682	0.293	0.007101	mg/L
Cu	63	126141.786	0.278	0.013153	mg/L
Cu	65	62183.768	0.137	0.013230	mg/L
Zn	66	156134.882	0.348	0.053924	mg/L
Zn	68	138329.018	0.301	0.058283	mg/L
Ge	72	453084.568	453084.568		mg/L
As	75	36535.261	0.078	0.008838	mg/L
Se	77	517.021	0.000	0.000840	mg/L
Se	82	84.531	0.000	0.000174	mg/L
Rh	103	293448.199	293448.199		mg/L
Ag	107	765.043	0.003	0.000045	mg/L
Cd	111	1246.072	0.004	0.000314	mg/L
Cd	114	1728.699	0.006	0.000192	mg/L
Tl	203	1934.244	0.005	0.000150	mg/L
Tl	205	4825.330	0.013	0.000149	mg/L
Pb	208	639312.089	1.749	0.015204	mg/L
Bi	209	365321.403	365321.403		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	249468.034	249468.034		mg/L
Be	9	142.003	0.001	0.000525	mg/L
V	51	460585.458	1.007	0.025121	mg/L
Cr	52	284138.682	0.588	0.017043	mg/L
Cr	53	35423.483	0.068	0.016487	mg/L
Co	59	134068.520	0.297	0.007184	mg/L
Cu	63	125230.181	0.277	0.013100	mg/L
Cu	65	62721.781	0.138	0.013388	mg/L
Zn	66	158338.642	0.350	0.054109	mg/L
Zn	68	137380.509	0.300	0.058078	mg/L
Ge	72	451621.242	451621.242		mg/L
As	75	36887.068	0.079	0.008951	mg/L
Se	77	603.028	0.001	0.000914	mg/L
Se	82	20.303	0.000	0.000028	mg/L
Rh	103	300857.574	300857.574		mg/L
Ag	107	744.041	0.002	0.000043	mg/L
Cd	111	1396.358	0.005	0.000345	mg/L
Cd	114	1620.994	0.005	0.000175	mg/L
Tl	203	1887.228	0.005	0.000150	mg/L
Tl	205	4647.342	0.013	0.000156	mg/L
Pb	208	637416.412	1.812	0.015753	mg/L
Bi	209	351554.701	351554.701		mg/L

Sample Information

Sample ID: 1001177-03
Autosampler Position: 24
Sample Date/Time: Monday, January 25, 2010 11:45:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-03.024
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	257758.165	257758.165				mg/L
	Be	9	153.670	0.001	0.000550	0.000	2.559	mg/L
	V	51	525441.390	1.144	0.028560	0.001	2.003	mg/L
	Cr	52	319530.816	0.661	0.019222	0.001	3.464	mg/L
	Cr	53	39184.635	0.076	0.018413	0.000	2.600	mg/L
	Co	59	156438.223	0.344	0.008340	0.000	2.864	mg/L
	Cu	63	137507.122	0.302	0.014312	0.000	0.676	mg/L
	Cu	65	67384.413	0.148	0.014313	0.000	2.300	mg/L
	Zn	66	168031.842	0.369	0.057203	0.001	2.329	mg/L
	Zn	68	146862.536	0.319	0.061819	0.001	1.947	mg/L
>	Ge	72	454003.974	454003.974				mg/L
	As	75	36307.522	0.077	0.008763	0.000	0.426	mg/L
	Se	77	588.360	0.001	0.000858	0.000	12.165	mg/L
	Se	82	64.346	0.000	0.000128	0.000	59.689	mg/L
>	Rh	103	296355.595	296355.595				mg/L
	Ag	107	826.049	0.003	0.000049	0.000	3.596	mg/L
	Cd	111	1572.107	0.005	0.000394	0.000	3.370	mg/L
	Cd	114	1633.437	0.005	0.000179	0.000	3.953	mg/L
	Tl	203	2057.275	0.006	0.000164	0.000	1.707	mg/L
	Tl	205	4873.140	0.014	0.000162	0.000	2.896	mg/L
	Pb	208	715791.702	2.015	0.017512	0.000	2.460	mg/L
>	Bi	209	355241.159	355241.159				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	107.251
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.019
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.500
	Ag	106.905	

: 00613

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.240

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	284494.472	284494.472		mg/L
Be	9	158.003	0.001	0.000555	mg/L
V	51	524308.272	1.168	0.029182	mg/L
Cr	52	324051.578	0.688	0.019965	mg/L
Cr	53	18308.885	0.078	0.018962	mg/L
Co	59	156847.142	0.353	0.008544	mg/L
Cu	63	135089.181	0.304	0.014365	mg/L
Cu	65	67068.822	0.151	0.014579	mg/L
Zn	66	167815.574	0.377	0.058380	mg/L
Zn	68	144135.240	0.320	0.062066	mg/L
Ge	72	443673.855	443673.855		mg/L
As	75	35579.610	0.077	0.008787	mg/L
Se	77	572.025	0.001	0.000849	mg/L
Se	82	59.355	0.000	0.000120	mg/L
Rh	103	292342.320	292342.320		mg/L
Ag	107	835.050	0.003	0.000050	mg/L
Cd	111	1586.828	0.005	0.000403	mg/L
Cd	114	1648.198	0.006	0.000183	mg/L
Tl	203	2107.287	0.008	0.000165	mg/L
Tl	205	4802.431	0.013	0.000158	mg/L
Pb	208	708302.825	1.959	0.017028	mg/L
Bi	209	381919.657	381919.657		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	255043.520	255043.520		mg/L
Be	9	195.003	0.001	0.000681	mg/L
V	51	528144.238	1.142	0.028498	mg/L
Cr	52	317752.792	0.651	0.018917	mg/L
Cr	53	18137.078	0.075	0.018194	mg/L
Co	59	159037.813	0.347	0.008401	mg/L
Cu	63	137686.686	0.300	0.014203	mg/L
Cu	65	66763.084	0.144	0.013945	mg/L
Zn	66	165308.141	0.360	0.055756	mg/L
Zn	68	145086.545	0.312	0.060504	mg/L
Ge	72	458108.467	458108.467		mg/L
As	75	36710.527	0.077	0.008781	mg/L
Se	77	629.030	0.001	0.000987	mg/L
Se	82	100.510	0.000	0.000208	mg/L
Rh	103	299147.622	299147.622		mg/L
Ag	107	847.052	0.003	0.000049	mg/L
Cd	111	1611.235	0.005	0.000400	mg/L
Cd	114	1574.687	0.005	0.000171	mg/L
Tl	203	2068.277	0.008	0.000168	mg/L
Tl	205	4902.491	0.014	0.000164	mg/L
Pb	208	715361.584	2.031	0.017653	mg/L
Bi	209	352097.934	352097.934		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	253736.504	253736.504		mg/L
Be	9	147.003	0.001	0.000534	mg/L
V	51	522871.658	1.123	0.028023	mg/L
Cr	52	318788.078	0.645	0.018783	mg/L
Cr	53	19107.941	0.075	0.018083	mg/L
Co	59	153629.713	0.334	0.008077	mg/L
Cu	63	139755.538	0.303	0.014348	mg/L
Cu	65	68803.553	0.149	0.014414	mg/L
Zn	66	171171.810	0.371	0.057472	mg/L
Zn	68	151365.824	0.324	0.062868	mg/L
Ge	72	460228.598	460228.598		mg/L
As	75	36832.429	0.077	0.008720	mg/L
Se	77	584.025	0.001	0.000759	mg/L
Se	82	33.172	0.000	0.000058	mg/L
Rh	103	297578.843	297578.843		mg/L
Ag	107	798.048	0.003	0.000047	mg/L
Cd	111	1518.257	0.005	0.000378	mg/L
Cd	114	1677.444	0.006	0.000183	mg/L
Tl	203	1998.260	0.008	0.000161	mg/L
Tl	205	4914.498	0.014	0.000165	mg/L
Pb	208	722710.917	2.054	0.017854	mg/L
Bi	209	351705.685	351705.685		mg/L

Sample Information

Sample ID: 1001177-04
Autosampler Position: 25
Sample Date/Time: Monday, January 25, 2010 11:48:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-04.025
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	249141.312	249141.312				mg/L
	Be	9	63.668	0.000	0.000228	0.000	6.599	mg/L
	V	51	310916.799	0.726	0.018127	0.001	3.773	mg/L
	Cr	52	219116.884	0.478	0.013906	0.000	3.170	mg/L
	Cr	53	26937.098	0.054	0.013015	0.000	3.095	mg/L
	Co	59	117691.841	0.280	0.006775	0.000	0.672	mg/L
	Cu	63	114259.018	0.271	0.012841	0.000	1.493	mg/L
	Cu	65	58702.711	0.139	0.013463	0.000	2.103	mg/L
	Zn	66	87495.734	0.207	0.032106	0.001	2.340	mg/L
	Zn	68	70324.898	0.163	0.031538	0.000	0.814	mg/L
>	Ge	72	420312.783	420312.783				mg/L
	As	75	26710.715	0.061	0.006898	0.000	1.719	mg/L
	Se	77	500.020	0.001	0.000708	0.000	11.311	mg/L
	Se	82	85.831	0.000	0.000193	0.000	46.672	mg/L
>	Rh	103	276380.696	276380.696				mg/L
	Ag	107	749.041	0.003	0.000047	0.000	8.446	mg/L
	Cd	111	1416.034	0.005	0.000380	0.000	4.491	mg/L
	Cd	114	949.492	0.003	0.000111	0.000	3.259	mg/L
	Tl	203	1982.589	0.006	0.000163	0.000	3.679	mg/L
	Tl	205	4647.676	0.013	0.000159	0.000	3.143	mg/L
	Pb	208	263657.790	0.765	0.006651	0.000	0.866	mg/L
>	Bi	209	344180.683	344180.683				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	103.666
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	95.374
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	95.591
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

95.182

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	755295.052	755295.052		mg/L
Be	9	65.001	0.000	0.000227	mg/L
V	51	324186.298	0.753	0.018795	mg/L
Cr	52	227486.438	0.495	0.014188	mg/L
Cr	53	27918.972	0.056	0.013480	mg/L
Co	59	118540.331	0.280	0.006780	mg/L
Cu	63	116473.472	0.275	0.013007	mg/L
Cu	65	59173.940	0.139	0.013484	mg/L
Zn	66	90394.525	0.213	0.032983	mg/L
Zn	68	71365.984	0.164	0.031807	mg/L
Ge	72	423034.840	423034.840		mg/L
As	75	27301.278	0.082	0.007011	mg/L
Se	77	530.022	0.001	0.000798	mg/L
Se	82	57.678	0.000	0.000122	mg/L
Rh	103	278181.972	278161.972		mg/L
Ag	107	882.035	0.002	0.000043	mg/L
Cd	111	1497.648	0.005	0.000400	mg/L
Cd	114	948.018	0.003	0.000110	mg/L
Tl	203	1913.238	0.005	0.000156	mg/L
Tl	205	4512.288	0.013	0.000153	mg/L
Pb	208	283022.547	0.758	0.006580	mg/L
Bi	209	346541.070	346541.070		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	245880.778	245880.778		mg/L
Be	9	58.001	0.000	0.000213	mg/L
V	51	311681.870	0.728	0.018158	mg/L
Cr	52	217846.401	0.475	0.013614	mg/L
Cr	53	26538.456	0.053	0.012773	mg/L
Co	59	116535.280	0.282	0.006817	mg/L
Cu	63	114739.650	0.272	0.012885	mg/L
Cu	65	58932.338	0.142	0.013734	mg/L
Zn	66	66718.738	0.205	0.031795	mg/L
Zn	68	70372.188	0.183	0.031509	mg/L
Ge	72	420678.935	420678.935		mg/L
As	75	26773.504	0.061	0.006910	mg/L
Se	77	481.019	0.000	0.000643	mg/L
Se	82	73.475	0.000	0.000162	mg/L
Rh	103	273587.158	273587.158		mg/L
Ag	107	778.044	0.003	0.000050	mg/L
Cd	111	1358.291	0.005	0.000368	mg/L
Cd	114	973.265	0.004	0.000115	mg/L
Tl	203	2014.284	0.008	0.000168	mg/L
Tl	205	4718.383	0.014	0.000162	mg/L
Pb	208	283475.577	0.758	0.006680	mg/L
Bi	209	343473.694	343473.694		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	246468.108	246468.108		mg/L
Be	9	67.001	0.000	0.000243	mg/L
V	51	296882.728	0.698	0.017428	mg/L
Cr	52	211917.611	0.465	0.013519	mg/L
Cr	53	26352.888	0.053	0.012792	mg/L
Co	59	115999.931	0.278	0.006727	mg/L
Cu	63	111583.933	0.267	0.012631	mg/L
Cu	65	57001.856	0.136	0.013109	mg/L
Zn	66	65373.943	0.204	0.031560	mg/L
Zn	68	69286.535	0.181	0.031298	mg/L
Ge	72	417224.572	417224.572		mg/L
As	75	26057.388	0.060	0.006775	mg/L
Se	77	489.019	0.000	0.000684	mg/L
Se	82	126.342	0.000	0.000284	mg/L
Rh	103	277392.957	277392.957		mg/L
Ag	107	787.045	0.003	0.000049	mg/L
Cd	111	1382.182	0.005	0.000372	mg/L
Cd	114	927.198	0.003	0.000108	mg/L
Tl	203	2020.285	0.008	0.000167	mg/L
Tl	205	4712.378	0.014	0.000162	mg/L
Pb	208	284475.245	0.771	0.006704	mg/L
Bi	209	342527.085	342527.085		mg/L

:00615

Sample Information

Sample ID: 1001177-05
Autosampler Position: 26
Sample Date/Time: Monday, January 25, 2010 11:51:45
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-05.026
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	245072.201	245072.201				mg/L
	Be	9	358.345	0.001	0.001371	0.000	3.557	mg/L
	V	51	447595.279	0.985	0.024581	0.000	1.933	mg/L
	Cr	52	288074.403	0.600	0.017428	0.000	2.286	mg/L
	Cr	53	34985.992	0.068	0.016399	0.001	3.701	mg/L
	Co	59	165131.055	0.368	0.008912	0.000	1.691	mg/L
	Cu	63	444393.593	0.990	0.046908	0.001	2.583	mg/L
	Cu	65	215553.889	0.480	0.046439	0.001	2.842	mg/L
	Zn	66	251703.071	0.560	0.086809	0.002	2.217	mg/L
	Zn	68	218557.683	0.483	0.083601	0.002	1.834	mg/L
>	Ge	72	448450.185	448450.185				mg/L
	As	75	62785.317	0.137	0.015575	0.000	1.503	mg/L
	Se	77	681.035	0.001	0.001173	0.000	11.508	mg/L
	Se	82	276.364	0.001	0.000618	0.000	13.674	mg/L
>	Rh	103	308757.820	308757.820				mg/L
	Ag	107	1802.880	0.006	0.000103	0.000	3.065	mg/L
	Cd	111	2736.120	0.009	0.000660	0.000	1.002	mg/L
	Cd	114	3287.705	0.011	0.000348	0.000	3.977	mg/L
	Tl	203	3467.423	0.009	0.000259	0.000	2.183	mg/L
	Tl	205	8420.671	0.022	0.000261	0.000	1.681	mg/L
	Pb	208	3631147.357	9.524	0.082789	0.001	1.214	mg/L
>	Bi	209	381255.040	381255.040				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.972
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.759
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	106.789
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

105.434

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	246327.024	246327.024		mg/L
Be	9	347.011	0.001	0.001320	mg/L
V	51	441332.074	0.968	0.024148	mg/L
Cr	52	281984.647	0.584	0.016972	mg/L
Cr	53	34744.627	0.087	0.018202	mg/L
Co	59	164424.915	0.365	0.008843	mg/L
Cu	63	449112.984	0.997	0.047240	mg/L
Cu	65	214238.088	0.478	0.045891	mg/L
Zn	66	247417.840	0.549	0.085033	mg/L
Zn	68	215685.187	0.475	0.092029	mg/L
Ge	72	449954.600	449954.600		mg/L
As	75	67010.729	0.135	0.015325	mg/L
Se	77	732.038	0.001	0.001325	mg/L
Se	82	314.472	0.001	0.000703	mg/L
Rh	103	315308.505	315308.505		mg/L
Ag	107	1776.207	0.008	0.000099	mg/L
Cd	111	2795.541	0.009	0.000680	mg/L
Cd	114	3222.164	0.010	0.000334	mg/L
Tl	203	3405.730	0.009	0.000254	mg/L
Tl	205	8287.201	0.022	0.000257	mg/L
Pb	208	3598748.548	9.417	0.081858	mg/L
Bi	209	382117.191	382117.191		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	244078.207	244078.207		mg/L
Be	9	358.011	0.001	0.001375	mg/L
V	51	450188.203	0.982	0.024508	mg/L
Cr	52	294988.571	0.609	0.017711	mg/L
Cr	53	34387.187	0.086	0.015918	mg/L
Co	59	164845.203	0.364	0.008808	mg/L
Cu	63	435505.351	0.962	0.045565	mg/L
Cu	65	212616.275	0.470	0.045401	mg/L
Zn	66	753142.847	0.558	0.086542	mg/L
Zn	68	219875.105	0.481	0.093341	mg/L
Ge	72	452351.291	452351.291		mg/L
As	75	63473.008	0.138	0.015609	mg/L
Se	77	654.032	0.001	0.001070	mg/L
Se	82	242.101	0.001	0.000534	mg/L
Rh	103	302272.432	302272.432		mg/L
Ag	107	1805.214	0.008	0.000105	mg/L
Cd	111	2704.944	0.009	0.000666	mg/L
Cd	114	3343.272	0.011	0.000361	mg/L
Tl	203	3501.771	0.008	0.000259	mg/L
Tl	205	8653.578	0.022	0.000265	mg/L
Pb	208	3670783.444	9.508	0.082853	mg/L
Bi	209	386018.028	386018.028		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	244813.371	244813.371		mg/L
Be	9	370.012	0.001	0.001417	mg/L
V	51	451285.561	1.005	0.025069	mg/L
Cr	52	287228.991	0.605	0.017599	mg/L
Cr	53	35816.160	0.070	0.017080	mg/L
Co	59	166323.048	0.375	0.009085	mg/L
Cu	63	448562.485	1.012	0.047919	mg/L
Cu	65	219806.325	0.496	0.047924	mg/L
Zn	66	754548.727	0.574	0.088854	mg/L
Zn	68	220132.777	0.492	0.095434	mg/L
Ge	72	443044.684	443044.684		mg/L
As	75	62872.211	0.139	0.015790	mg/L
Se	77	657.032	0.001	0.001122	mg/L
Se	82	272.520	0.001	0.000617	mg/L
Rh	103	308692.525	308692.525		mg/L
Ag	107	1825.218	0.008	0.000104	mg/L
Cd	111	2707.874	0.009	0.000653	mg/L
Cd	114	3297.879	0.011	0.000348	mg/L
Tl	203	3494.766	0.008	0.000265	mg/L
Tl	205	8322.237	0.022	0.000282	mg/L
Pb	208	3623910.077	9.647	0.083455	mg/L
Bi	209	375628.903	375628.903		mg/L

Sample Information

Sample ID: 0A25028-CCV 3
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 11:55:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCV.027
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	228485.277	228485.277				mg/L
	Be	9	9325.309	0.041	0.038654	0.001	2.716	mg/L
	V	51	652717.191	1.538	0.038393	0.000	1.069	mg/L
	Cr	52	592092.142	1.365	0.039669	0.000	0.915	mg/L
	Cr	53	73226.722	0.164	0.039711	0.001	1.713	mg/L
	Co	59	699507.927	1.663	0.040270	0.001	2.075	mg/L
	Cu	63	350814.487	0.834	0.039485	0.001	3.268	mg/L
	Cu	65	172160.237	0.409	0.039543	0.001	2.399	mg/L
	Zn	66	108236.806	0.257	0.039733	0.001	2.072	mg/L
	Zn	68	88806.313	0.207	0.040042	0.001	2.099	mg/L
>	Ge	72	420617.018	420617.018				mg/L
	As	75	153925.873	0.363	0.041215	0.000	0.972	mg/L
	Se	77	11949.347	0.028	0.039126	0.001	2.025	mg/L
	Se	82	15775.503	0.037	0.038721	0.001	2.907	mg/L
>	Rh	103	298176.866	298176.866				mg/L
	Ag	107	667737.551	2.239	0.039747	0.000	0.428	mg/L
	Cd	111	155130.699	0.520	0.038924	0.000	0.523	mg/L
	Cd	114	361962.436	1.214	0.039879	0.001	2.489	mg/L
	Tl	203	502713.543	1.441	0.041486	0.001	2.227	mg/L
	Tl	205	1189635.157	3.411	0.040670	0.001	2.970	mg/L
	Pb	208	1602241.171	4.593	0.039927	0.001	2.453	mg/L
>	Bi	209	348905.547	348905.547				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.071
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	95.443
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.130
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.488

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	235385 402	235385 402		mg/L
Be	9	9364 352	0 040	0 037664	mg/L
V	51	983153 840	1 553	0 038747	mg/L
Cr	52	801182 754	1 377	0 040017	mg/L
Cr	53	73107 008	0 162	0 039344	mg/L
Co	59	710272 823	1 877	0 040801	mg/L
Cu	63	345788 780	0 818	0 038636	mg/L
Cu	65	171298 372	0 404	0 038082	mg/L
Zn	66	108017 538	0 257	0 039735	mg/L
Zn	68	87534 086	0 203	0 039187	mg/L
Ge	72	423520 610	423520 610		mg/L
As	75	153812 480	0 360	0 040886	mg/L
Se	77	11958 684	0 028	0 038872	mg/L
Se	82	15464 156	0 036	0 037881	mg/L
Rh	103	2960026 035	2960026 035		mg/L
Ag	107	1480323 829	2 231	0 039582	mg/L
Cd	111	154081 001	0 520	0 038836	mg/L
Cd	114	363074 038	1 226	0 040290	mg/L
Tl	203	1902567 284	1 430	0 041173	mg/L
Tl	205	1175781 640	1 428	0 040871	mg/L
Pb	208	1595861 234	4 653	0 040443	mg/L
Bi	209	342981 207	342981 207		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	225659 641	225659 641		mg/L
Be	9	9475 479	0 042	0 038755	mg/L
V	51	863658 438	1 542	0 038469	mg/L
Cr	52	601231 388	1 388	0 039687	mg/L
Cr	53	77581 244	0 182	0 039293	mg/L
Co	59	683267 212	1 624	0 039320	mg/L
Cu	63	350421 424	0 820	0 038846	mg/L
Cu	65	172080 849	0 403	0 038830	mg/L
Zn	66	107586 230	0 251	0 038908	mg/L
Zn	68	84301 523	0 207	0 040118	mg/L
Ge	72	426861 292	426861 292		mg/L
As	75	155737 616	0 362	0 041086	mg/L
Se	77	11937 884	0 027	0 038481	mg/L
Se	82	15084 284	0 037	0 038801	mg/L
Rh	103	298218 088	298218 088		mg/L
Ag	107	668808 880	2 238	0 039720	mg/L
Cd	111	158480 968	0 523	0 038121	mg/L
Cd	114	369803 088	1 236	0 040588	mg/L
Tl	203	508808 802	1 416	0 040758	mg/L
Tl	205	1166869 829	3 302	0 039374	mg/L
Pb	208	1604514 184	4 463	0 038798	mg/L
Bi	209	358414 838	358414 838		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	224414 788	224414 788		mg/L
Be	9	9136 087	0 041	0 036543	mg/L
V	51	831043 295	1 520	0 037843	mg/L
Cr	52	573862 274	1 352	0 039293	mg/L
Cr	53	72981 915	0 167	0 040488	mg/L
Co	59	694883 749	1 589	0 040880	mg/L
Cu	63	354233 278	0 865	0 040970	mg/L
Cu	65	173131 488	0 420	0 040635	mg/L
Zn	66	106088 849	0 262	0 040658	mg/L
Zn	68	86583 318	0 211	0 040843	mg/L
Ge	72	411478 154	411478 154		mg/L
As	75	152227 524	0 387	0 041644	mg/L
Se	77	11951 684	0 028	0 040014	mg/L
Se	82	14806 081	0 038	0 039903	mg/L
Rh	103	299286 478	299286 478		mg/L
Ag	107	671279 744	2 250	0 039929	mg/L
Cd	111	154670 127	0 517	0 038714	mg/L
Cd	114	353010 708	1 179	0 038747	mg/L
Tl	203	548884 543	1 477	0 042528	mg/L
Tl	205	1208154 003	3 503	0 041764	mg/L
Pb	208	1648258 088	4 664	0 040543	mg/L
Bi	209	344320 788	344320 788		mg/L

Sample Information

Sample ID: 0A25028-CCB 3
Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 11:58:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCB.028
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	232408.318	232408.318				mg/L
	Be	9	4.667	0.000	0.000005	0.000	54.182	mg/L
	V	51	5920.167	0.001	0.000032	0.000	139.032	mg/L
	Cr	52	19371.029	0.005	0.000141	0.000	56.407	mg/L
	Cr	53	4326.834	0.000	0.000050	0.000	71.238	mg/L
	Co	59	126.336	0.000	0.000002	0.000	43.269	mg/L
	Cu	63	330.010	0.000	0.000005	0.000	53.172	mg/L
	Cu	65	183.004	0.000	0.000005	0.000	56.499	mg/L
	Zn	66	313.009	-0.000	-0.000013	0.000	60.397	mg/L
	Zn	68	1917.240	0.000	0.000012	0.000	86.906	mg/L
>	Ge	72	406733.566	406733.566				mg/L
	As	75	1254.011	0.000	0.000038	0.000	34.256	mg/L
	Se	77	310.676	0.000	0.000107	0.000	62.160	mg/L
	Se	82	-7.682	-0.000	-0.000039	0.000	197.270	mg/L
>	Rh	103	298207.803	298207.803				mg/L
	Ag	107	267.674	0.001	0.000015	0.000	34.505	mg/L
	Cd	111	15.686	0.000	0.000001	0.000	170.794	mg/L
	Cd	114	31.096	0.000	0.000002	0.000	132.082	mg/L
	Tl	203	65.668	0.000	0.000003	0.000	45.316	mg/L
	Tl	205	166.337	0.000	0.000004	0.000	26.923	mg/L
	Pb	208	505.678	0.001	0.000005	0.000	29.048	mg/L
>	Bi	209	339206.466	339206.466				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.703
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	92.293
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.140
	Ag	106.905	

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	93.806

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	231537.795	231537.795		mg/L
Be	9	5.000	0.000	0.000008	mg/L
V	51	5747.810	0.001	0.000016	mg/L
Cr	52	19462.873	0.004	0.000127	mg/L
Cr	53	4451.233	0.000	0.000080	mg/L
Co	59	148.003	0.000	0.000004	mg/L
Cu	63	342.010	0.000	0.000008	mg/L
Cu	65	188.004	0.000	0.000005	mg/L
Zn	66	307.008	0.000	0.000017	mg/L
Zn	68	7858.249	0.000	0.000018	mg/L
Ge	72	412017.819	412017.819		mg/L
As	75	1215.740	0.000	0.000023	mg/L
Se	77	137.010	0.000	0.000184	mg/L
Se	82	-7.807	0.000	0.000036	mg/L
Rh	103	284406.088	284406.088		mg/L
Ag	107	357.011	0.001	0.000021	mg/L
Cd	111	18.877	0.000	0.000002	mg/L
Cd	114	48.688	0.000	0.000004	mg/L
Tl	203	62.001	0.000	0.000003	mg/L
Tl	205	198.004	0.000	0.000005	mg/L
Pb	208	582.013	0.001	0.000007	mg/L
Bi	209	332913.938	332913.938		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	234370.378	234370.378		mg/L
Be	9	4.000	0.000	0.000002	mg/L
V	51	6544.883	0.003	0.000083	mg/L
Cr	52	19822.888	0.008	0.000278	mg/L
Cr	53	4188.083	0.000	0.000036	mg/L
Co	59	111.002	0.000	0.000002	mg/L
Cu	63	336.010	0.000	0.000007	mg/L
Cu	65	168.004	0.000	0.000005	mg/L
Zn	66	328.010	0.000	0.000004	mg/L
Zn	68	1868.238	0.000	0.000018	mg/L
Ge	72	393707.558	393707.558		mg/L
As	75	1242.214	0.000	0.000046	mg/L
Se	77	281.008	0.000	0.000073	mg/L
Se	82	-37.670	0.000	0.000117	mg/L
Rh	103	297587.518	297587.518		mg/L
Ag	107	254.008	0.001	0.000014	mg/L
Cd	111	10.334	0.000	0.000001	mg/L
Cd	114	12.868	0.000	0.000002	mg/L
Tl	203	63.001	0.000	0.000003	mg/L
Tl	205	155.003	0.000	0.000004	mg/L
Pb	208	465.010	0.000	0.000004	mg/L
Bi	209	343870.788	343870.788		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	231318.781	231318.781		mg/L
Be	9	5.000	0.000	0.000008	mg/L
V	51	5467.708	0.000	0.000083	mg/L
Cr	52	18737.729	0.002	0.000089	mg/L
Cr	53	4363.186	0.000	0.000023	mg/L
Co	59	120.003	0.000	0.000003	mg/L
Cu	63	310.009	0.000	0.000002	mg/L
Cu	65	174.004	0.000	0.000002	mg/L
Zn	66	306.008	0.000	0.000018	mg/L
Zn	68	1927.242	0.000	0.000000	mg/L
Ge	72	414475.372	414475.372		mg/L
As	75	1304.078	0.000	0.000045	mg/L
Se	77	304.008	0.000	0.000085	mg/L
Se	82	22.431	0.000	0.000038	mg/L
Rh	103	302650.804	302650.804		mg/L
Ag	107	192.004	0.001	0.000010	mg/L
Cd	111	17.848	0.000	0.000001	mg/L
Cd	114	11.734	0.000	0.000001	mg/L
Tl	203	52.001	0.000	0.000002	mg/L
Tl	205	148.003	0.000	0.000003	mg/L
Pb	208	490.010	0.001	0.000005	mg/L
Bi	209	341034.688	341034.688		mg/L

Sample Information

Sample ID: 1000390-MS1
Autosampler Position: 27
Sample Date/Time: Monday, January 25, 2010 12:01:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000390-MS1.029
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	248045.095	248045.095				mg/L
	Be	9	9817.211	0.040	0.037470	0.000	0.122	mg/L
	V	51	1214278.048	2.680	0.066888	0.001	1.118	mg/L
	Cr	52	885732.184	1.922	0.055862	0.001	1.096	mg/L
	Cr	53	105582.411	0.224	0.054284	0.001	1.416	mg/L
	Co	59	834466.499	1.851	0.044812	0.000	0.773	mg/L
	Cu	63	833701.326	1.849	0.087552	0.001	0.586	mg/L
	Cu	65	408712.708	0.906	0.087605	0.001	0.869	mg/L
	Zn	66	381203.864	0.845	0.130829	0.001	0.404	mg/L
	Zn	68	320974.194	0.707	0.137135	0.002	1.333	mg/L
>	Ge	72	450830.152	450830.152				mg/L
	As	75	210935.720	0.465	0.052775	0.001	1.045	mg/L
	Se	77	11059.111	0.024	0.033643	0.000	1.322	mg/L
	Se	82	14545.237	0.032	0.033299	0.001	2.972	mg/L
>	Rh	103	302332.414	302332.414				mg/L
	Ag	107	605475.028	2.003	0.035554	0.001	2.974	mg/L
	Cd	111	143751.608	0.475	0.035573	0.000	0.184	mg/L
	Cd	114	325721.792	1.077	0.035397	0.001	2.098	mg/L
	Tl	203	455558.137	1.218	0.035063	0.000	1.140	mg/L
	Tl	205	1089185.782	2.912	0.034727	0.001	2.119	mg/L
	Pb	208	5040730.539	13.477	0.117149	0.002	1.872	mg/L
>	Bi	209	374031.001	374031.001				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	103.209
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.299
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	104.567
	Ag	106.905	

: 00623

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

103.436

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	248639.262	249839.262		mg/L
Be	9	9802.980	0.040	0.037511	mg/L
V	51	1198438.204	2.657	0.066303	mg/L
Cr	52	872385.140	1.898	0.055202	mg/L
Cr	53	108782.888	0.727	0.055138	mg/L
Co	59	836835.646	1.867	0.045208	mg/L
Cu	63	634535.800	1.857	0.087950	mg/L
Cu	65	411287.508	0.919	0.088471	mg/L
Zn	66	378779.676	0.845	0.130803	mg/L
Zn	68	314989.125	0.697	0.135049	mg/L
Ge	72	449236.356	449236.356		mg/L
As	75	207685.229	0.469	0.052138	mg/L
Se	77	10873.330	0.074	0.033498	mg/L
Se	82	14981.786	0.033	0.034441	mg/L
Rh	103	303873.683	303873.683		mg/L
Ag	107	584317.886	1.956	0.034702	mg/L
Cd	111	144773.036	0.476	0.035832	mg/L
Cd	114	321840.284	1.058	0.034783	mg/L
In	203	452285.880	1.207	0.034754	mg/L
Tl	205	1072412.588	2.863	0.034130	mg/L
Pb	208	4951191.268	13.216	0.114861	mg/L
Bi	209	374813.682	374813.682		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	245475.432	245475.432		mg/L
Be	9	8702.742	0.040	0.037421	mg/L
V	51	1210988.730	2.670	0.066831	mg/L
Cr	52	866338.229	1.928	0.055870	mg/L
Cr	53	105286.083	0.723	0.054087	mg/L
Co	59	830575.443	1.840	0.044588	mg/L
Cu	63	629088.847	1.836	0.086873	mg/L
Cu	65	407750.377	0.903	0.087304	mg/L
Zn	66	383180.858	0.848	0.131371	mg/L
Zn	68	323074.716	0.711	0.137483	mg/L
Ge	72	451313.208	451313.208		mg/L
As	75	212442.982	0.468	0.053088	mg/L
Se	77	11230.878	0.074	0.034142	mg/L
Se	82	14307.414	0.032	0.032717	mg/L
Rh	103	304872.198	304872.198		mg/L
Ag	107	605188.588	1.984	0.035222	mg/L
Cd	111	144721.784	0.474	0.035503	mg/L
Cd	114	326810.687	1.072	0.035213	mg/L
In	203	456326.887	1.215	0.034970	mg/L
Tl	205	1083007.713	2.883	0.034490	mg/L
Pb	208	5089175.987	13.486	0.117311	mg/L
Bi	209	377818.658	377818.658		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	248720.580	248720.580		mg/L
Be	9	9845.811	0.040	0.037478	mg/L
V	51	1232502.211	2.714	0.067731	mg/L
Cr	52	898484.183	1.941	0.056413	mg/L
Cr	53	104858.181	0.721	0.053847	mg/L
Co	59	833988.407	1.845	0.044678	mg/L
Cu	63	637488.533	1.852	0.087733	mg/L
Cu	65	407090.242	0.900	0.087041	mg/L
Zn	66	390640.662	0.841	0.130314	mg/L
Zn	68	324848.739	0.714	0.136481	mg/L
Ge	72	451940.885	451940.885		mg/L
As	75	212998.950	0.468	0.053088	mg/L
Se	77	10973.330	0.024	0.033280	mg/L
Se	82	14338.510	0.032	0.032736	mg/L
Rh	103	298081.381	298081.381		mg/L
Ag	107	618810.622	2.070	0.036737	mg/L
Cd	111	141756.884	0.476	0.035584	mg/L
Cd	114	328574.408	1.102	0.034214	mg/L
In	203	456082.634	1.234	0.035514	mg/L
Tl	205	1102137.063	2.981	0.035548	mg/L
Pb	208	5071824.381	13.719	0.119257	mg/L
Bi	209	369660.653	369660.653		mg/L

Sample Information

Sample ID: 1000390-MSD1
Autosampler Position: 28
Sample Date/Time: Monday, January 25, 2010 12:05:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000390-MSD1.030
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	251703.248	251703.248				mg/L
	Be	9	9917.666	0.039	0.037304	0.000	0.810	mg/L
	V	51	1171384.228	2.544	0.063481	0.002	2.802	mg/L
	Cr	52	895021.586	1.911	0.055542	0.002	2.898	mg/L
	Cr	53	107436.892	0.224	0.054356	0.001	2.471	mg/L
	Co	59	840761.612	1.835	0.044424	0.001	1.631	mg/L
	Cu	63	724258.151	1.580	0.074832	0.001	1.768	mg/L
	Cu	65	352215.127	0.768	0.074272	0.001	1.865	mg/L
	Zn	66	331732.705	0.723	0.111983	0.001	0.928	mg/L
	Zn	68	284783.312	0.617	0.119590	0.000	0.243	mg/L
>	Ge	72	458262.268	458262.268				mg/L
	As	75	198873.922	0.431	0.048937	0.001	1.874	mg/L
	Se	77	10971.995	0.023	0.032815	0.000	1.018	mg/L
	Se	82	14532.252	0.032	0.032726	0.000	0.781	mg/L
>	Rh	103	301528.328	301528.328				mg/L
	Ag	107	591272.438	1.961	0.034805	0.001	1.729	mg/L
	Cd	111	140939.735	0.467	0.034971	0.000	0.763	mg/L
	Cd	114	321245.188	1.065	0.035001	0.001	1.973	mg/L
	Tl	203	450417.154	1.239	0.035663	0.001	1.778	mg/L
	Tl	205	1082754.953	2.978	0.035505	0.000	1.166	mg/L
	Pb	208	4243010.461	11.669	0.101438	0.002	2.387	mg/L
>	Bi	209	363592.440	363592.440				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	104.732
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.985
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	104.289
	Ag	106.905	

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	100.550

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	257838.508	257838.508		mg/L
Be	9	10120.243	0.039	0.037188	mg/L
V	51	1168882.539	2.626	0.085532	mg/L
Cr	52	908888.889	1.975	0.057397	mg/L
Cr	53	108488.712	0.230	0.055800	mg/L
Co	59	640832.952	1.668	0.045184	mg/L
Cu	63	725145.648	1.608	0.076217	mg/L
Cu	65	351568.088	0.780	0.075423	mg/L
Zn	66	325825.808	0.723	0.111807	mg/L
Zn	68	280888.888	0.618	0.119815	mg/L
Ge	72	450417.841	450417.841		mg/L
As	75	198185.878	0.438	0.048484	mg/L
Se	77	10580.207	0.023	0.033114	mg/L
Se	82	14242.282	0.032	0.032633	mg/L
Rh	103	302223.711	302223.711		mg/L
Ag	107	580888.291	1.972	0.034113	mg/L
Cd	111	141218.110	0.487	0.034958	mg/L
Cd	114	320643.088	1.081	0.034852	mg/L
Tl	203	444863.284	1.714	0.034954	mg/L
Tl	205	1083718.334	2.958	0.035268	mg/L
Pb	206	4180856.220	11.411	0.098188	mg/L
Pb	208	3683490.088	3683490.088		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	248788.278	248788.278		mg/L
Be	9	9932.014	0.040	0.037847	mg/L
V	51	1162319.023	2.508	0.082564	mg/L
Cr	52	884948.287	1.878	0.054518	mg/L
Cr	53	108844.820	0.221	0.053710	mg/L
Co	59	644080.382	1.632	0.044347	mg/L
Cu	63	727871.824	1.577	0.074088	mg/L
Cu	65	347248.837	0.752	0.072735	mg/L
Zn	66	330844.784	0.717	0.110984	mg/L
Zn	68	288107.388	0.618	0.119353	mg/L
Ge	72	481283.113	481283.113		mg/L
As	75	200137.918	0.431	0.048818	mg/L
Se	77	10827.788	0.023	0.032484	mg/L
Se	82	14757.364	0.032	0.033018	mg/L
Rh	103	299314.457	299314.457		mg/L
Ag	107	583888.272	1.983	0.035205	mg/L
Cd	111	141002.288	0.471	0.035244	mg/L
Cd	114	325773.823	1.088	0.035754	mg/L
Tl	203	453618.852	1.257	0.036178	mg/L
Tl	205	1088884.781	3.018	0.035884	mg/L
Pb	206	4201188.248	11.633	0.101123	mg/L
Pb	208	361108.618	361108.618		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	247703.863	247703.863		mg/L
Be	9	9700.740	0.038	0.037077	mg/L
V	51	1163171.322	2.498	0.082358	mg/L
Cr	52	881419.610	1.583	0.054310	mg/L
Cr	53	108878.044	0.220	0.053458	mg/L
Co	59	638681.502	1.807	0.043741	mg/L
Cu	63	719754.861	1.554	0.073581	mg/L
Cu	65	357808.678	0.772	0.074858	mg/L
Zn	66	336437.548	0.730	0.113058	mg/L
Zn	68	287573.578	0.616	0.119503	mg/L
Ge	72	463078.049	463078.049		mg/L
As	75	197298.172	0.423	0.048030	mg/L
Se	77	11108.510	0.023	0.037878	mg/L
Se	82	14587.111	0.032	0.032531	mg/L
Rh	103	303046.816	303046.816		mg/L
Ag	107	588280.751	1.977	0.035088	mg/L
Cd	111	144800.810	0.484	0.034711	mg/L
Cd	114	317318.548	1.047	0.034387	mg/L
Tl	203	452582.348	1.246	0.035858	mg/L
Tl	205	1074854.744	2.958	0.035265	mg/L
Pb	206	4347178.918	11.964	0.104001	mg/L
Pb	208	363316.614	363316.614		mg/L

Sample Information

Sample ID: 0A25028-SRD1
Autosampler Position: 29
Sample Date/Time: Monday, January 25, 2010 12:08:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-SRD1.031
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	239830.347	239830.347				mg/L
	Be	9	74.668	0.000	0.000281	0.000	22.284	mg/L
	V	51	94816.042	0.208	0.005199	0.000	0.771	mg/L
	Cr	52	73128.196	0.128	0.003723	0.000	1.121	mg/L
	Cr	53	10528.420	0.014	0.003439	0.000	4.086	mg/L
	Co	59	33753.915	0.079	0.001905	0.000	2.879	mg/L
	Cu	63	90839.665	0.212	0.010022	0.000	1.017	mg/L
	Cu	65	44219.804	0.103	0.009954	0.000	2.409	mg/L
	Zn	66	52235.061	0.121	0.018775	0.000	0.576	mg/L
	Zn	68	46547.771	0.104	0.020191	0.000	0.974	mg/L
>	Ge	72	427899.673	427899.673				mg/L
	As	75	13433.195	0.029	0.003250	0.000	0.066	mg/L
	Se	77	394.680	0.000	0.000332	0.000	26.275	mg/L
	Se	82	46.592	0.000	0.000094	0.000	135.962	mg/L
>	Rh	103	297284.511	297284.511				mg/L
	Ag	107	761.376	0.003	0.000045	0.000	16.906	mg/L
	Cd	111	522.057	0.002	0.000128	0.000	4.881	mg/L
	Cd	114	679.417	0.002	0.000073	0.000	2.111	mg/L
	Tl	203	729.373	0.002	0.000058	0.000	7.791	mg/L
	Tl	205	1743.867	0.005	0.000058	0.000	2.523	mg/L
	Pb	208	690036.984	1.976	0.017180	0.000	1.956	mg/L
>	Bi	209	349012.373	349012.373				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	99.791
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.095
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.821
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.518

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	746520.627	746520.627		mg/L
Be	9	68.001	0.000	0.000247	mg/L
V	51	94480.100	0.207	0.005160	mg/L
Cr	52	71521.633	0.128	0.003722	mg/L
Cr	53	10320.480	0.014	0.003288	mg/L
Co	59	34384.175	0.080	0.001830	mg/L
Cu	63	90791.613	0.210	0.008981	mg/L
Cu	65	44537.140	0.103	0.009888	mg/L
Zn	66	52204.529	0.120	0.018881	mg/L
Zn	68	46548.108	0.104	0.020075	mg/L
Ge	72	430245.358	430245.358		mg/L
As	75	13488.833	0.029	0.003748	mg/L
Se	77	418.015	0.000	0.000401	mg/L
Se	82	104.288	0.000	0.000232	mg/L
Rh	103	2985547.083	2985547.083		mg/L
Ag	107	901.058	0.003	0.000053	mg/L
Cd	111	484.188	0.003	0.000131	mg/L
Cd	114	676.184	0.002	0.000073	mg/L
In	203	748.041	0.003	0.000056	mg/L
Tl	205	1792.211	0.008	0.000058	mg/L
Pb	208	677708.287	1.941	0.016869	mg/L
Bi	209	348053.770	348053.770		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	734178.080	734178.080		mg/L
Be	9	81.001	0.000	0.000354	mg/L
V	51	94246.523	0.210	0.005240	mg/L
Cr	52	72757.987	0.130	0.003785	mg/L
Cr	53	10808.858	0.015	0.003587	mg/L
Co	59	33958.380	0.080	0.001943	mg/L
Cu	63	90669.480	0.214	0.010140	mg/L
Cu	65	44642.704	0.105	0.010185	mg/L
Zn	66	51805.043	0.122	0.018479	mg/L
Zn	68	46417.378	0.105	0.020418	mg/L
Ge	72	422126.483	422126.483		mg/L
As	75	13251.573	0.029	0.003250	mg/L
Se	77	398.013	0.000	0.000380	mg/L
Se	82	98.409	0.000	0.000071	mg/L
Rh	103	2956462.480	2956462.480		mg/L
Ag	107	716.038	0.002	0.000043	mg/L
Cd	111	541.652	0.002	0.000134	mg/L
Cd	114	690.413	0.002	0.000075	mg/L
In	203	781.042	0.002	0.000061	mg/L
Tl	205	1704.191	0.008	0.000057	mg/L
Pb	208	584729.978	2.017	0.017537	mg/L
Bi	209	343982.443	343982.443		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	738792.334	738792.334		mg/L
Be	9	85.001	0.000	0.000243	mg/L
V	51	95522.504	0.208	0.005186	mg/L
Cr	52	73104.868	0.127	0.003681	mg/L
Cr	53	10854.914	0.014	0.003462	mg/L
Co	59	32908.177	0.078	0.001842	mg/L
Cu	63	91057.683	0.210	0.009885	mg/L
Cu	65	43479.587	0.100	0.009707	mg/L
Zn	66	52985.810	0.121	0.018780	mg/L
Zn	68	46877.830	0.104	0.020081	mg/L
Ge	72	431327.197	431327.197		mg/L
As	75	13549.178	0.029	0.003253	mg/L
Se	77	368.012	0.000	0.000234	mg/L
Se	82	0.001	0.000	0.000021	mg/L
Rh	103	2958843.991	2958843.991		mg/L
Ag	107	887.033	0.002	0.000039	mg/L
Cd	111	530.321	0.003	0.000129	mg/L
Cd	114	671.656	0.002	0.000072	mg/L
In	203	678.034	0.002	0.000053	mg/L
Tl	205	1735.188	0.008	0.000057	mg/L
Pb	208	588174.688	1.971	0.017135	mg/L
Bi	209	354020.808	354020.808		mg/L

Sample Information

Sample ID: 1000390-PS1
Autosampler Position: 30
Sample Date/Time: Monday, January 25, 2010 12:12:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000390-PS1.032
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	246350.166	246350.166				mg/L
	Be	9	5537.562	0.022	0.021279	0.000	1.440	mg/L
	V	51	824500.114	1.857	0.046354	0.001	1.763	mg/L
	Cr	52	604192.332	1.328	0.038604	0.000	0.634	mg/L
	Cr	53	72902.904	0.155	0.037598	0.001	1.331	mg/L
	Co	59	527122.820	1.196	0.028953	0.000	0.709	mg/L
	Cu	63	629125.026	1.427	0.067575	0.001	1.290	mg/L
	Cu	65	310278.399	0.704	0.068022	0.001	1.480	mg/L
	Zn	66	310042.260	0.703	0.108825	0.002	1.823	mg/L
	Zn	68	266115.306	0.599	0.116171	0.001	0.935	mg/L
>	Ge	72	440742.242	440742.242				mg/L
	As	75	137024.330	0.308	0.034965	0.000	0.967	mg/L
	Se	77	6179.686	0.013	0.018815	0.000	1.698	mg/L
	Se	82	7886.584	0.018	0.018460	0.000	0.865	mg/L
>	Rh	103	288574.910	288574.910				mg/L
	Ag	107	321947.915	1.116	0.019803	0.000	1.796	mg/L
	Cd	111	73732.379	0.255	0.019116	0.000	1.586	mg/L
	Cd	114	169328.216	0.587	0.019278	0.000	1.641	mg/L
	Tl	203	238414.523	0.668	0.019235	0.001	3.440	mg/L
	Tl	205	572815.140	1.605	0.019142	0.001	3.779	mg/L
	Pb	208	4348151.602	12.185	0.105921	0.003	2.707	mg/L
>	Bi	209	356951.641	356951.641				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.504
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.010
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.809
	Ag	106.905	

: 00629

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.713

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	251446.681	251446.681		mg/L
Be	9	5428.897	0.022	0.021188	mg/L
V	51	801510.617	1.623	0.045481	mg/L
Cr	52	802300.631	1.337	0.038858	mg/L
Cr	53	73251.285	0.157	0.038175	mg/L
Co	59	523788.653	1.200	0.029047	mg/L
Cu	63	922083.372	1.424	0.067458	mg/L
Cu	65	307568.887	0.704	0.068073	mg/L
Zn	66	308586.871	0.701	0.108842	mg/L
Zn	68	266408.081	0.605	0.117421	mg/L
Ge	72	436543.626	436543.626		mg/L
As	75	137205.129	0.312	0.035350	mg/L
Se	77	6175.347	0.013	0.016984	mg/L
Se	82	7640.823	0.018	0.016823	mg/L
Rh	103	289928.148	289928.148		mg/L
Ag	107	317408.018	1.095	0.019431	mg/L
Cd	111	72957.222	0.252	0.018425	mg/L
Cd	114	167022.478	0.576	0.018823	mg/L
Tl	203	334534.911	0.842	0.018479	mg/L
Tl	205	581228.414	1.538	0.018314	mg/L
Pb	208	4318143.208	11.622	0.102761	mg/L
Bi	209	365331.648	365331.648		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	240586.137	240586.137		mg/L
Be	9	5486.887	0.023	0.021620	mg/L
V	51	837729.822	1.688	0.047118	mg/L
Cr	52	603717.880	1.327	0.038580	mg/L
Cr	53	72316.142	0.154	0.037282	mg/L
Co	59	522718.482	1.188	0.028717	mg/L
Cu	63	837807.988	1.446	0.058900	mg/L
Cu	65	314883.810	0.714	0.069003	mg/L
Zn	66	315873.307	0.716	0.110894	mg/L
Zn	68	264454.224	0.598	0.115481	mg/L
Ge	72	440841.098	440841.098		mg/L
As	75	138468.414	0.307	0.034833	mg/L
Se	77	6241.398	0.013	0.019018	mg/L
Se	82	7862.055	0.018	0.016452	mg/L
Rh	103	293183.788	293183.788		mg/L
Ag	107	324347.777	1.118	0.019838	mg/L
Cd	111	74058.732	0.255	0.019082	mg/L
Cd	114	171110.847	0.590	0.019368	mg/L
Tl	203	238708.079	0.686	0.019708	mg/L
Tl	205	577311.842	1.649	0.019655	mg/L
Pb	208	4364437.407	12.465	0.108355	mg/L
Bi	209	350103.487	350103.487		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	247005.682	247005.682		mg/L
Be	9	5487.861	0.022	0.021028	mg/L
V	51	834283.903	1.681	0.046453	mg/L
Cr	52	608558.478	1.120	0.038372	mg/L
Cr	53	73141.305	0.154	0.037338	mg/L
Co	59	534882.118	1.202	0.029084	mg/L
Cu	63	827703.731	1.410	0.058768	mg/L
Cu	65	308679.300	0.693	0.068981	mg/L
Zn	66	307668.803	0.680	0.106840	mg/L
Zn	68	267482.643	0.598	0.115830	mg/L
Ge	72	445042.005	445042.005		mg/L
As	75	137379.448	0.308	0.034713	mg/L
Se	77	6124.311	0.013	0.018447	mg/L
Se	82	7598.773	0.018	0.016304	mg/L
Rh	103	285811.782	285811.782		mg/L
Ag	107	324087.953	1.115	0.020140	mg/L
Cd	111	74180.184	0.260	0.019430	mg/L
Cd	114	169851.323	0.595	0.019535	mg/L
Tl	203	241000.578	0.678	0.019518	mg/L
Tl	205	580008.185	1.632	0.019455	mg/L
Pb	208	4380874.182	12.269	0.108847	mg/L
Bi	209	355419.809	355419.809		mg/L

Sample Information

Sample ID: 1001177-12
Autosampler Position: 31
Sample Date/Time: Monday, January 25, 2010 12:15:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-12.033
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	269786.577	269786.577				mg/L
	Be	9	489.353	0.002	0.001701	0.000	8.031	mg/L
	V	51	706273.227	1.572	0.039242	0.001	2.069	mg/L
	Cr	52	601073.238	1.307	0.037982	0.000	1.151	mg/L
	Cr	53	70408.367	0.148	0.035815	0.001	1.916	mg/L
	Co	59	95799.514	0.215	0.005203	0.000	1.031	mg/L
	Cu	63	1019793.494	2.289	0.108422	0.002	1.615	mg/L
	Cu	65	496487.684	1.114	0.107734	0.001	0.701	mg/L
	Zn	66	1214663.484	2.726	0.422274	0.001	0.330	mg/L
	Zn	68	946809.766	2.121	0.411277	0.003	0.844	mg/L
>	Ge	72	445372.268	445372.268				mg/L
	As	75	38732.721	0.084	0.009556	0.000	0.121	mg/L
	Se	77	812.048	0.001	0.001602	0.000	11.065	mg/L
	Se	82	426.612	0.001	0.000971	0.000	12.547	mg/L
>	Rh	103	291013.990	291013.990				mg/L
	Ag	107	2720.139	0.009	0.000165	0.000	7.920	mg/L
	Cd	111	3435.009	0.012	0.000880	0.000	0.925	mg/L
	Cd	114	3594.903	0.012	0.000404	0.000	1.392	mg/L
	Tl	203	4354.848	0.012	0.000353	0.000	2.373	mg/L
	Tl	205	10521.745	0.030	0.000354	0.000	2.668	mg/L
	Pb	208	1089223.802	3.087	0.026838	0.001	1.919	mg/L
>	Bi	209	352675.277	352675.277				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	112.256
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.060
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.652
	Ag	106.905	

: 00631

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
L>	Bi	208.980

97.531

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	287559.038	287559.038		mg/L
Be	9	472.018	0.002	0.001858	mg/L
V	51	485715.853	1.543	0.034503	mg/L
Cr	52	546283.381	1.282	0.037558	mg/L
Cr	53	68230.868	0.144	0.035029	mg/L
Co	59	95226.948	0.216	0.005237	mg/L
Cu	63	1025087.986	2.325	0.110138	mg/L
Cu	65	483632.614	1.120	0.108251	mg/L
Zn	66	1201983.972	2.727	0.422315	mg/L
Zn	68	937163.204	2.133	0.411667	mg/L
Ge	72	440881.132	440881.132		mg/L
As	75	18348.413	0.084	0.009582	mg/L
Se	77	799.048	0.001	0.001588	mg/L
Se	82	437.715	0.001	0.001007	mg/L
Rh	103	285807.654	285807.654		mg/L
Ag	107	7869.523	0.010	0.000177	mg/L
Cd	111	1390.829	0.012	0.000866	mg/L
Cd	114	3583.884	0.012	0.000410	mg/L
Tl	203	4286.145	0.012	0.000349	mg/L
Tl	205	10421.617	0.030	0.000353	mg/L
Pb	208	1758432.787	3.021	0.028280	mg/L
Bi	209	350584.056	350584.056		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	265158.011	265158.011		mg/L
Be	9	150.017	0.003	0.001583	mg/L
V	51	706386.675	1.567	0.038111	mg/L
Cr	52	810084.136	1.322	0.038432	mg/L
Cr	53	71215.715	0.149	0.036122	mg/L
Co	59	95008.471	0.212	0.005142	mg/L
Cu	63	1006675.862	2.252	0.106839	mg/L
Cu	65	475868.443	1.118	0.106082	mg/L
Zn	66	1214908.240	2.717	0.420856	mg/L
Zn	68	941748.418	2.102	0.407819	mg/L
Ge	72	446880.734	446880.734		mg/L
As	75	14898.731	0.064	0.009563	mg/L
Se	77	781.042	0.001	0.001432	mg/L
Se	82	471.386	0.001	0.001071	mg/L
Rh	103	291725.245	291725.245		mg/L
Ag	107	2753.462	0.008	0.000167	mg/L
Cd	111	3480.787	0.012	0.000884	mg/L
Cd	114	3586.778	0.012	0.000400	mg/L
Tl	203	4437.229	0.013	0.000363	mg/L
Tl	205	10735.017	0.031	0.000364	mg/L
Pb	208	1087103.648	3.135	0.027248	mg/L
Bi	209	349882.467	349882.467		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	278644.683	278644.683		mg/L
Be	9	546.023	0.002	0.001858	mg/L
V	51	726738.153	1.607	0.040111	mg/L
Cr	52	604842.199	1.108	0.037857	mg/L
Cr	53	71776.518	0.150	0.036298	mg/L
Co	59	97163.123	0.218	0.005241	mg/L
Cu	63	1027608.812	2.281	0.108469	mg/L
Cu	65	485843.985	1.105	0.106868	mg/L
Zn	66	1227100.241	2.735	0.423648	mg/L
Zn	68	960818.876	2.138	0.414526	mg/L
Ge	72	448474.938	448474.938		mg/L
As	75	18950.020	0.084	0.009543	mg/L
Se	77	678.055	0.001	0.001766	mg/L
Se	82	370.726	0.001	0.000835	mg/L
Rh	103	295709.071	295709.071		mg/L
Ag	107	2537.412	0.008	0.000151	mg/L
Cd	111	3453.600	0.012	0.000871	mg/L
Cd	114	3635.048	0.012	0.000402	mg/L
Tl	203	4341.174	0.012	0.000347	mg/L
Tl	205	10406.809	0.029	0.000345	mg/L
Pb	208	1111135.473	3.107	0.027005	mg/L
Bi	209	357558.308	357558.308		mg/L

: 00632

Sample Information

Sample ID: 1001177-13
Autosampler Position: 32
Sample Date/Time: Monday, January 25, 2010 12:18:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-13.034
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	258884.661	258884.661				mg/L
	Be	9	886.723	0.003	0.003228	0.000	2.767	mg/L
	V	51	640707.283	1.413	0.035263	0.001	2.333	mg/L
	Cr	52	433120.889	0.921	0.026778	0.000	1.775	mg/L
	Cr	53	51852.673	0.105	0.025467	0.000	1.103	mg/L
	Co	59	312466.874	0.695	0.016834	0.000	2.187	mg/L
	Cu	63	1546080.436	3.441	0.162961	0.003	1.976	mg/L
	Cu	65	749512.097	1.668	0.161252	0.004	2.235	mg/L
	Zn	66	740452.967	1.647	0.255116	0.003	1.121	mg/L
	Zn	68	610577.531	1.354	0.262569	0.002	0.663	mg/L
>	Ge	72	449325.970	449325.970				mg/L
	As	75	131027.454	0.289	0.032778	0.000	0.924	mg/L
	Se	77	1050.077	0.002	0.002327	0.000	4.923	mg/L
	Se	82	639.576	0.001	0.001451	0.000	10.683	mg/L
>	Rh	103	284416.892	284416.892				mg/L
	Ag	107	3308.690	0.012	0.000206	0.000	3.179	mg/L
	Cd	111	5773.325	0.020	0.001515	0.000	0.829	mg/L
	Cd	114	9205.541	0.032	0.001061	0.000	1.810	mg/L
	Tl	203	7544.490	0.021	0.000594	0.000	3.074	mg/L
	Tl	205	18646.359	0.051	0.000609	0.000	1.075	mg/L
	Pb	208	15025406.087	41.287	0.358689	0.005	1.493	mg/L
>	Bi	209	363979.651	363979.651				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	107.720
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.957
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.370
	Ag	106.905	

	Cd	110.904	
	Cd	113.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	100.657

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	2958389.039	2958389.039		mg/L
Be	9	938.082	0.004	0.003230	mg/L
V	51	648881.843	1.450	0.036184	mg/L
Cr	52	433888.708	0.938	0.027206	mg/L
Cr	53	51673.227	0.108	0.025742	mg/L
Co	59	307852.275	0.694	0.016807	mg/L
Cu	63	1560241.463	3.518	0.186836	mg/L
Cu	65	757389.803	1.708	0.185100	mg/L
Zn	66	732715.858	1.653	0.255625	mg/L
Zn	68	805487.238	1.981	0.263870	mg/L
Ge	72	443370.320	443370.320		mg/L
As	75	130510.288	0.292	0.333087	mg/L
Se	77	1019.072	0.002	0.002273	mg/L
Se	82	618.663	0.001	0.001423	mg/L
Rh	103	288088.877	288088.877		mg/L
Ag	107	3208.650	0.011	0.000196	mg/L
Cd	111	5680.886	0.020	0.001530	mg/L
Cd	114	9075.982	0.032	0.001040	mg/L
Tl	203	7458.411	0.020	0.000578	mg/L
Tl	205	18817.410	0.051	0.000803	mg/L
Pb	206	15086798.480	40.587	0.352886	mg/L
Bi	209	371120.449	371120.449		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	256482.708	256482.708		mg/L
Be	9	668.084	0.003	0.003191	mg/L
V	51	635408.883	1.401	0.034956	mg/L
Cr	52	434481.837	0.924	0.026859	mg/L
Cr	53	51680.911	0.105	0.025477	mg/L
Co	59	319569.086	0.711	0.017215	mg/L
Cu	63	1533636.180	1.412	0.161611	mg/L
Cu	65	747158.815	1.662	0.160702	mg/L
Zn	66	747829.328	1.663	0.257554	mg/L
Zn	68	608042.912	1.344	0.260580	mg/L
Ge	72	449358.698	449358.698		mg/L
As	75	130984.870	0.288	0.332784	mg/L
Se	77	1025.073	0.002	0.002249	mg/L
Se	82	578.751	0.001	0.001312	mg/L
Rh	103	285818.087	285818.087		mg/L
Ag	107	1404.729	0.012	0.000210	mg/L
Cd	111	5788.112	0.020	0.001511	mg/L
Cd	114	9387.547	0.033	0.001078	mg/L
Tl	203	7704.637	0.021	0.000813	mg/L
Tl	205	16879.098	0.052	0.000818	mg/L
Pb	208	15087488.943	41.784	0.363213	mg/L
Bi	209	360595.035	360595.035		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	254532.234	254532.234		mg/L
Be	9	854.053	0.003	0.003183	mg/L
V	51	637833.013	1.388	0.034835	mg/L
Cr	52	430802.022	0.904	0.026788	mg/L
Cr	53	52004.280	0.104	0.025181	mg/L
Co	59	309868.280	0.681	0.016480	mg/L
Cu	63	1544361.634	3.382	0.160835	mg/L
Cu	65	744008.872	1.634	0.157954	mg/L
Zn	66	741013.719	1.627	0.251970	mg/L
Zn	68	620222.444	1.358	0.263248	mg/L
Ge	72	495246.882	495246.882		mg/L
As	75	131577.427	0.286	0.032482	mg/L
Se	77	1108.084	0.002	0.002456	mg/L
Se	82	721.293	0.002	0.001618	mg/L
Rh	103	281244.831	281244.831		mg/L
Ag	107	3312.681	0.012	0.000208	mg/L
Cd	111	5870.970	0.020	0.001505	mg/L
Cd	114	9143.115	0.032	0.001088	mg/L
Tl	203	7470.422	0.021	0.000584	mg/L
Tl	205	18442.588	0.051	0.000608	mg/L
Pb	206	14941952.827	41.478	0.360559	mg/L
Bi	209	360223.468	360223.468		mg/L

Sample Information

Sample ID: 1001177-14
Autosampler Position: 33
Sample Date/Time: Monday, January 25, 2010 12:22:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-14.035
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	255134.973	255134.973				mg/L
	Be	9	76.001	0.000	0.000267	0.000	12.560	mg/L
	V	51	593337.970	1.372	0.034232	0.001	2.451	mg/L
	Cr	52	352180.290	0.779	0.022649	0.001	2.267	mg/L
	Cr	53	43153.941	0.090	0.021904	0.001	2.467	mg/L
	Co	59	176818.955	0.413	0.009988	0.000	2.705	mg/L
	Cu	63	168922.189	0.394	0.018642	0.000	0.657	mg/L
	Cu	65	86207.150	0.201	0.019416	0.000	0.523	mg/L
	Zn	66	118058.016	0.275	0.042551	0.000	1.084	mg/L
	Zn	68	94818.339	0.217	0.042014	0.000	0.326	mg/L
>	Ge	72	428384.677	428384.677				mg/L
	As	75	53971.280	0.123	0.013984	0.000	0.579	mg/L
	Se	77	637.364	0.001	0.001129	0.000	3.087	mg/L
	Se	82	208.694	0.000	0.000485	0.000	18.905	mg/L
>	Rh	103	280988.823	280988.823				mg/L
	Ag	107	1019.406	0.004	0.000063	0.000	6.091	mg/L
	Cd	111	1895.460	0.007	0.000501	0.000	5.277	mg/L
	Cd	114	968.728	0.003	0.000111	0.000	2.087	mg/L
	Tl	203	2109.622	0.006	0.000177	0.000	3.162	mg/L
	Tl	205	4990.211	0.015	0.000174	0.000	3.635	mg/L
	Pb	208	448727.072	1.327	0.011532	0.000	3.601	mg/L
>	Bi	209	338041.107	338041.107				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	106.160
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.206
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.185
	Ag	106.905	

	Cd	110.904	
	Cd	113.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	93.484

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	284878.170	284878.170		mg/L
Be	9	88.001	0.000	0.000283	mg/L
V	51	613470.299	1.410	0.035183	mg/L
Cr	52	362015.887	0.797	0.023158	mg/L
Cr	53	44540.136	0.083	0.022528	mg/L
Co	59	183510.373	0.425	0.010298	mg/L
Cu	63	171057.497	0.398	0.018754	mg/L
Cu	65	86991.456	0.201	0.019462	mg/L
Zn	66	120144.070	0.278	0.043020	mg/L
Zn	68	95381.702	0.217	0.041985	mg/L
Ge	72	431217.744	431217.744		mg/L
As	75	54317.762	0.123	0.013954	mg/L
Se	77	653.032	0.001	0.001167	mg/L
Se	82	186.238	0.000	0.000380	mg/L
Rh	103	280128.188	280128.188		mg/L
Ag	107	251.084	0.003	0.000058	mg/L
Cd	111	1780.573	0.008	0.000472	mg/L
Cd	114	873.307	0.003	0.000112	mg/L
Tl	203	2090.283	0.008	0.000175	mg/L
Tl	205	4945.518	0.014	0.000172	mg/L
Pb	208	434381.580	1.283	0.011148	mg/L
Bi	209	334469.187	334469.187		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	252024.700	252024.700		mg/L
Be	9	78.001	0.000	0.000279	mg/L
V	51	580386.488	1.758	0.033918	mg/L
Cr	52	353787.474	0.779	0.022657	mg/L
Cr	53	42888.388	0.088	0.021841	mg/L
Co	59	174408.833	0.405	0.009811	mg/L
Cu	63	168788.119	0.394	0.018680	mg/L
Cu	65	86058.842	0.200	0.019300	mg/L
Zn	66	117304.008	0.272	0.042098	mg/L
Zn	68	94858.911	0.216	0.041884	mg/L
Ge	72	430214.841	430214.841		mg/L
As	75	53868.507	0.123	0.013922	mg/L
Se	77	638.031	0.001	0.001122	mg/L
Se	82	227.911	0.001	0.000529	mg/L
Rh	103	284223.503	284223.503		mg/L
Ag	107	1041.078	0.004	0.000084	mg/L
Cd	111	2003.358	0.007	0.000524	mg/L
Cd	114	764.629	0.003	0.000113	mg/L
Tl	203	2081.277	0.008	0.000173	mg/L
Tl	205	4864.468	0.014	0.000168	mg/L
Pb	208	448556.870	1.320	0.011475	mg/L
Bi	209	339555.081	339555.081		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	248702.048	248702.048		mg/L
Be	9	84.001	0.000	0.000228	mg/L
V	51	578008.127	1.748	0.033388	mg/L
Cr	52	340757.688	0.781	0.022131	mg/L
Cr	53	42055.271	0.089	0.021547	mg/L
Co	59	172537.558	0.407	0.009854	mg/L
Cu	63	165810.890	0.381	0.018512	mg/L
Cu	65	85581.053	0.202	0.019487	mg/L
Zn	66	116725.971	0.275	0.042534	mg/L
Zn	68	94114.403	0.217	0.042163	mg/L
Ge	72	423721.444	423721.444		mg/L
As	75	53727.572	0.124	0.014075	mg/L
Se	77	421.029	0.001	0.001099	mg/L
Se	82	231.935	0.001	0.000547	mg/L
Rh	103	278618.798	278618.798		mg/L
Ag	107	1008.079	0.004	0.000087	mg/L
Cd	111	1902.448	0.007	0.000508	mg/L
Cd	114	738.048	0.003	0.000109	mg/L
Tl	203	2171.305	0.008	0.000183	mg/L
Tl	205	5160.849	0.015	0.000181	mg/L
Pb	208	463233.685	1.377	0.011973	mg/L
Bi	209	336049.072	336049.072		mg/L

: 00636

Sample Information

Sample ID: 1001177-15
Autosampler Position: 34
Sample Date/Time: Monday, January 25, 2010 12:25:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-15.036
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	242266.435	242266.435				mg/L
	Be	9	98.335	0.000	0.000370	0.000	5.829	mg/L
	V	51	491625.581	1.143	0.028535	0.000	1.436	mg/L
	Cr	52	272178.357	0.598	0.017368	0.000	1.470	mg/L
	Cr	53	34004.590	0.070	0.016876	0.000	2.016	mg/L
	Co	59	169142.741	0.398	0.009629	0.000	0.216	mg/L
	Cu	63	184431.732	0.433	0.020516	0.000	1.127	mg/L
	Cu	65	92022.598	0.216	0.020890	0.000	0.816	mg/L
	Zn	66	157390.770	0.369	0.057216	0.001	1.025	mg/L
	Zn	68	126411.054	0.293	0.056755	0.001	1.330	mg/L
>	Ge	72	425072.409	425072.409				mg/L
	As	75	66217.998	0.153	0.017365	0.000	1.522	mg/L
	Se	77	644.698	0.001	0.001170	0.000	5.543	mg/L
	Se	82	106.776	0.000	0.000241	0.000	8.180	mg/L
>	Rh	103	286430.004	286430.004				mg/L
	Ag	107	1140.089	0.004	0.000070	0.000	3.932	mg/L
	Cd	111	1946.411	0.007	0.000505	0.000	5.998	mg/L
	Cd	114	1196.905	0.004	0.000135	0.000	7.269	mg/L
	Tl	203	2578.425	0.008	0.000218	0.000	3.647	mg/L
	Tl	205	5995.883	0.018	0.000211	0.000	4.576	mg/L
	Pb	208	502759.844	1.492	0.012972	0.000	3.195	mg/L
>	Bi	209	336912.951	336912.951				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.805
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.454
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.067
	Ag	106.905	

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	93.172

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	248632.870	248632.870		mg/L
Be	9	97.002	0.000	0.000355	mg/L
V	51	490312.730	1.134	0.028303	mg/L
Cr	52	269425.714	0.588	0.017081	mg/L
Cr	53	34563.676	0.070	0.017080	mg/L
Co	59	170487.587	0.389	0.009853	mg/L
Cu	63	184522.388	0.431	0.020417	mg/L
Cu	65	92004.011	0.215	0.020774	mg/L
Zn	66	159542.325	0.372	0.057680	mg/L
Zn	68	128871.837	0.297	0.057812	mg/L
Ge	72	427346.848	427346.848		mg/L
As	75	65507.675	0.151	0.017081	mg/L
Se	77	680.033	0.001	0.001208	mg/L
Se	82	116.504	0.000	0.000263	mg/L
Rh	103	246078.399	246078.399		mg/L
Ag	107	1080.082	0.004	0.000087	mg/L
Cd	111	1612.478	0.008	0.000471	mg/L
Cd	114	1141.567	0.004	0.000129	mg/L
Tl	203	2803.433	0.007	0.000212	mg/L
Tl	205	5808.151	0.017	0.000200	mg/L
Pb	208	503824.004	1.439	0.012511	mg/L
Bi	209	349708.382	349708.382		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	242006.108	242006.108		mg/L
Be	9	98.002	0.000	0.000361	mg/L
V	51	488012.763	1.134	0.028295	mg/L
Cr	52	274278.338	0.600	0.017456	mg/L
Cr	53	33417.202	0.068	0.016484	mg/L
Co	59	169480.752	0.387	0.009820	mg/L
Cu	63	187353.522	0.439	0.020780	mg/L
Cu	65	93158.745	0.218	0.021086	mg/L
Zn	66	156084.189	0.365	0.056580	mg/L
Zn	68	126138.710	0.291	0.056482	mg/L
Ge	72	428337.985	428337.985		mg/L
As	75	66587.137	0.153	0.017408	mg/L
Se	77	624.030	0.001	0.001088	mg/L
Se	82	104.286	0.000	0.000234	mg/L
Rh	103	264569.002	264569.002		mg/L
Ag	107	1170.084	0.004	0.000072	mg/L
Cd	111	1877.180	0.007	0.000517	mg/L
Cd	114	1287.757	0.004	0.000147	mg/L
Tl	203	2838.444	0.008	0.000227	mg/L
Tl	205	6088.284	0.018	0.000217	mg/L
Pb	208	507543.300	1.531	0.013312	mg/L
Bi	209	331221.440	331221.440		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	235980.328	235980.328		mg/L
Be	9	102.002	0.000	0.000388	mg/L
V	51	495651.350	1.182	0.029008	mg/L
Cr	52	272833.021	0.804	0.017569	mg/L
Cr	53	34032.881	0.070	0.017055	mg/L
Co	59	167478.645	0.397	0.009815	mg/L
Cu	63	181419.108	0.430	0.020350	mg/L
Cu	65	90808.038	0.215	0.020810	mg/L
Zn	66	156575.820	0.371	0.057394	mg/L
Zn	68	124124.817	0.293	0.056191	mg/L
Ge	72	421530.392	421530.392		mg/L
As	75	66556.983	0.155	0.017404	mg/L
Se	77	650.032	0.001	0.001208	mg/L
Se	82	98.556	0.000	0.000725	mg/L
Rh	103	268642.811	268642.811		mg/L
Ag	107	1160.082	0.004	0.000070	mg/L
Cd	111	2048.978	0.007	0.000528	mg/L
Cd	114	1181.372	0.004	0.000130	mg/L
Tl	203	2492.398	0.007	0.000215	mg/L
Tl	205	5983.214	0.018	0.000215	mg/L
Pb	208	497112.229	1.546	0.013084	mg/L
Bi	209	329609.031	329609.031		mg/L

Sample Information

Sample ID: 1000579-BLK1
Autosampler Position: 35
Sample Date/Time: Monday, January 25, 2010 12:29:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000579-BLK1.037
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	236452.103	236452.103				mg/L
	Be	9	3.000	-0.000	-0.000002	0.000	163.983	mg/L
	V	51	6864.488	0.003	0.000085	0.000	18.118	mg/L
	Cr	52	21039.077	0.008	0.000241	0.000	16.335	mg/L
	Cr	53	4216.442	-0.000	-0.000044	0.000	145.165	mg/L
	Co	59	143.336	0.000	0.000003	0.000	17.199	mg/L
	Cu	63	422.682	0.000	0.000015	0.000	27.349	mg/L
	Cu	65	212.005	0.000	0.000011	0.000	21.624	mg/L
	Zn	66	2583.760	0.005	0.000840	0.000	2.052	mg/L
	Zn	68	3731.873	0.004	0.000857	0.000	2.997	mg/L
>	Ge	72	411446.915	411446.915				mg/L
	As	75	1311.287	0.000	0.000050	0.000	62.371	mg/L
	Se	77	298.342	0.000	0.000053	0.000	81.127	mg/L
	Se	82	0.131	-0.000	-0.000018	0.000	885.113	mg/L
>	Rh	103	303279.812	303279.812				mg/L
	Ag	107	186.337	0.001	0.000010	0.000	6.884	mg/L
	Cd	111	52.871	0.000	0.000010	0.000	59.776	mg/L
	Cd	114	15.538	-0.000	-0.000000	0.000	831.185	mg/L
	Tl	203	30.334	-0.000	-0.000000	0.000	879.672	mg/L
	Tl	205	74.001	0.000	0.000001	0.000	33.202	mg/L
	Pb	208	883.027	0.002	0.000014	0.000	0.706	mg/L
>	Bi	209	353998.429	353998.429				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.386
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	93.362
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	104.895
	Ag	106.905	

: 00639

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.897

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	237477.540	237477.540		mg/L
Be	9	4.000	0.000	0.000002	mg/L
V	51	7078.036	0.004	0.000100	mg/L
Cr	52	21547.039	0.010	0.000287	mg/L
Cr	53	4241.121	0.000	0.000014	mg/L
Co	59	137.002	0.000	0.000003	mg/L
Cu	63	448.018	0.000	0.000018	mg/L
Cu	65	213.005	0.000	0.000013	mg/L
Zn	66	2574.423	0.005	0.000843	mg/L
Zn	68	1654.838	0.004	0.000832	mg/L
Ge	72	408824.123	408824.123		mg/L
As	75	1412.552	0.001	0.000080	mg/L
Se	77	283.008	0.000	0.000041	mg/L
Se	82	68.170	0.000	0.000154	mg/L
Rh	103	303371.312	303371.312		mg/L
Ag	107	198.004	0.001	0.000011	mg/L
Cd	111	78.567	0.000	0.000018	mg/L
Cd	114	31.482	0.000	0.000002	mg/L
Tl	203	23.000	0.000	0.000001	mg/L
Tl	205	67.001	0.000	0.000000	mg/L
Pb	208	881.027	0.002	0.000014	mg/L
Bi	209	354803.282	354803.282		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	237482.884	237482.884		mg/L
Be	9	2.000	0.000	0.000008	mg/L
V	51	9612.143	0.003	0.000070	mg/L
Cr	52	20888.881	0.008	0.000218	mg/L
Cr	53	4287.145	0.000	0.000001	mg/L
Co	59	145.003	0.000	0.000003	mg/L
Cu	63	438.016	0.000	0.000017	mg/L
Cu	65	221.005	0.000	0.000014	mg/L
Zn	66	2532.410	0.005	0.000822	mg/L
Zn	68	1783.887	0.005	0.000883	mg/L
Ge	72	411084.384	411084.384		mg/L
As	75	1317.379	0.000	0.000052	mg/L
Se	77	312.008	0.000	0.000101	mg/L
Se	82	-53.040	0.000	0.000152	mg/L
Rh	103	304651.780	304651.780		mg/L
Ag	107	185.004	0.001	0.000010	mg/L
Cd	111	48.338	0.000	0.000008	mg/L
Cd	114	10.510	0.000	0.000001	mg/L
Tl	203	28.000	0.000	0.000000	mg/L
Tl	205	79.001	0.000	0.000001	mg/L
Pb	208	884.028	0.002	0.000014	mg/L
Bi	209	356810.352	356810.352		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	234398.088	234398.088		mg/L
Be	9	3.000	0.000	0.000002	mg/L
V	51	6803.288	0.003	0.000084	mg/L
Cr	52	20871.312	0.008	0.000218	mg/L
Cr	53	4121.080	0.000	0.000118	mg/L
Co	59	153.003	0.000	0.000004	mg/L
Cu	63	384.013	0.000	0.000011	mg/L
Cu	65	202.004	0.000	0.000008	mg/L
Zn	66	2644.448	0.006	0.000858	mg/L
Zn	68	1756.884	0.004	0.000456	mg/L
Ge	72	414432.257	414432.257		mg/L
As	75	1203.829	0.000	0.000018	mg/L
Se	77	290.008	0.000	0.000017	mg/L
Se	82	-14.738	0.000	0.000055	mg/L
Rh	103	301818.325	301818.325		mg/L
Ag	107	175.004	0.001	0.000008	mg/L
Cd	111	31.589	0.000	0.000005	mg/L
Cd	114	4.614	0.000	0.000001	mg/L
Tl	203	19.000	0.000	0.000001	mg/L
Tl	205	18.001	0.000	0.000001	mg/L
Pb	208	874.027	0.002	0.000014	mg/L
Bi	209	350181.652	350181.652		mg/L

Sample Information

Sample ID: 1000579-BS1
Autosampler Position: 36
Sample Date/Time: Monday, January 25, 2010 12:32:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000579-BS1.038
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	241020.349	241020.349				mg/L
	Be	9	8836.772	0.037	0.034713	0.000	0.539	mg/L
	V	51	636461.750	1.479	0.036902	0.000	0.539	mg/L
	Cr	52	564113.700	1.280	0.037192	0.001	1.639	mg/L
	Cr	53	69229.409	0.152	0.036837	0.001	1.378	mg/L
	Co	59	658726.676	1.544	0.037380	0.000	0.446	mg/L
	Cu	63	334205.314	0.783	0.037068	0.000	1.194	mg/L
	Cu	65	162690.558	0.381	0.036827	0.000	0.879	mg/L
	Zn	66	97357.109	0.227	0.035211	0.000	0.815	mg/L
	Zn	68	82534.247	0.189	0.036607	0.000	1.010	mg/L
>	Ge	72	426620.482	426620.482				mg/L
	As	75	141660.362	0.329	0.037364	0.000	0.264	mg/L
	Se	77	11011.715	0.025	0.035452	0.001	1.640	mg/L
	Se	82	14655.461	0.034	0.035457	0.001	2.847	mg/L
>	Rh	103	306618.018	306618.018				mg/L
	Ag	107	665744.118	2.171	0.038543	0.001	2.405	mg/L
	Cd	111	152605.543	0.498	0.037242	0.001	1.351	mg/L
	Cd	114	353051.198	1.151	0.037827	0.000	0.595	mg/L
	Tl	203	491287.708	1.337	0.038479	0.001	1.607	mg/L
	Tl	205	1194003.753	3.248	0.038730	0.001	1.595	mg/L
	Pb	208	1619331.481	4.405	0.038289	0.001	1.437	mg/L
>	Bi	209	367592.690	367592.690				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.287
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.805
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	106.049
	Ag	106.905	

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	101.656

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	248161.230	248161.230		mg/L
Be	9	8864.831	0.036	0.034568	mg/L
V	51	640372.078	1.464	0.037028	mg/L
Cr	52	587675.829	1.285	0.037339	mg/L
Cr	53	69547.700	0.152	0.036908	mg/L
Co	59	982724.842	1.548	0.037503	mg/L
Cu	63	139284.117	0.793	0.037536	mg/L
Cu	65	164907.522	0.384	0.037138	mg/L
Zn	66	98160.723	0.229	0.035405	mg/L
Zn	68	42450.700	0.168	0.036488	mg/L
Ge	72	427808.564	427808.564		mg/L
As	75	142057.586	0.329	0.037385	mg/L
Se	77	10801.234	0.025	0.034985	mg/L
Se	82	14282.818	0.033	0.034408	mg/L
Rh	103	303175.388	303175.388		mg/L
Ag	107	676546.070	2.231	0.039806	mg/L
Cd	111	152486.044	0.503	0.037629	mg/L
Cd	114	150088.239	1.155	0.037830	mg/L
Tl	203	493013.524	1.337	0.038207	mg/L
Tl	205	1184847.551	3.188	0.038023	mg/L
Pb	208	1608891.738	4.333	0.037887	mg/L
Bi	209	371450.689	371450.689		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	236701.928	236701.928		mg/L
Be	9	8730.668	0.037	0.034819	mg/L
V	51	633903.788	1.463	0.037007	mg/L
Cr	52	587905.870	1.287	0.037715	mg/L
Cr	53	69678.868	0.154	0.037308	mg/L
Co	59	950883.582	1.536	0.037190	mg/L
Cu	63	128224.261	0.774	0.036858	mg/L
Cu	65	150099.852	0.377	0.036490	mg/L
Zn	66	95788.308	0.225	0.034482	mg/L
Zn	68	41358.036	0.167	0.036328	mg/L
Ge	72	423703.589	423703.589		mg/L
As	75	141080.288	0.330	0.037463	mg/L
Se	77	11132.542	0.026	0.036103	mg/L
Se	82	14952.408	0.035	0.036472	mg/L
Rh	103	312824.130	312824.130		mg/L
Ag	107	671118.471	2.147	0.038102	mg/L
Cd	111	153243.229	0.480	0.036873	mg/L
Cd	114	157533.137	1.144	0.037569	mg/L
Tl	203	491358.630	1.361	0.038187	mg/L
Tl	205	1186715.678	3.286	0.038185	mg/L
Pb	208	1607839.387	4.453	0.038708	mg/L
Bi	209	360843.856	360843.856		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	240187.669	240187.669		mg/L
Be	9	8794.728	0.037	0.034883	mg/L
V	51	635108.387	1.468	0.036873	mg/L
Cr	52	556568.301	1.256	0.036523	mg/L
Cr	53	68561.588	0.150	0.036298	mg/L
Co	59	962561.686	1.547	0.037446	mg/L
Cu	63	335037.574	0.781	0.037011	mg/L
Cu	65	183485.301	0.381	0.036854	mg/L
Zn	66	98124.297	0.228	0.035347	mg/L
Zn	68	43783.002	0.191	0.037026	mg/L
Ge	72	428348.312	428348.312		mg/L
As	75	141883.200	0.328	0.037288	mg/L
Se	77	11001.387	0.025	0.035288	mg/L
Se	82	14751.080	0.034	0.035641	mg/L
Rh	103	304084.595	304084.595		mg/L
Ag	107	649588.812	2.136	0.037918	mg/L
Cd	111	152088.355	0.500	0.037423	mg/L
Cd	114	151954.218	1.158	0.037982	mg/L
Tl	203	489482.770	1.321	0.038043	mg/L
Tl	205	1211648.030	3.271	0.039002	mg/L
Pb	208	1640483.320	4.478	0.038493	mg/L
Bi	209	370383.728	370383.728		mg/L

Sample Information

Sample ID: 0A25028-CCV
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 12:35:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCV.039
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	232253.917	232253.917				mg/L
	Be	9	8636.562	0.037	0.035206	0.000	0.656	mg/L
	V	51	621278.511	1.519	0.037920	0.000	1.218	mg/L
	Cr	52	560295.680	1.340	0.038937	0.000	0.285	mg/L
	Cr	53	69318.902	0.161	0.038955	0.000	0.815	mg/L
	Co	59	654559.159	1.615	0.039099	0.001	1.979	mg/L
	Cu	63	335560.281	0.827	0.039181	0.000	0.768	mg/L
	Cu	65	163041.456	0.402	0.038857	0.001	1.694	mg/L
	Zn	66	102190.107	0.251	0.038925	0.001	1.770	mg/L
	Zn	68	86315.579	0.208	0.040395	0.001	1.409	mg/L
>	Ge	72	405308.606	405308.606				mg/L
	As	75	149271.106	0.366	0.041473	0.000	0.671	mg/L
	Se	77	11734.707	0.028	0.039891	0.001	2.151	mg/L
	Se	82	15935.725	0.039	0.040591	0.001	2.401	mg/L
>	Rh	103	310452.207	310452.207				mg/L
	Ag	107	676490.393	2.179	0.038677	0.001	1.425	mg/L
	Cd	111	154324.614	0.497	0.037191	0.001	1.683	mg/L
	Cd	114	360066.919	1.160	0.038099	0.000	0.197	mg/L
	Tl	203	497251.588	1.382	0.039790	0.001	1.453	mg/L
	Tl	205	1189428.715	3.306	0.039419	0.000	1.234	mg/L
	Pb	208	1632397.466	4.537	0.039437	0.000	0.757	mg/L
>	Bi	209	359734.056	359734.056				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.639
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
	Ge	71.922	91.969
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	107.375
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.483

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A25028-CCV	Be	9	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	238108.204	238108.204		mg/L
Be	9	8468.638	0.037	0.035228	mg/L
V	51	640888.114	1.541	0.038453	mg/L
Cr	52	571867.544	1.344	0.038058	mg/L
Cr	53	71148.124	0.182	0.038312	mg/L
Co	59	561084.403	1.902	0.038800	mg/L
Cu	63	338487.288	0.820	0.038634	mg/L
Cu	65	182907.532	0.385	0.038143	mg/L
Zn	66	102081.448	0.247	0.038189	mg/L
Zn	68	86467.139	0.205	0.038743	mg/L
Ge	72	412473.559	412473.559		mg/L
As	75	152887.087	0.368	0.041744	mg/L
Se	77	11855.281	0.028	0.036891	mg/L
Se	82	15773.818	0.036	0.038468	mg/L
Rh	103	308820.755	308820.755		mg/L
Ag	107	680203.808	2.702	0.039081	mg/L
Cd	111	154986.078	0.502	0.037530	mg/L
Cd	114	357524.974	1.157	0.038018	mg/L
Tl	203	484181.070	1.358	0.038123	mg/L
Tl	205	1175247.582	3.272	0.038008	mg/L
Pb	208	1636029.689	4.558	0.038833	mg/L
Bi	209	358197.589	358197.589		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	231346.582	231346.582		mg/L
Be	9	8544.484	0.037	0.034988	mg/L
V	51	613119.280	1.508	0.037648	mg/L
Cr	52	535641.640	1.338	0.038638	mg/L
Cr	53	68485.880	0.180	0.038705	mg/L
Co	59	668300.450	1.651	0.038877	mg/L
Cu	63	335181.181	0.831	0.038369	mg/L
Cu	65	182643.445	0.403	0.038867	mg/L
Zn	66	101811.167	0.252	0.039008	mg/L
Zn	68	86341.849	0.210	0.040648	mg/L
Ge	72	402895.540	402895.540		mg/L
As	75	148419.359	0.366	0.041488	mg/L
Se	77	11817.481	0.029	0.040417	mg/L
Se	82	16040.891	0.040	0.041083	mg/L
Rh	103	311618.412	311618.412		mg/L
Ag	107	668030.436	2.144	0.038050	mg/L
Cd	111	156488.949	0.507	0.037573	mg/L
Cd	114	362050.278	1.162	0.038188	mg/L
Tl	203	500300.202	1.386	0.040148	mg/L
Tl	205	1182288.028	3.298	0.038283	mg/L
Pb	208	1613688.620	4.497	0.039084	mg/L
Bi	209	358734.232	358734.232		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	226308.957	226308.957		mg/L
Be	9	8468.388	0.037	0.035428	mg/L
V	51	608717.128	1.508	0.037658	mg/L
Cr	52	553477.456	1.339	0.038820	mg/L
Cr	53	68324.632	0.180	0.038848	mg/L
Co	59	637312.623	1.581	0.038518	mg/L
Cu	63	333002.387	0.831	0.039341	mg/L
Cu	65	182673.382	0.408	0.039440	mg/L
Zn	66	102877.710	0.256	0.039870	mg/L
Zn	68	86137.751	0.210	0.040783	mg/L
Ge	72	400556.718	400556.718		mg/L
As	75	149508.883	0.363	0.041186	mg/L
Se	77	11731.369	0.029	0.040355	mg/L
Se	82	15883.465	0.040	0.041211	mg/L
Rh	103	310819.454	310819.454		mg/L
Ag	107	681337.138	2.192	0.038801	mg/L
Cd	111	151508.821	0.487	0.036489	mg/L
Cd	114	350825.503	1.160	0.038114	mg/L
Tl	203	503273.482	1.393	0.040101	mg/L
Tl	205	1210750.534	3.351	0.039859	mg/L
Pb	208	1645468.078	4.554	0.039585	mg/L
Bi	209	361270.368	361270.368		mg/L

Sample Information

Sample ID: 0A25028-CCB

Autosampler Position: 1

Sample Date/Time: Monday, January 25, 2010 12:39:16

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Number of Replicates: 3

Sample File: C:\Elandata\Sample\0A25028.sam

Method File: c:\elandata\Method\Solid_6020A_201.mth

Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCB.040

Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun

Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	230548.711	230548.711				mg/L
	Be	9	6.333	0.000	0.000012	0.000	84.021	mg/L
	V	51	6042.213	0.002	0.000044	0.000	28.639	mg/L
	Cr	52	18859.183	0.004	0.000121	0.000	6.144	mg/L
	Cr	53	4238.788	0.000	0.000031	0.000	239.000	mg/L
	Co	59	110.002	0.000	0.000002	0.000	46.299	mg/L
	Cu	63	332.343	0.000	0.000006	0.000	75.304	mg/L
	Cu	65	196.338	0.000	0.000009	0.000	36.252	mg/L
	Zn	66	291.008	-0.000	-0.000020	0.000	21.229	mg/L
	Zn	68	1940.579	0.000	0.000036	0.000	76.623	mg/L
>	Ge	72	401300.253	401300.253				mg/L
	As	75	1241.315	0.000	0.000039	0.000	37.583	mg/L
	Se	77	305.342	0.000	0.000104	0.000	68.118	mg/L
	Se	82	24.002	0.000	0.000043	0.000	69.435	mg/L
>	Rh	103	299638.536	299638.536				mg/L
	Ag	107	343.678	0.001	0.000019	0.000	33.971	mg/L
	Cd	111	12.233	-0.000	-0.000000	0.000	234.597	mg/L
	Cd	114	46.710	0.000	0.000003	0.000	24.725	mg/L
	Tl	203	84.001	0.000	0.000004	0.000	29.758	mg/L
	Tl	205	174.337	0.000	0.000004	0.000	19.919	mg/L
	Pb	208	537.345	0.001	0.000008	0.000	36.013	mg/L
>	Bi	209	345494.438	345494.438				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.929
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	91.060
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.635
	Ag	106.905	

00645

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	95.545

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	236732.788	236732.788		mg/L
Be	9	5.000	0.000	0.000008	mg/L
V	51	6145.477	0.002	0.000041	mg/L
Cr	52	18481.884	0.004	0.000129	mg/L
Cr	53	4440.227	0.000	0.000088	mg/L
Co	59	123.003	0.000	0.000002	mg/L
Cu	63	384.013	0.000	0.000011	mg/L
Cu	65	213.005	0.000	0.000012	mg/L
Zn	66	286.008	0.000	0.000025	mg/L
Zn	68	1924.241	0.000	0.000005	mg/L
Ge	72	411739.557	411738.557		mg/L
As	75	1251.312	0.000	0.000033	mg/L
Se	77	293.008	0.000	0.000034	mg/L
Se	82	31.628	0.000	0.000081	mg/L
Rh	103	294710.809	294710.809		mg/L
Ag	107	452.017	0.001	0.000028	mg/L
Cd	111	9.992	0.000	0.000001	mg/L
Cd	114	54.251	0.000	0.000004	mg/L
In	203	97.002	0.000	0.000008	mg/L
Tl	205	186.004	0.000	0.000005	mg/L
Pb	208	618.015	0.001	0.000008	mg/L
Bi	209	344794.811	344794.811		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	228183.109	228183.109		mg/L
Be	9	9.000	0.000	0.000023	mg/L
V	51	5733.519	0.001	0.000033	mg/L
Cr	52	18401.478	0.004	0.000119	mg/L
Cr	53	4191.098	0.000	0.000083	mg/L
Co	59	110.002	0.000	0.000002	mg/L
Cu	63	108.008	0.000	0.000004	mg/L
Cu	65	195.004	0.000	0.000010	mg/L
Zn	66	292.008	-0.000	-0.000017	mg/L
Zn	68	1920.240	0.000	0.000048	mg/L
Ge	72	391974.851	391974.851		mg/L
As	75	1175.378	0.000	0.000029	mg/L
Se	77	298.008	0.000	0.000103	mg/L
Se	82	29.929	0.000	0.000080	mg/L
Rh	103	303198.214	303198.214		mg/L
Ag	107	341.010	0.001	0.000019	mg/L
Cd	111	12.881	0.000	-0.000000	mg/L
Cd	114	44.302	0.000	0.000003	mg/L
In	203	89.001	0.000	0.000008	mg/L
Tl	205	179.004	0.000	0.000004	mg/L
Pb	208	542.012	0.001	0.000008	mg/L
Bi	209	347985.443	347985.443		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	228730.238	228730.238		mg/L
Be	9	5.000	0.000	0.000008	mg/L
V	51	6247.644	0.002	0.000058	mg/L
Cr	52	18714.177	0.004	0.000114	mg/L
Cr	53	4085.042	0.000	-0.000054	mg/L
Co	59	97.002	0.000	0.000001	mg/L
Cu	63	305.008	0.000	0.000003	mg/L
Cu	65	181.004	0.000	0.000005	mg/L
Zn	66	295.008	-0.000	0.000018	mg/L
Zn	68	1977.254	0.000	0.000058	mg/L
Ge	72	400186.562	400186.562		mg/L
As	75	1297.298	0.000	0.000058	mg/L
Se	77	325.010	0.000	0.000178	mg/L
Se	82	10.453	0.000	0.000009	mg/L
Rh	103	301005.788	301005.788		mg/L
Ag	107	738.008	0.001	0.000013	mg/L
Cd	111	13.828	0.000	0.000000	mg/L
Cd	114	41.577	0.000	0.000003	mg/L
In	203	46.001	0.000	0.000003	mg/L
Tl	205	148.003	0.000	0.000003	mg/L
Pb	208	452.009	0.000	0.000004	mg/L
Bi	209	343703.080	343703.080		mg/L

: 00646

Sample Information

Sample ID: 1001254-03
Autosampler Position: 37
Sample Date/Time: Monday, January 25, 2010 12:42:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-03.041
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	244876.724	244876.724				mg/L
	Be	9	183.004	0.001	0.000693	0.000	5.205	mg/L
	V	51	732096.892	1.593	0.039746	0.000	0.494	mg/L
	Cr	52	432010.446	0.905	0.026299	0.000	1.193	mg/L
	Cr	53	52090.155	0.104	0.025187	0.000	0.881	mg/L
	Co	59	217760.087	0.477	0.011560	0.000	1.050	mg/L
	Cu	63	195014.648	0.427	0.020226	0.000	2.083	mg/L
	Cu	65	95753.309	0.210	0.020266	0.001	3.153	mg/L
	Zn	66	181426.436	0.397	0.061504	0.002	3.648	mg/L
	Zn	68	157368.330	0.341	0.066025	0.001	2.248	mg/L
>	Ge	72	455901.210	455901.210				mg/L
	As	75	93611.952	0.203	0.022987	0.000	1.448	mg/L
	Se	77	637.697	0.001	0.001004	0.000	6.059	mg/L
	Se	82	101.395	0.000	0.000211	0.000	40.682	mg/L
>	Rh	103	306280.749	306280.749				mg/L
	Ag	107	2563.420	0.008	0.000148	0.000	0.731	mg/L
	Cd	111	3090.779	0.010	0.000752	0.000	6.542	mg/L
	Cd	114	3015.170	0.010	0.000322	0.000	1.265	mg/L
	Tl	203	2857.185	0.008	0.000218	0.000	4.034	mg/L
	Tl	205	6826.197	0.018	0.000216	0.000	2.827	mg/L
	Pb	208	1287165.972	3.445	0.029947	0.001	2.359	mg/L
>	Bi	209	373572.565	373572.565				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.891
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.449
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	105.932
	Ag	106.905	

20647

	Cd	110.904	
	Cd	113.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	103.310

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	251328.123	251328.123		mg/L
Be	9	191.004	0.001	0.000705	mg/L
V	51	729758.870	1.584	0.039524	mg/L
Cr	52	428198.887	0.884	0.025972	mg/L
Cr	53	52417.884	0.104	0.025286	mg/L
Co	59	217838.217	0.477	0.011547	mg/L
Cu	63	181414.297	0.418	0.019805	mg/L
Cu	65	84354.083	0.208	0.019923	mg/L
Zn	66	175403.484	0.383	0.058317	mg/L
Zn	68	154230.668	0.333	0.064537	mg/L
Ge	72	458870.401	458870.401		mg/L
As	75	92583.443	0.200	0.022879	mg/L
Se	77	617.029	0.001	0.000935	mg/L
Se	82	143.084	0.000	0.000305	mg/L
Rh	103	303978.783	303978.783		mg/L
Ag	107	2523.407	0.008	0.000148	mg/L
Cd	111	3285.353	0.011	0.000800	mg/L
Cd	114	3031.702	0.010	0.000328	mg/L
Tl	203	2768.467	0.007	0.000709	mg/L
Tl	205	6742.794	0.018	0.000211	mg/L
Pb	208	1270503.021	3.365	0.029251	mg/L
Bi	209	377452.814	377452.814		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	241386.515	241386.515		mg/L
Be	9	170.003	0.001	0.000653	mg/L
V	51	731088.516	1.585	0.039817	mg/L
Cr	52	430482.138	0.904	0.026288	mg/L
Cr	53	57201.510	0.104	0.025333	mg/L
Co	59	219508.654	0.483	0.011668	mg/L
Cu	63	194388.172	0.427	0.020225	mg/L
Cu	65	93589.649	0.208	0.019872	mg/L
Zn	66	180540.521	0.398	0.061394	mg/L
Zn	68	154888.833	0.341	0.068034	mg/L
Ge	72	454478.384	454478.384		mg/L
As	75	34735.868	0.208	0.023340	mg/L
Se	77	651.032	0.001	0.001061	mg/L
Se	82	58.122	0.000	0.000136	mg/L
Rh	103	308781.112	308781.112		mg/L
Ag	107	2582.428	0.008	0.000148	mg/L
Cd	111	3102.317	0.010	0.000763	mg/L
Cd	114	3016.178	0.010	0.000321	mg/L
Tl	203	2648.515	0.008	0.000718	mg/L
Tl	205	6988.009	0.018	0.000723	mg/L
Pb	208	1278808.528	3.442	0.029924	mg/L
Bi	209	371323.190	371323.190		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	241915.534	241915.534		mg/L
Be	9	188.004	0.001	0.000722	mg/L
V	51	735434.289	1.596	0.039887	mg/L
Cr	52	437370.336	0.918	0.026818	mg/L
Cr	53	51851.080	0.103	0.024932	mg/L
Co	59	215831.390	0.473	0.011448	mg/L
Cu	63	199233.474	0.436	0.020648	mg/L
Cu	65	95308.188	0.217	0.021003	mg/L
Zn	66	186335.283	0.412	0.063400	mg/L
Zn	68	160874.488	0.348	0.067508	mg/L
Ge	72	458258.848	458258.848		mg/L
As	75	93508.545	0.202	0.022942	mg/L
Se	77	645.031	0.001	0.001025	mg/L
Se	82	92.988	0.000	0.000192	mg/L
Rh	103	308104.341	308104.341		mg/L
Ag	107	2584.427	0.008	0.000148	mg/L
Cd	111	2904.688	0.008	0.000702	mg/L
Cd	114	2998.131	0.010	0.000318	mg/L
Tl	203	2954.553	0.008	0.000226	mg/L
Tl	205	6736.788	0.018	0.000214	mg/L
Pb	208	1312388.370	3.528	0.030684	mg/L
Bi	209	371841.881	371841.881		mg/L

Sample Information

Sample ID: 1001254-04
Autosampler Position: 38
Sample Date/Time: Monday, January 25, 2010 12:46:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-04.042
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	242971.273	242971.273				mg/L
	Be	9	495.686	0.002	0.001917	0.000	2.551	mg/L
	V	51	834415.841	1.800	0.044935	0.001	1.810	mg/L
	Cr	52	569617.598	1.195	0.034748	0.001	2.330	mg/L
	Cr	53	67282.542	0.136	0.032954	0.001	2.240	mg/L
	Co	59	209792.114	0.456	0.011038	0.000	1.851	mg/L
	Cu	63	775514.080	1.685	0.079805	0.000	0.166	mg/L
	Cu	65	381028.754	0.828	0.080031	0.001	0.800	mg/L
	Zn	66	662902.273	1.440	0.223073	0.004	1.965	mg/L
	Zn	68	559938.471	1.213	0.235089	0.002	0.819	mg/L
>	Ge	72	460053.872	460053.872				mg/L
	As	75	76922.960	0.164	0.018604	0.000	2.642	mg/L
	Se	77	910.059	0.001	0.001822	0.000	9.931	mg/L
	Se	82	524.979	0.001	0.001160	0.000	7.979	mg/L
>	Rh	103	294491.130	294491.130				mg/L
	Ag	107	2865.188	0.010	0.000172	0.000	1.148	mg/L
	Cd	111	3304.264	0.011	0.000836	0.000	1.739	mg/L
	Cd	114	3076.446	0.010	0.000341	0.000	3.680	mg/L
	Tl	203	5416.147	0.014	0.000416	0.000	0.299	mg/L
	Tl	205	13201.915	0.035	0.000421	0.000	0.774	mg/L
	Pb	208	2885585.519	7.753	0.067393	0.001	0.895	mg/L
>	Bi	209	372151.097	372151.097				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.098
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.392
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.855
	Ag	106.905	

	Cd	110.904	
	Cd	113.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	102.917

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	8	248389.110	248389.110		mg/L
Be	9	517.021	0.002	0.001873	mg/L
V	51	449808.496	1.638	0.045680	mg/L
Cr	52	581835.386	1.226	0.035828	mg/L
Cr	53	67641.083	0.137	0.033244	mg/L
Co	59	211462.456	0.481	0.011156	mg/L
Cu	63	771700.453	1.682	0.079853	mg/L
Cu	65	377044.755	0.822	0.079431	mg/L
Zn	66	657883.588	1.433	0.227022	mg/L
Zn	68	554429.078	1.204	0.233464	mg/L
Ge	72	458670.083	458670.083		mg/L
As	75	76977.898	0.166	0.018731	mg/L
Se	77	685.056	0.001	0.001753	mg/L
Se	82	486.222	0.001	0.001081	mg/L
Rh	103	290729.322	290729.322		mg/L
Ag	107	2814.503	0.010	0.000171	mg/L
Cd	111	3200.567	0.011	0.000870	mg/L
Cd	114	3151.234	0.011	0.000364	mg/L
Tl	203	5418.814	0.015	0.000418	mg/L
Tl	205	13729.625	0.036	0.000433	mg/L
Pb	208	2848678.827	7.679	0.068750	mg/L
Bi	209	370954.280	370954.280		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241114.814	241114.814		mg/L
Be	9	487.019	0.002	0.001898	mg/L
V	51	814509.251	1.778	0.044330	mg/L
Cr	52	581028.808	1.190	0.034584	mg/L
Cr	53	67808.808	0.138	0.033502	mg/L
Co	59	208770.473	0.481	0.011154	mg/L
Cu	63	764082.234	1.667	0.079088	mg/L
Cu	65	380157.527	0.835	0.080708	mg/L
Zn	66	670088.309	1.471	0.227887	mg/L
Zn	68	558882.350	1.223	0.237217	mg/L
Ge	72	455158.018	455158.018		mg/L
As	75	77950.688	0.169	0.019120	mg/L
Se	77	987.088	0.001	0.002028	mg/L
Se	82	564.348	0.001	0.001282	mg/L
Rh	103	295810.581	295810.581		mg/L
Ag	107	2854.517	0.010	0.000170	mg/L
Cd	111	3369.843	0.011	0.000849	mg/L
Cd	114	3980.174	0.010	0.000329	mg/L
Tl	203	5436.829	0.014	0.000415	mg/L
Tl	205	13334.784	0.035	0.000423	mg/L
Pb	208	2906312.833	7.763	0.067481	mg/L
Bi	209	374581.737	374581.737		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241399.886	241399.886		mg/L
Be	9	483.018	0.002	0.001881	mg/L
V	51	838829.678	1.788	0.044615	mg/L
Cr	52	565886.782	1.171	0.034024	mg/L
Cr	53	66588.738	0.132	0.032115	mg/L
Co	59	208143.414	0.446	0.010802	mg/L
Cu	63	786778.552	1.688	0.079874	mg/L
Cu	65	385883.881	0.827	0.079987	mg/L
Zn	66	660723.922	1.416	0.219310	mg/L
Zn	68	564383.964	1.210	0.234586	mg/L
Ge	72	468335.514	468335.514		mg/L
As	75	75640.816	0.160	0.018141	mg/L
Se	77	878.058	0.001	0.001887	mg/L
Se	82	522.368	0.001	0.001138	mg/L
Rh	103	296833.487	296833.487		mg/L
Ag	107	2926.543	0.010	0.000174	mg/L
Cd	111	3342.391	0.011	0.000838	mg/L
Cd	114	3087.931	0.010	0.000341	mg/L
Tl	203	5382.796	0.014	0.000416	mg/L
Tl	205	13041.327	0.035	0.000417	mg/L
Pb	208	2898085.286	7.817	0.067847	mg/L
Bi	209	370807.284	370807.284		mg/L

: 00650

Sample Information

Sample ID: 1001254-05
Autosampler Position: 39
Sample Date/Time: Monday, January 25, 2010 12:49:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-05.043
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	241278.574	241278.574				mg/L
	Be	9	180.670	0.001	0.000695	0.000	7.383	mg/L
	V	51	937848.839	2.076	0.051816	0.001	1.687	mg/L
	Cr	52	488168.327	1.045	0.030370	0.000	0.762	mg/L
	Cr	53	59021.968	0.121	0.029371	0.001	2.859	mg/L
	Co	59	292272.661	0.651	0.015762	0.000	0.785	mg/L
	Cu	63	511423.650	1.139	0.053935	0.000	0.248	mg/L
	Cu	65	250909.679	0.559	0.054008	0.001	1.243	mg/L
	Zn	66	230400.766	0.512	0.079375	0.000	0.507	mg/L
	Zn	68	196881.677	0.434	0.084149	0.000	0.380	mg/L
>	Ge	72	448820.100	448820.100				mg/L
	As	75	75586.680	0.166	0.018797	0.000	0.480	mg/L
	Se	77	766.376	0.001	0.001440	0.000	6.772	mg/L
	Se	82	163.331	0.000	0.000357	0.000	33.654	mg/L
>	Rh	103	286106.230	286106.230				mg/L
	Ag	107	1782.542	0.006	0.000110	0.000	2.676	mg/L
	Cd	111	2760.369	0.010	0.000718	0.000	2.955	mg/L
	Cd	114	2515.906	0.009	0.000287	0.000	0.680	mg/L
	Tl	203	2747.814	0.008	0.000226	0.000	2.538	mg/L
	Tl	205	6658.059	0.019	0.000228	0.000	2.762	mg/L
	Pb	208	2033060.000	5.879	0.051103	0.001	2.747	mg/L
>	Bi	209	345964.713	345964.713				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.394
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.843
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.955
	Ag	106.905	

: 00651

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	95.675

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	246257.087	246257.087		mg/L
Be	9	186.004	0.001	0.000698	mg/L
V	51	980881.884	2.113	0.052726	mg/L
Cr	52	495403.203	1.053	0.030822	mg/L
Cr	53	60128.756	0.123	0.029790	mg/L
Co	59	283728.782	0.650	0.015733	mg/L
Cu	63	513846.453	1.134	0.053824	mg/L
Cu	65	249416.983	0.552	0.053321	mg/L
Zn	66	232921.560	0.515	0.079702	mg/L
Zn	68	196882.787	0.435	0.084351	mg/L
Ge	72	451877.588	451877.588		mg/L
As	75	75814.298	0.185	0.018725	mg/L
Se	77	736.040	0.001	0.001328	mg/L
Se	82	179.467	0.000	0.000392	mg/L
Rh	103	287083.088	287083.088		mg/L
Ag	107	1783.204	0.008	0.000108	mg/L
Cd	111	2618.518	0.010	0.000731	mg/L
Cd	114	2520.783	0.008	0.000287	mg/L
Tl	203	2828.508	0.008	0.000225	mg/L
Tl	205	6875.740	0.018	0.000221	mg/L
Pb	208	2038356.988	5.687	0.049522	mg/L
Bi	209	357911.977	357911.977		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	238989.188	238989.188		mg/L
Be	9	168.003	0.001	0.000643	mg/L
V	51	817457.141	2.043	0.050983	mg/L
Cr	52	482222.673	1.038	0.030168	mg/L
Cr	53	58753.056	0.123	0.029954	mg/L
Co	59	284608.388	0.647	0.015655	mg/L
Cu	63	508109.145	1.138	0.053698	mg/L
Cu	65	249814.748	0.558	0.054041	mg/L
Zn	66	229415.267	0.513	0.078497	mg/L
Zn	68	194888.501	0.432	0.083780	mg/L
Ge	72	446217.438	446217.438		mg/L
As	75	75548.686	0.187	0.018688	mg/L
Se	77	784.045	0.001	0.001509	mg/L
Se	82	205.392	0.000	0.000457	mg/L
Rh	103	288382.831	288382.831		mg/L
Ag	107	1774.207	0.008	0.000108	mg/L
Cd	111	2838.240	0.010	0.000730	mg/L
Cd	114	2563.277	0.009	0.000288	mg/L
Tl	203	2658.461	0.008	0.000221	mg/L
Tl	205	6867.733	0.018	0.000230	mg/L
Pb	208	2030735.808	5.934	0.051582	mg/L
Bi	209	342169.846	342169.846		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	238813.467	238813.467		mg/L
Be	9	180.004	0.001	0.000746	mg/L
V	51	835427.513	2.073	0.051737	mg/L
Cr	52	486879.104	1.043	0.030318	mg/L
Cr	53	57183.080	0.117	0.028408	mg/L
Co	59	294484.833	0.657	0.015898	mg/L
Cu	63	512315.351	1.142	0.054084	mg/L
Cu	65	253887.338	0.565	0.054982	mg/L
Zn	66	228865.450	0.510	0.078478	mg/L
Zn	68	197082.743	0.435	0.084314	mg/L
Ge	72	448366.284	448366.284		mg/L
As	75	75388.048	0.185	0.018789	mg/L
Se	77	779.044	0.001	0.001482	mg/L
Se	82	165.135	0.000	0.000224	mg/L
Rh	103	281652.871	281652.871		mg/L
Ag	107	1810.215	0.008	0.000113	mg/L
Cd	111	2626.348	0.009	0.000684	mg/L
Cd	114	2463.877	0.009	0.000785	mg/L
Tl	203	2757.484	0.008	0.000232	mg/L
Tl	205	6830.703	0.019	0.000732	mg/L
Pb	208	2029068.423	6.006	0.052705	mg/L
Bi	209	337812.317	337812.317		mg/L

Sample Information

Sample ID: 1001254-06
Autosampler Position: 40
Sample Date/Time: Monday, January 25, 2010 12:52:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-06.044
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	255127.845	255127.845				mg/L
	Be	9	111.669	0.000	0.000400	0.000	9.146	mg/L
	V	51	382382.509	0.851	0.021240	0.000	1.187	mg/L
	Cr	52	254547.033	0.533	0.015481	0.000	1.298	mg/L
	Cr	53	31684.779	0.061	0.014845	0.000	2.284	mg/L
	Co	59	115180.168	0.260	0.006300	0.000	2.660	mg/L
	Cu	63	135913.408	0.307	0.014518	0.000	1.482	mg/L
	Cu	65	66277.512	0.149	0.014446	0.000	1.169	mg/L
	Zn	66	122878.103	0.277	0.042893	0.001	2.815	mg/L
	Zn	68	107322.778	0.238	0.046139	0.001	1.927	mg/L
>	Ge	72	442408.041	442408.041				mg/L
	As	75	29948.955	0.065	0.007369	0.000	1.269	mg/L
	Se	77	492.686	0.000	0.000602	0.000	17.784	mg/L
	Se	82	86.360	0.000	0.000184	0.000	30.855	mg/L
>	Rh	103	298780.579	298780.579				mg/L
	Ag	107	831.383	0.003	0.000048	0.000	4.636	mg/L
	Cd	111	1206.943	0.004	0.000299	0.000	6.602	mg/L
	Cd	114	997.371	0.003	0.000108	0.000	2.653	mg/L
	Tl	203	1408.800	0.004	0.000111	0.000	3.612	mg/L
	Tl	205	3446.414	0.010	0.000114	0.000	2.241	mg/L
	Pb	208	916063.378	2.574	0.022378	0.000	1.899	mg/L
>	Bi	209	355749.632	355749.632				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	106.157
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.388
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.338
	Ag	106.905	

: 00653

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.381

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	262108.821	262108.821		mg/L
Be	9	126.002	0.000	0.000441	mg/L
V	51	377201.808	0.846	0.021108	mg/L
Cr	52	255388.153	0.539	0.015658	mg/L
Cr	53	32158.291	0.083	0.015234	mg/L
Co	59	1173361.249	0.267	0.008475	mg/L
Cu	63	136018.424	0.308	0.014638	mg/L
Cu	65	66375.858	0.151	0.014574	mg/L
Zn	66	125730.638	0.286	0.044212	mg/L
Zn	68	108525.189	0.242	0.047013	mg/L
Ge	72	439144.081	439144.081		mg/L
As	75	29462.228	3.364	0.007301	mg/L
Se	77	508.021	0.000	0.000885	mg/L
Se	82	105.011	0.000	0.000229	mg/L
Rh	103	298788.888	298788.888		mg/L
Ag	107	853.082	0.003	0.000080	mg/L
Cd	111	1255.881	0.004	0.000313	mg/L
Cd	114	980.551	0.003	0.000107	mg/L
Tl	203	1370.128	0.004	0.000107	mg/L
Tl	205	3508.772	0.010	0.000115	mg/L
Pb	208	912586.881	2.540	0.022080	mg/L
Bi	209	359150.808	359150.808		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	250279.244	250279.244		mg/L
Be	9	102.002	0.000	0.000372	mg/L
V	51	364515.579	0.845	0.021086	mg/L
Cr	52	254472.448	0.525	0.015262	mg/L
Cr	53	31988.367	0.080	0.014613	mg/L
Co	59	1137561.298	0.254	0.008142	mg/L
Cu	63	135325.268	0.301	0.014270	mg/L
Cu	65	66247.945	0.147	0.014254	mg/L
Zn	66	121435.802	0.270	0.041841	mg/L
Zn	68	105828.908	0.233	0.045238	mg/L
Ge	72	448084.252	448084.252		mg/L
As	75	30188.054	0.085	0.007332	mg/L
Se	77	460.017	0.000	0.000478	mg/L
Se	82	60.038	0.000	0.000120	mg/L
Rh	103	298774.585	298774.585		mg/L
Ag	107	850.052	0.003	0.000048	mg/L
Cd	111	1120.942	0.004	0.000277	mg/L
Cd	114	1030.304	0.003	0.000111	mg/L
Tl	203	1454.141	0.004	0.000115	mg/L
Tl	205	3356.709	0.009	0.000111	mg/L
Pb	208	907040.320	2.553	0.022189	mg/L
Bi	209	358208.818	358208.818		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	252986.470	252986.470		mg/L
Be	9	107.002	0.000	0.000366	mg/L
V	51	365430.141	0.583	0.021531	mg/L
Cr	52	253803.488	0.534	0.015523	mg/L
Cr	53	31229.720	3.081	0.014666	mg/L
Co	59	1142247.958	0.259	0.008283	mg/L
Cu	63	136366.533	0.308	0.014648	mg/L
Cu	65	66208.634	0.150	0.014508	mg/L
Zn	66	121468.070	0.275	0.042628	mg/L
Zn	68	108814.259	0.238	0.046168	mg/L
Ge	72	439865.780	439865.780		mg/L
As	75	30196.584	0.088	0.007478	mg/L
Se	77	508.021	0.000	0.000882	mg/L
Se	82	94.033	0.000	0.000202	mg/L
Rh	103	299800.472	299800.472		mg/L
Ag	107	791.045	0.003	0.000046	mg/L
Cd	111	1243.935	0.004	0.000307	mg/L
Cd	114	981.258	0.003	0.000108	mg/L
Tl	203	1402.132	0.004	0.000112	mg/L
Tl	205	3477.760	0.010	0.000118	mg/L
Pb	208	923581.132	2.630	0.022865	mg/L
Bi	209	352891.472	352891.472		mg/L

: 00654

Sample Information

Sample ID: 1001254-07
Autosampler Position: 41
Sample Date/Time: Monday, January 25, 2010 12:56:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-07.045
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	274001.020	274001.020				mg/L
	Be	9	290.008	0.001	0.000988	0.000	0.067	mg/L
	V	51	672957.844	1.451	0.036214	0.001	1.879	mg/L
	Cr	52	469121.383	0.978	0.028426	0.000	0.870	mg/L
	Cr	53	53464.852	0.106	0.025694	0.000	0.993	mg/L
	Co	59	52752.311	0.115	0.002775	0.000	1.942	mg/L
	Cu	63	751572.853	1.635	0.077440	0.001	1.723	mg/L
	Cu	65	357137.130	0.777	0.075106	0.001	1.971	mg/L
	Zn	66	508360.440	1.105	0.171212	0.001	0.668	mg/L
	Zn	68	420380.119	0.910	0.176464	0.002	1.293	mg/L
>	Ge	72	459549.826	459549.826				mg/L
	As	75	18050.187	0.037	0.004146	0.000	1.817	mg/L
	Se	77	665.033	0.001	0.001070	0.000	13.740	mg/L
	Se	82	343.018	0.001	0.000751	0.000	19.579	mg/L
>	Rh	103	297715.562	297715.562				mg/L
	Ag	107	1962.918	0.007	0.000116	0.000	3.407	mg/L
	Cd	111	2905.591	0.010	0.000727	0.000	6.336	mg/L
	Cd	114	1715.212	0.006	0.000187	0.000	1.554	mg/L
	Tl	203	2383.032	0.008	0.000184	0.000	6.049	mg/L
	Tl	205	5529.556	0.015	0.000177	0.000	2.207	mg/L
	Pb	208	797611.053	2.165	0.018819	0.000	1.752	mg/L
>	Bi	209	368299.930	368299.930				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	114.010
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.277
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.970
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.852

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	276884.817	276884.817		mg/L
Be	9	283.008	0.001	0.000988	mg/L
V	51	683034.010	1.456	0.036332	mg/L
Cr	52	498810.432	0.976	0.028368	mg/L
Cr	53	52563.780	0.108	0.025722	mg/L
Co	59	52528.558	0.116	0.002813	mg/L
Cu	63	751801.658	1.649	0.078459	mg/L
Cu	65	356127.814	0.789	0.076243	mg/L
Zn	66	502847.815	1.113	0.172427	mg/L
Zn	68	411633.505	0.907	0.175931	mg/L
Ge	72	451333.248	451333.248		mg/L
As	75	18047.840	0.037	0.004225	mg/L
Se	77	525.030	0.001	0.000884	mg/L
Se	82	308.112	0.001	0.000887	mg/L
Rh	103	298462.388	298462.388		mg/L
Ag	107	1981.250	0.007	0.000116	mg/L
Cd	111	3011.531	0.010	0.000752	mg/L
Cd	114	1713.018	0.006	0.000167	mg/L
Tl	203	2248.325	0.008	0.000171	mg/L
Tl	205	5458.843	0.015	0.000173	mg/L
Pb	208	786888.488	2.121	0.018438	mg/L
Bi	209	372248.168	372248.168		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	264808.210	264808.210		mg/L
Be	9	282.008	0.001	0.000887	mg/L
V	51	661048.240	1.423	0.035482	mg/L
Cr	52	468852.282	0.971	0.028213	mg/L
Cr	53	54083.271	0.107	0.025834	mg/L
Co	59	53338.668	0.118	0.002786	mg/L
Cu	63	751880.448	1.631	0.077250	mg/L
Cu	65	360831.587	0.783	0.075843	mg/L
Zn	66	508156.193	1.104	0.171053	mg/L
Zn	68	427352.005	0.923	0.178885	mg/L
Ge	72	460882.825	460882.825		mg/L
As	75	17813.408	0.036	0.004076	mg/L
Se	77	639.031	0.001	0.000987	mg/L
Se	82	297.079	0.001	0.000848	mg/L
Rh	103	299681.298	299681.298		mg/L
Ag	107	2045.271	0.007	0.000120	mg/L
Cd	111	1036.770	0.010	0.000759	mg/L
Cd	114	1755.828	0.006	0.000181	mg/L
Tl	203	2463.388	0.007	0.000182	mg/L
Tl	205	5579.823	0.015	0.000181	mg/L
Pb	208	748223.117	2.165	0.018983	mg/L
Bi	209	364268.686	364268.686		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	278533.033	278533.033		mg/L
Be	9	295.008	0.001	0.000988	mg/L
V	51	694783.281	1.478	0.036627	mg/L
Cr	52	480701.435	0.987	0.028897	mg/L
Cr	53	53779.508	0.105	0.025426	mg/L
Co	59	52389.687	0.112	0.002713	mg/L
Cu	63	751728.258	1.609	0.076211	mg/L
Cu	65	354881.911	0.760	0.073432	mg/L
Zn	66	513078.212	1.098	0.170157	mg/L
Zn	68	422154.848	0.900	0.174497	mg/L
Ge	72	466853.803	466853.803		mg/L
As	75	18288.314	0.038	0.004135	mg/L
Se	77	731.038	0.001	0.001240	mg/L
Se	82	423.884	0.001	0.000820	mg/L
Rh	103	294862.888	294862.888		mg/L
Ag	107	1882.231	0.006	0.000112	mg/L
Cd	111	2688.472	0.009	0.000674	mg/L
Cd	114	1676.991	0.006	0.000185	mg/L
Tl	203	2439.381	0.007	0.000188	mg/L
Tl	205	5546.907	0.015	0.000178	mg/L
Pb	208	608643.575	2.169	0.019026	mg/L
Bi	209	368383.927	368383.927		mg/L

: 00656

Sample Information

Sample ID: 1001254-08
Autosampler Position: 42
Sample Date/Time: Monday, January 25, 2010 12:59:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-08.046
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	282851.987	282851.987				mg/L
	Be	9	224.339	0.001	0.000736	0.000	7.134	mg/L
	V	51	546631.818	1.177	0.029368	0.001	2.358	mg/L
	Cr	52	426161.738	0.885	0.025719	0.000	1.186	mg/L
	Cr	53	48623.600	0.095	0.023144	0.000	0.823	mg/L
	Co	59	51394.515	0.112	0.002703	0.000	0.764	mg/L
	Cu	63	785717.219	1.710	0.080972	0.001	1.500	mg/L
	Cu	65	380618.453	0.828	0.080056	0.001	1.392	mg/L
	Zn	66	526904.463	1.146	0.177471	0.002	0.850	mg/L
	Zn	68	422097.306	0.914	0.177206	0.002	0.916	mg/L
>	Ge	72	459454.650	459454.650				mg/L
	As	75	14081.556	0.028	0.003165	0.000	3.038	mg/L
	Se	77	657.699	0.001	0.001050	0.000	11.694	mg/L
	Se	82	350.595	0.001	0.000769	0.000	15.429	mg/L
>	Rh	103	288249.136	288249.136				mg/L
	Ag	107	1514.153	0.005	0.000092	0.000	3.770	mg/L
	Cd	111	2193.760	0.008	0.000566	0.000	3.308	mg/L
	Cd	114	1631.635	0.006	0.000184	0.000	0.766	mg/L
	Tl	203	1642.512	0.005	0.000131	0.000	4.594	mg/L
	Tl	205	3888.613	0.011	0.000129	0.000	4.244	mg/L
	Pb	208	555161.154	1.565	0.013608	0.000	3.229	mg/L
>	Bi	209	354533.214	354533.214				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	117.692
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.256
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.696
	Ag	106.905	

: 00657

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.044

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	288843.028	288843.028		mg/L
Be	9	235.008	0.001	0.000781	mg/L
V	51	551758.758	1.208	0.030161	mg/L
Cr	52	424279.811	0.887	0.028084	mg/L
Cr	53	46704.488	0.086	0.023364	mg/L
Co	59	50858.828	0.113	0.002727	mg/L
Cu	63	785408.851	1.738	0.082338	mg/L
Cu	65	378182.828	0.837	0.080818	mg/L
Zn	66	512778.458	1.135	0.175731	mg/L
Zn	68	411217.708	0.908	0.175846	mg/L
Ge	72	451588.033	451588.033		mg/L
As	75	13708.974	0.028	0.003133	mg/L
Se	77	656.033	0.001	0.001080	mg/L
Se	82	302.803	0.001	0.000874	mg/L
Rh	103	282081.757	282081.757		mg/L
Ag	107	1568.183	0.005	0.000084	mg/L
Cd	111	2182.853	0.007	0.000556	mg/L
Cd	114	1863.112	0.006	0.000185	mg/L
Tl	203	1585.187	0.004	0.000124	mg/L
Tl	205	3755.884	0.010	0.000123	mg/L
Pb	208	542188.196	1.507	0.013101	mg/L
Bi	209	358524.215	359524.215		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	278502.055	278502.055		mg/L
Be	9	203.008	0.001	0.000678	mg/L
V	51	543307.881	1.157	0.028462	mg/L
Cr	52	426819.738	0.877	0.025465	mg/L
Cr	53	46935.750	0.086	0.023046	mg/L
Co	59	51826.941	0.111	0.002688	mg/L
Cu	63	789008.870	1.701	0.080569	mg/L
Cu	65	378507.908	0.815	0.078798	mg/L
Zn	66	534636.423	1.151	0.178271	mg/L
Zn	68	430401.101	0.923	0.178846	mg/L
Ge	72	484148.313	484148.313		mg/L
As	75	14488.733	0.029	0.003274	mg/L
Se	77	588.036	0.001	0.001155	mg/L
Se	82	413.486	0.001	0.000902	mg/L
Rh	103	261075.350	261075.350		mg/L
Ag	107	1412.134	0.005	0.000088	mg/L
Cd	111	2221.445	0.008	0.000586	mg/L
Cd	114	1595.381	0.006	0.000186	mg/L
Tl	203	1658.181	0.005	0.000132	mg/L
Tl	205	4001.005	0.011	0.000133	mg/L
Pb	208	583687.788	1.581	0.013833	mg/L
Bi	209	354124.158	354124.158		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	283210.878	283210.878		mg/L
Be	9	235.008	0.001	0.000771	mg/L
V	51	544831.035	1.164	0.029081	mg/L
Cr	52	427385.888	0.881	0.025608	mg/L
Cr	53	46736.951	0.086	0.023033	mg/L
Co	59	51588.775	0.111	0.002688	mg/L
Cu	63	781838.333	1.686	0.080010	mg/L
Cu	65	385164.824	0.832	0.080450	mg/L
Zn	66	533298.908	1.152	0.178412	mg/L
Zn	68	424873.108	0.913	0.177082	mg/L
Ge	72	462617.605	462617.605		mg/L
As	75	13888.955	0.027	0.003080	mg/L
Se	77	616.023	0.001	0.000815	mg/L
Se	82	335.686	0.001	0.000731	mg/L
Rh	103	291580.301	291580.301		mg/L
Ag	107	1582.162	0.005	0.000094	mg/L
Cd	111	2178.884	0.007	0.000586	mg/L
Cd	114	1638.401	0.006	0.000183	mg/L
Tl	203	1687.184	0.005	0.000136	mg/L
Tl	205	3908.954	0.011	0.000131	mg/L
Pb	208	556429.503	1.598	0.013848	mg/L
Bi	209	349951.264	349951.264		mg/L

: 00658

Sample Information

Sample ID: 1001254-09
Autosampler Position: 43
Sample Date/Time: Monday, January 25, 2010 13:03:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-09.047
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	274340.599	274340.599				mg/L
	Be	9	91.001	0.000	0.000301	0.000	11.549	mg/L
	V	51	461620.056	0.975	0.024346	0.000	1.589	mg/L
	Cr	52	295450.659	0.590	0.017151	0.001	2.958	mg/L
	Cr	53	35674.896	0.066	0.016006	0.000	0.546	mg/L
	Co	59	47397.567	0.101	0.002453	0.000	0.635	mg/L
	Cu	63	153830.433	0.329	0.015573	0.000	1.369	mg/L
	Cu	65	74991.038	0.160	0.015490	0.000	1.446	mg/L
	Zn	66	81510.576	0.174	0.026909	0.000	1.791	mg/L
	Zn	68	85413.195	0.178	0.034569	0.001	2.335	mg/L
>	Ge	72	466873.938	466873.938				mg/L
	As	75	14675.972	0.029	0.003255	0.000	1.011	mg/L
	Se	77	464.351	0.000	0.000433	0.000	18.397	mg/L
	Se	82	56.776	0.000	0.000107	0.000	12.243	mg/L
>	Rh	103	287382.262	287382.262				mg/L
	Ag	107	694.369	0.002	0.000042	0.000	5.974	mg/L
	Cd	111	756.154	0.003	0.000194	0.000	3.908	mg/L
	Cd	114	371.636	0.001	0.000041	0.000	3.498	mg/L
	Tl	203	1346.789	0.004	0.000107	0.000	3.925	mg/L
	Tl	205	3218.988	0.009	0.000107	0.000	4.501	mg/L
	Pb	208	828576.587	2.343	0.020369	0.001	2.681	mg/L
>	Bi	209	353655.447	353655.447				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	114.151
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.939
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.396
	Ag	106.905	

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.802

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	292310.223	292310.223		mg/L
Be	9	85.001	0.000	0.000281	mg/L
V	51	460882.906	0.988	0.024083	mg/L
Cr	52	280283.182	0.574	0.016873	mg/L
Cr	53	16174.707	0.086	0.016108	mg/L
Co	59	46110.980	0.102	0.002488	mg/L
Cu	63	152832.242	0.324	0.015338	mg/L
Cu	65	75047.157	0.159	0.015388	mg/L
Zn	66	81048.026	0.171	0.028524	mg/L
Zn	68	85835.878	0.178	0.034480	mg/L
Ge	72	470910.389	470910.389		mg/L
As	75	14833.238	0.029	0.003282	mg/L
Se	77	462.019	0.000	0.000474	mg/L
Se	82	55.926	0.000	0.000104	mg/L
Rh	103	285343.841	285343.841		mg/L
Ag	107	643.031	0.002	0.000038	mg/L
Cd	111	727.189	0.003	0.000187	mg/L
Cd	114	363.078	0.001	0.000042	mg/L
Tl	203	1331.120	0.004	0.000104	mg/L
Tl	205	3335.701	0.009	0.000106	mg/L
Pb	208	822771.002	2.281	0.019829	mg/L
Bi	209	360548.087	360548.087		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	288418.244	288418.244		mg/L
Be	9	85.001	0.000	0.000323	mg/L
V	51	458879.780	0.983	0.024780	mg/L
Cr	52	303398.304	0.606	0.017643	mg/L
Cr	53	15473.697	0.086	0.015838	mg/L
Co	59	47294.297	0.101	0.002453	mg/L
Cu	63	155301.288	0.333	0.015754	mg/L
Cu	65	76064.510	0.163	0.015746	mg/L
Zn	66	82872.849	0.177	0.027450	mg/L
Zn	68	87273.487	0.183	0.035418	mg/L
Ge	72	465818.108	465818.108		mg/L
As	75	14782.868	0.029	0.003284	mg/L
Se	77	480.019	0.000	0.000484	mg/L
Se	82	51.536	0.000	0.000098	mg/L
Rh	103	284370.424	284370.424		mg/L
Ag	107	724.039	0.002	0.000044	mg/L
Cd	111	791.200	0.003	0.000202	mg/L
Cd	114	363.875	0.001	0.000040	mg/L
Tl	203	1438.138	0.004	0.000112	mg/L
Tl	205	3129.819	0.008	0.000101	mg/L
Pb	208	847303.863	2.342	0.020358	mg/L
Bi	209	361639.883	361639.883		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	284298.330	284298.330		mg/L
Be	9	93.001	0.000	0.000319	mg/L
V	51	455317.482	0.988	0.024164	mg/L
Cr	52	282989.513	0.586	0.017087	mg/L
Cr	53	15378.283	0.086	0.015873	mg/L
Co	59	46787.443	0.101	0.002437	mg/L
Cu	63	153357.770	0.330	0.015627	mg/L
Cu	65	73841.449	0.158	0.015353	mg/L
Zn	66	80510.861	0.173	0.029754	mg/L
Zn	68	83030.419	0.174	0.033809	mg/L
Ge	72	463783.342	463783.342		mg/L
As	75	14431.884	0.028	0.003319	mg/L
Se	77	431.015	0.000	0.000341	mg/L
Se	82	62.864	0.000	0.000122	mg/L
Rh	103	286432.520	286432.520		mg/L
Ag	107	716.038	0.002	0.000043	mg/L
Cd	111	750.084	0.003	0.000181	mg/L
Cd	114	368.155	0.001	0.000040	mg/L
Tl	203	1273.110	0.004	0.000108	mg/L
Tl	205	3191.843	0.009	0.000110	mg/L
Pb	208	815654.908	2.407	0.020921	mg/L
Bi	209	338778.382	338778.382		mg/L

: 00660

Sample Information

Sample ID: 1000579-MS1
Autosampler Position: 44
Sample Date/Time: Monday, January 25, 2010 13:06:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000579-MS1.048
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	259075.289	259075.289				mg/L
	Be	9	11283.083	0.044	0.041239	0.000	0.866	mg/L
	V	51	1198857.888	2.693	0.067208	0.000	0.348	mg/L
	Cr	52	927547.053	2.051	0.059615	0.001	1.212	mg/L
	Cr	53	113002.867	0.245	0.059349	0.001	1.073	mg/L
	Co	59	792292.897	1.788	0.043298	0.001	1.537	mg/L
	Cu	63	516311.777	1.165	0.055166	0.001	1.591	mg/L
	Cu	65	248684.668	0.561	0.054230	0.001	1.879	mg/L
	Zn	66	195329.825	0.440	0.068158	0.001	1.188	mg/L
	Zn	68	173437.396	0.387	0.075005	0.001	0.916	mg/L
>	Ge	72	443007.078	443007.078				mg/L
	As	75	155676.695	0.349	0.039560	0.000	0.174	mg/L
	Se	77	11061.115	0.024	0.034260	0.001	1.970	mg/L
	Se	82	14736.887	0.033	0.034331	0.000	0.892	mg/L
>	Rh	103	280864.236	280864.236				mg/L
	Ag	107	607487.105	2.163	0.038390	0.000	0.228	mg/L
	Cd	111	144989.055	0.516	0.038622	0.000	0.664	mg/L
	Cd	114	329121.780	1.172	0.038493	0.000	0.678	mg/L
	Tl	203	466366.228	1.360	0.039160	0.001	3.703	mg/L
	Tl	205	1113671.366	3.248	0.038726	0.001	3.044	mg/L
	Pb	208	2281929.340	6.654	0.057841	0.002	2.665	mg/L
>	Bi	209	343052.756	343052.756				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	107.799
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.524
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.142
	Ag	106.905	

: 00661

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	94.870

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	268436.859	268436.859		mg/L
Be	9	11580.183	0.043	0.040810	mg/L
V	51	1109787.849	2.680	0.087130	mg/L
Cr	52	925015.430	2.046	0.058484	mg/L
Cr	53	111864.522	0.242	0.056827	mg/L
Co	59	785879.283	1.774	0.042981	mg/L
Cu	63	517822.782	1.168	0.055336	mg/L
Cu	65	251883.922	0.568	0.054816	mg/L
Zn	66	197868.397	0.446	0.069022	mg/L
Zn	68	171618.880	0.383	0.074336	mg/L
Ge	72	443753.744	442752.744		mg/L
As	75	159738.674	0.348	0.039589	mg/L
Se	77	11142.556	0.024	0.034540	mg/L
Se	82	14578.476	0.033	0.033863	mg/L
Rh	103	276888.271	276888.271		mg/L
Ag	107	804942.072	2.168	0.038489	mg/L
Cd	111	143288.948	0.514	0.038431	mg/L
Cd	114	325803.281	1.167	0.038341	mg/L
In	203	468948.338	1.381	0.038170	mg/L
Tl	205	1119442.208	3.282	0.038883	mg/L
Pb	208	2260508.153	6.588	0.057253	mg/L
Bi	209	343158.321	343158.321		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	254100.348	254100.348		mg/L
Be	9	11054.436	0.043	0.041188	mg/L
V	51	1106189.480	2.588	0.087023	mg/L
Cr	52	918140.819	2.029	0.058067	mg/L
Cr	53	114358.432	0.248	0.060058	mg/L
Co	59	784436.403	1.770	0.042888	mg/L
Cu	63	507879.081	1.145	0.054213	mg/L
Cu	65	243445.139	0.549	0.053058	mg/L
Zn	66	193308.313	0.435	0.067417	mg/L
Zn	68	173433.848	0.387	0.074865	mg/L
Ge	72	443234.388	443234.388		mg/L
As	75	155818.191	0.349	0.038801	mg/L
Se	77	11720.681	0.025	0.034790	mg/L
Se	82	14800.141	0.033	0.034481	mg/L
Rh	103	283075.388	283075.388		mg/L
Ag	107	811773.838	2.181	0.038358	mg/L
Cd	111	145748.178	0.515	0.038521	mg/L
Cd	114	334288.317	1.181	0.038784	mg/L
In	203	470504.388	1.410	0.040805	mg/L
Tl	205	1113827.144	3.338	0.039812	mg/L
Pb	208	2288870.752	6.856	0.058580	mg/L
Bi	209	333553.740	333552.740		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	254466.854	254466.854		mg/L
Be	9	11195.627	0.044	0.041819	mg/L
V	51	1203588.358	2.703	0.087471	mg/L
Cr	52	938484.911	2.078	0.060386	mg/L
Cr	53	112887.849	0.244	0.058182	mg/L
Co	59	806387.985	1.820	0.044064	mg/L
Cu	63	523633.468	1.181	0.055845	mg/L
Cu	65	250814.944	0.566	0.054713	mg/L
Zn	66	194991.856	0.439	0.068028	mg/L
Zn	68	175081.408	0.390	0.075711	mg/L
Ge	72	443034.128	443034.128		mg/L
As	75	155378.218	0.348	0.038481	mg/L
Se	77	11620.128	0.024	0.033481	mg/L
Se	82	14632.044	0.033	0.034561	mg/L
Rh	103	280548.048	280548.048		mg/L
Ag	107	805745.403	2.158	0.038373	mg/L
Cd	111	143420.041	0.520	0.038813	mg/L
Cd	114	327462.862	1.187	0.038343	mg/L
In	203	461847.981	1.310	0.037705	mg/L
Tl	205	1107744.748	3.143	0.037472	mg/L
Pb	208	2266412.116	6.520	0.056879	mg/L
Bi	209	352446.208	352446.208		mg/L

: 00662

Sample Information

Sample ID: 1000579-MSD1
Autosampler Position: 45
Sample Date/Time: Monday, January 25, 2010 13:09:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000579-MSD1.049
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	264113.210	264113.210				mg/L
	Be	9	11717.351	0.044	0.042016	0.001	1.325	mg/L
	V	51	1232262.940	2.759	0.068865	0.001	1.055	mg/L
	Cr	52	940806.920	2.074	0.060286	0.001	1.240	mg/L
	Cr	53	112025.415	0.242	0.058621	0.001	1.553	mg/L
	Co	59	795346.386	1.789	0.043328	0.001	1.566	mg/L
	Cu	63	504528.631	1.135	0.053735	0.001	1.366	mg/L
	Cu	65	240686.755	0.541	0.052321	0.001	2.741	mg/L
	Zn	66	190812.916	0.429	0.066369	0.001	1.719	mg/L
	Zn	68	171982.641	0.382	0.074130	0.001	1.125	mg/L
>	Ge	72	444440.797	444440.797				mg/L
	As	75	158746.861	0.354	0.040214	0.000	0.438	mg/L
	Se	77	11365.526	0.025	0.035113	0.000	0.874	mg/L
	Se	82	15037.240	0.034	0.034919	0.001	1.964	mg/L
>	Rh	103	283650.928	283650.928				mg/L
	Ag	107	613458.355	2.163	0.038392	0.001	1.885	mg/L
	Cd	111	143804.128	0.507	0.037938	0.001	2.721	mg/L
	Cd	114	327280.359	1.154	0.037917	0.002	4.034	mg/L
	Tl	203	470043.585	1.340	0.038579	0.001	2.817	mg/L
	Tl	205	1125326.686	3.208	0.038254	0.001	3.215	mg/L
	Pb	208	2310785.554	6.589	0.057275	0.002	3.364	mg/L
>	Bi	209	350782.731	350782.731				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	109.895
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.849
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.106
	Ag	106.905	

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.007

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	273822.710	273822.710		mg/L
Be	9	11988.708	0.044	0.041383	mg/L
V	51	1251532.888	2.783	0.069703	mg/L
Cr	52	956282.229	2.101	0.081080	mg/L
Cr	53	111853.117	0.240	0.058200	mg/L
Co	59	798790.048	1.791	0.043358	mg/L
Cu	63	498156.576	1.118	0.052974	mg/L
Cu	65	234878.810	0.526	0.050631	mg/L
Zn	66	188301.543	0.421	0.085280	mg/L
Zn	68	170783.970	0.378	0.073343	mg/L
Ge	72	445884.980	445884.980		mg/L
As	75	158184.552	0.354	0.040180	mg/L
Se	77	11297.786	0.025	0.034773	mg/L
Se	82	14756.629	0.033	0.034147	mg/L
Rh	103	281908.648	281908.648		mg/L
Ag	107	603880.786	2.142	0.036031	mg/L
Cd	111	141171.102	0.501	0.037486	mg/L
Cd	114	322537.466	1.144	0.037584	mg/L
Tl	203	474686.860	1.329	0.038268	mg/L
Tl	205	1136867.086	3.184	0.037982	mg/L
Pb	208	2261864.488	6.334	0.055055	mg/L
Bi	209	357071.021	357071.021		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	261482.585	261482.585		mg/L
Be	9	11884.274	0.048	0.042234	mg/L
V	51	1212108.805	2.743	0.068468	mg/L
Cr	52	928254.483	2.070	0.080184	mg/L
Cr	53	112737.562	0.248	0.059888	mg/L
Co	59	798001.529	1.817	0.043891	mg/L
Cu	63	505728.542	1.148	0.054438	mg/L
Cu	65	244385.087	0.555	0.053891	mg/L
Zn	66	192121.287	0.436	0.087539	mg/L
Zn	68	172144.552	0.387	0.075004	mg/L
Ge	72	438713.980	438713.980		mg/L
As	75	156447.733	0.353	0.040058	mg/L
Se	77	11270.729	0.025	0.035197	mg/L
Se	82	14878.248	0.034	0.036151	mg/L
Rh	103	280233.698	280233.698		mg/L
Ag	107	616316.849	2.210	0.038225	mg/L
Cd	111	146536.770	0.523	0.039121	mg/L
Cd	114	337881.398	1.205	0.039585	mg/L
Tl	203	478021.685	1.362	0.038788	mg/L
Tl	205	1144826.480	3.322	0.039804	mg/L
Pb	208	2328235.234	6.731	0.058511	mg/L
Bi	209	345843.982	345843.982		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	257034.325	257034.325		mg/L
Be	9	11519.071	0.045	0.042430	mg/L
V	51	1233148.147	2.742	0.068425	mg/L
Cr	52	936884.070	2.050	0.058586	mg/L
Cr	53	111685.547	0.239	0.057988	mg/L
Co	59	786287.581	1.791	0.043835	mg/L
Cu	63	508702.775	1.116	0.053793	mg/L
Cu	65	242985.287	0.542	0.052443	mg/L
Zn	66	197015.908	0.428	0.088308	mg/L
Zn	68	173019.401	0.382	0.074043	mg/L
Ge	72	447813.411	447813.411		mg/L
As	75	160828.286	0.356	0.040405	mg/L
Se	77	11528.083	0.025	0.035370	mg/L
Se	82	15378.646	0.034	0.035468	mg/L
Rh	103	288609.239	288609.239		mg/L
Ag	107	617187.648	2.137	0.037929	mg/L
Cd	111	143705.513	0.496	0.037228	mg/L
Cd	114	321812.184	1.114	0.036581	mg/L
Tl	203	457472.208	1.309	0.037082	mg/L
Tl	205	1090186.510	3.120	0.037198	mg/L
Pb	208	2342258.942	6.702	0.058258	mg/L
Bi	209	349433.188	349433.188		mg/L

: 00664

Sample Information

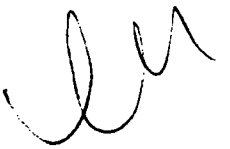
Sample ID: 0A25028-SRD2
Autosampler Position: 46
Sample Date/Time: Monday, January 25, 2010 13:13:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-SRD2.050
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	259081.138	259081.138				mg/L
	Be	9	25.000	0.000	0.000077	0.000	14.393	mg/L
	V	51	94364.629	0.201	0.005006	0.000	1.632	mg/L
	Cr	52	72469.136	0.121	0.003529	0.000	0.682	mg/L
	Cr	53	9510.519	0.011	0.002699	0.000	2.895	mg/L
	Co	59	9332.653	0.021	0.000507	0.000	3.633	mg/L
	Cu	63	29771.723	0.067	0.003162	0.000	1.113	mg/L
	Cu	65	14631.322	0.033	0.003168	0.000	3.517	mg/L
	Zn	66	16379.920	0.036	0.005618	0.000	3.058	mg/L
	Zn	68	18171.979	0.037	0.007084	0.000	2.492	mg/L
>	Ge	72	441223.221	441223.221				mg/L
	As	75	3937.994	0.006	0.000701	0.000	0.677	mg/L
	Se	77	333.010	0.000	0.000095	0.000	18.989	mg/L
	Se	82	16.883	0.000	0.000021	0.000	264.027	mg/L
>	Rh	103	289543.446	289543.446				mg/L
	Ag	107	626.363	0.002	0.000037	0.000	13.868	mg/L
	Cd	111	198.984	0.001	0.000048	0.000	21.755	mg/L
	Cd	114	180.394	0.001	0.000019	0.000	38.923	mg/L
	Tl	203	417.015	0.001	0.000032	0.000	28.738	mg/L
	Tl	205	1004.073	0.003	0.000033	0.000	28.018	mg/L
	Pb	208	160129.895	0.466	0.004053	0.000	1.268	mg/L
>	Bi	209	342796.780	342796.780				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	107.801
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.119
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.144
	Ag	106.905	



	Cd	110.904	
	Cd	113.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	94.799

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	269814.747	269814.747		mg/L
Be	9	24.000	0.000	0.000070	mg/L
V	51	94488.854	0.201	0.005008	mg/L
Cr	52	72873.976	0.123	0.003549	mg/L
Cr	53	9588.584	0.011	0.002722	mg/L
Co	59	9402.386	0.031	0.000510	mg/L
Cu	63	30180.862	0.088	0.003203	mg/L
Cu	65	15053.736	0.034	0.003258	mg/L
Zn	66	16528.540	0.037	0.005882	mg/L
Zn	68	17734.027	0.035	0.006891	mg/L
Ge	72	441823.302	441823.302		mg/L
As	75	3844.568	0.008	0.000701	mg/L
Se	77	328.010	0.000	0.000077	mg/L
Se	82	1.867	-0.000	0.000014	mg/L
Rh	103	280256.246	280256.246		mg/L
Ag	107	861.026	0.002	0.000041	mg/L
Cd	111	198.256	0.001	0.000048	mg/L
Cd	114	137.762	0.000	0.000014	mg/L
Tl	203	350.011	0.001	0.000027	mg/L
Tl	205	874.095	0.002	0.000028	mg/L
Pb	208	154254.602	0.459	0.003884	mg/L
Bi	209	343775.979	343775.979		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	253378.770	253375.770		mg/L
Be	9	23.000	0.000	0.000072	mg/L
V	51	93280.858	0.197	0.004924	mg/L
Cr	52	72350.438	0.120	0.003502	mg/L
Cr	53	9368.380	0.011	0.002811	mg/L
Co	59	9008.857	0.029	0.000487	mg/L
Cu	63	28488.078	0.082	0.003141	mg/L
Cu	65	14116.087	0.031	0.003043	mg/L
Zn	66	15904.321	0.035	0.005479	mg/L
Zn	68	16446.578	0.037	0.007172	mg/L
Ge	72	442988.838	442988.838		mg/L
As	75	3834.568	0.008	0.000698	mg/L
Se	77	334.010	0.000	0.000084	mg/L
Se	82	44.340	0.000	0.000065	mg/L
Rh	103	288127.027	288127.027		mg/L
Ag	107	522.022	0.002	0.000031	mg/L
Cd	111	158.609	0.001	0.000038	mg/L
Cd	114	147.762	0.000	0.000015	mg/L
Tl	203	353.011	0.001	0.000027	mg/L
Tl	205	421.048	0.002	0.000027	mg/L
Pb	208	159878.720	0.469	0.004077	mg/L
Bi	209	338771.827	338771.827		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	254252.886	254252.886		mg/L
Be	9	28.000	0.000	0.000080	mg/L
V	51	96303.974	0.204	0.005068	mg/L
Cr	52	72182.884	0.122	0.003538	mg/L
Cr	53	9575.584	0.011	0.002782	mg/L
Co	59	9588.807	0.032	0.000524	mg/L
Cu	63	29436.188	0.086	0.003144	mg/L
Cu	65	14724.144	0.033	0.003208	mg/L
Zn	66	16706.897	0.037	0.006764	mg/L
Zn	68	16336.334	0.037	0.007199	mg/L
Ge	72	438878.521	438878.521		mg/L
As	75	3834.640	0.008	0.000708	mg/L
Se	77	337.010	0.000	0.000113	mg/L
Se	82	4.343	0.000	0.000008	mg/L
Rh	103	297247.084	297247.084		mg/L
Ag	107	676.034	0.002	0.000040	mg/L
Cd	111	241.888	0.001	0.000058	mg/L
Cd	114	255.657	0.001	0.000027	mg/L
Tl	203	548.023	0.002	0.000043	mg/L
Tl	205	1317.117	0.004	0.000044	mg/L
Pb	208	162458.382	0.470	0.004087	mg/L
Bi	209	344643.735	344643.735		mg/L

: 20666

Sample Information

Sample ID: 0A25028-CCV

Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 13:16:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCV.051
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	249206.022	249206.022				mg/L
	Be	9	10705.653	0.043	0.040668	0.001	1.676	mg/L
	V	51	715370.864	1.668	0.041628	0.001	1.758	mg/L
	Cr	52	645967.942	1.475	0.042883	0.001	1.622	mg/L
	Cr	53	77593.349	0.172	0.041707	0.001	1.581	mg/L
	Co	59	739244.775	1.737	0.042058	0.000	1.134	mg/L
	Cu	63	379208.670	0.890	0.042174	0.001	2.081	mg/L
	Cu	65	182732.742	0.429	0.041474	0.000	0.539	mg/L
	Zn	66	115143.864	0.270	0.041778	0.000	1.041	mg/L
	Zn	68	94852.058	0.218	0.042316	0.000	0.767	mg/L
>	Ge	72	425543.160	425543.160				mg/L
	As	75	153626.820	0.358	0.040649	0.001	1.751	mg/L
	Se	77	11913.964	0.027	0.038535	0.000	1.137	mg/L
	Se	82	15506.503	0.036	0.037606	0.000	1.281	mg/L
>	Rh	103	279114.008	279114.008				mg/L
	Ag	107	625451.074	2.241	0.039774	0.000	0.993	mg/L
	Cd	111	148790.443	0.533	0.039885	0.001	1.904	mg/L
	Cd	114	338715.300	1.214	0.039867	0.000	0.957	mg/L
	Tl	203	476779.285	1.414	0.040695	0.001	1.850	mg/L
	Tl	205	1149116.587	3.407	0.040621	0.000	0.755	mg/L
	Pb	208	1546447.856	4.584	0.039850	0.000	0.787	mg/L
>	Bi	209	337262.469	337262.469				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	103.693
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.561
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.536
	Ag	106.905	

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	93.268

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	258038.808	258038.808		mg/L
Be	9	11140.553	0.043	0.040878	mg/L
V	51	713529.943	1.673	0.041750	mg/L
Cr	52	645103.243	1.482	0.043066	mg/L
Cr	53	77971.854	0.174	0.042167	mg/L
Co	59	731581.761	1.779	0.041852	mg/L
Cu	63	371870.158	0.878	0.041564	mg/L
Cu	65	162563.913	0.431	0.041668	mg/L
Zn	66	115803.231	0.273	0.042251	mg/L
Zn	68	34014.281	0.218	0.042173	mg/L
Ge	72	423178.937	423178.937		mg/L
As	75	149810.287	0.351	0.039855	mg/L
Se	77	11760.410	0.027	0.038243	mg/L
Se	82	15208.756	0.038	0.037085	mg/L
Rh	103	274274.204	274274.204		mg/L
Ag	107	810462.718	2.226	0.039505	mg/L
Cd	111	144554.897	0.527	0.038431	mg/L
Cd	114	332208.583	1.211	0.039786	mg/L
Tl	203	485334.188	1.444	0.041562	mg/L
Tl	205	1141522.388	3.398	0.040496	mg/L
Pb	208	1527032.914	4.543	0.039489	mg/L
Bi	209	336074.084	336074.084		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	245208.688	245208.688		mg/L
Be	9	10875.941	0.044	0.041221	mg/L
V	51	708943.804	1.637	0.040843	mg/L
Cr	52	641804.832	1.449	0.042318	mg/L
Cr	53	77137.085	0.169	0.040951	mg/L
Co	59	741556.818	1.773	0.041720	mg/L
Cu	63	379480.783	0.882	0.041778	mg/L
Cu	65	165012.049	0.430	0.041525	mg/L
Zn	66	115380.413	0.267	0.041398	mg/L
Zn	68	35414.070	0.217	0.042468	mg/L
Ge	72	430321.124	430321.124		mg/L
As	75	156145.587	0.360	0.040958	mg/L
Se	77	11983.730	0.027	0.038324	mg/L
Se	82	15469.205	0.037	0.038052	mg/L
Rh	103	277434.300	277434.300		mg/L
Ag	107	828780.234	2.266	0.040227	mg/L
Cd	111	151154.157	0.545	0.040762	mg/L
Cd	114	340205.180	1.226	0.040282	mg/L
Tl	203	475019.031	1.401	0.040318	mg/L
Tl	205	1166469.426	3.438	0.040870	mg/L
Pb	208	1563305.398	4.609	0.040380	mg/L
Bi	209	339153.178	339153.178		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	244374.772	244374.772		mg/L
Be	9	10300.485	0.042	0.039908	mg/L
V	51	727838.644	1.695	0.042292	mg/L
Cr	52	650886.751	1.495	0.043469	mg/L
Cr	53	77678.108	0.173	0.042003	mg/L
Co	59	744818.847	1.780	0.042804	mg/L
Cu	63	388085.088	0.912	0.043180	mg/L
Cu	65	180822.285	0.428	0.041229	mg/L
Zn	66	114247.958	0.269	0.041687	mg/L
Zn	68	35127.823	0.220	0.042688	mg/L
Ge	72	423128.417	423128.417		mg/L
As	75	154824.597	0.363	0.041232	mg/L
Se	77	11987.750	0.028	0.039039	mg/L
Se	82	15444.548	0.036	0.037872	mg/L
Rh	103	285833.518	285833.518		mg/L
Ag	107	837100.288	2.230	0.039568	mg/L
Cd	111	150882.274	0.527	0.038463	mg/L
Cd	114	343734.188	1.203	0.039532	mg/L
Tl	203	470084.840	1.387	0.040208	mg/L
Tl	205	1140357.848	3.368	0.040398	mg/L
Pb	208	1549005.255	4.602	0.040000	mg/L
Bi	209	336560.136	336560.136		mg/L

Sample Information

Sample ID: 0A25028-CCB

Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 13:19:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCB.052
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	254289.670	254289.670				mg/L
	Be	9	4.333	0.000	0.000002	0.000	332.880	mg/L
	V	51	6418.087	0.001	0.000034	0.000	92.390	mg/L
	Cr	52	20025.248	0.003	0.000083	0.000	68.167	mg/L
	Cr	53	3220.654	-0.003	-0.000748	0.000	3.831	mg/L
	Co	59	134.669	0.000	0.000002	0.000	46.554	mg/L
	Cu	63	443.016	0.000	0.000015	0.000	27.582	mg/L
	Cu	65	213.338	0.000	0.000009	0.000	58.219	mg/L
	Zn	66	321.676	-0.000	-0.000018	0.000	33.866	mg/L
	Zn	68	1952.248	-0.000	-0.000038	0.000	109.225	mg/L
>	Ge	72	438300.600	438300.600				mg/L
	As	75	1261.073	0.000	0.000015	0.000	21.218	mg/L
	Se	77	295.342	-0.000	-0.000019	0.000	572.337	mg/L
	Se	82	-3.099	-0.000	-0.000026	0.000	482.823	mg/L
>	Rh	103	292600.687	292600.687				mg/L
	Ag	107	291.675	0.001	0.000017	0.000	24.466	mg/L
	Cd	111	15.099	0.000	0.000001	0.000	149.613	mg/L
	Cd	114	30.081	0.000	0.000002	0.000	46.077	mg/L
	Tl	203	80.335	0.000	0.000004	0.000	34.310	mg/L
	Tl	205	164.670	0.000	0.000004	0.000	16.860	mg/L
	Pb	208	498.011	0.001	0.000005	0.000	7.829	mg/L
>	Bi	209	343500.131	343500.131				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	105.808
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.456
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.201
	Ag	106.905	

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	94.993

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A25028-CCB	Cr	53	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	258116.010	258116.010		mg/L
Be	9	3.000	0.000	0.000003	mg/L
V	51	6581.868	0.002	0.000048	mg/L
Cr	52	20708.909	0.005	0.000144	mg/L
Cr	53	3240.662	0.003	0.000718	mg/L
Co	59	153.003	0.000	0.000003	mg/L
Cu	63	478.016	0.000	0.000019	mg/L
Cu	65	238.005	0.000	0.000014	mg/L
Zn	66	336.010	0.000	0.000012	mg/L
Zn	68	1811.238	0.000	0.000048	mg/L
Ge	72	433219.883	433219.883		mg/L
As	75	1233.667	0.000	0.000012	mg/L
Se	77	308.008	0.000	0.000036	mg/L
Se	82	-50.186	0.000	-0.000138	mg/L
Rh	103	289982.874	289982.874		mg/L
Ag	107	358.011	0.001	0.000021	mg/L
Cd	111	10.930	-0.000	0.000000	mg/L
Cd	114	33.252	0.000	0.000003	mg/L
Tl	203	91.001	0.000	0.000005	mg/L
Tl	205	178.004	0.000	0.000004	mg/L
Pb	208	468.010	0.001	0.000005	mg/L
Bi	209	339240.632	339240.632		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	258307.437	258307.437		mg/L
Be	9	6.000	0.000	0.000008	mg/L
V	51	6807.843	0.002	0.000056	mg/L
Cr	52	19882.914	0.003	0.000073	mg/L
Cr	53	3180.839	0.003	0.000771	mg/L
Co	59	134.003	0.000	0.000002	mg/L
Cu	63	436.016	0.000	0.000014	mg/L
Cu	65	208.005	0.000	0.000007	mg/L
Zn	66	321.009	0.000	0.000010	mg/L
Zn	68	2058.274	0.000	0.000007	mg/L
Ge	72	438674.208	438674.208		mg/L
As	75	1273.300	0.000	0.000018	mg/L
Se	77	317.008	0.000	0.000050	mg/L
Se	82	54.580	0.000	0.000110	mg/L
Rh	103	294084.384	294084.384		mg/L
Ag	107	294.009	0.001	0.000017	mg/L
Cd	111	17.771	0.000	0.000001	mg/L
Cd	114	33.979	0.000	0.000002	mg/L
Tl	203	81.001	0.000	0.000003	mg/L
Tl	205	171.003	0.000	0.000004	mg/L
Pb	208	517.012	0.001	0.000005	mg/L
Bi	209	345148.952	345148.952		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	248445.583	248445.583		mg/L
Be	9	4.000	0.000	0.000001	mg/L
V	51	5854.430	0.000	-0.000002	mg/L
Cr	52	19473.920	0.001	0.000032	mg/L
Cr	53	3240.662	0.003	-0.000758	mg/L
Co	59	117.002	0.000	0.000001	mg/L
Cu	63	415.014	0.000	0.000011	mg/L
Cu	65	198.004	0.000	0.000004	mg/L
Zn	66	308.009	0.000	0.000024	mg/L
Zn	68	1690.233	0.000	0.000074	mg/L
Ge	72	443107.688	443107.688		mg/L
As	75	1276.051	0.000	0.000015	mg/L
Se	77	200.007	0.000	0.000142	mg/L
Se	82	-13.887	0.000	-0.000050	mg/L
Rh	103	293754.722	293754.722		mg/L
Ag	107	225.008	0.001	0.000013	mg/L
Cd	111	16.588	0.000	0.000001	mg/L
Cd	114	33.017	0.000	0.000001	mg/L
Tl	203	69.001	0.000	0.000005	mg/L
Tl	205	145.003	0.000	0.000003	mg/L
Pb	208	468.010	0.001	0.000005	mg/L
Bi	209	346112.808	346112.808		mg/L

Sample Information

Sample ID: 1000579-PS1
Autosampler Position: 47
Sample Date/Time: Monday, January 25, 2010 13:23:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000579-PS1.053
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	264505.727	264505.727				mg/L
	Be	9	5750.041	0.022	0.020575	0.000	0.716	mg/L
	V	51	831941.501	1.822	0.045470	0.001	1.277	mg/L
	Cr	52	607595.291	1.297	0.037714	0.000	1.323	mg/L
	Cr	53	72687.361	0.150	0.036367	0.001	1.598	mg/L
	Co	59	410041.494	0.904	0.021897	0.001	2.322	mg/L
	Cu	63	327111.421	0.721	0.034138	0.000	1.443	mg/L
	Cu	65	157286.262	0.347	0.033501	0.000	1.146	mg/L
	Zn	66	131102.688	0.288	0.044652	0.001	1.825	mg/L
	Zn	68	125394.381	0.272	0.052725	0.000	0.307	mg/L
>	Ge	72	453358.506	453358.506				mg/L
	As	75	88231.138	0.192	0.021770	0.000	0.228	mg/L
	Se	77	6134.653	0.013	0.018121	0.000	1.913	mg/L
	Se	82	7828.983	0.017	0.017813	0.000	1.840	mg/L
	Rh	103	290750.088	290750.088				mg/L
	Ag	107	314806.507	1.083	0.019217	0.000	1.140	mg/L
	Cd	111	73004.920	0.251	0.018783	0.000	1.187	mg/L
	Cd	114	163765.946	0.563	0.018501	0.000	1.371	mg/L
	Tl	203	236273.236	0.649	0.018677	0.001	2.978	mg/L
	Tl	205	565897.337	1.554	0.018529	0.001	3.393	mg/L
	Pb	208	1593323.141	4.374	0.038025	0.001	2.148	mg/L
>	Bi	209	364276.527	364276.527				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	110.059
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.872
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.561
	Ag	106.905	

: 00671

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.739

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	288701.956	288701.956		mg/L
Be	9	5807.081	0.022	0.020454	mg/L
V	51	632887.088	1.843	0.045886	mg/L
Cr	52	810338.139	1.317	0.038286	mg/L
Cr	53	73169.561	0.153	0.037020	mg/L
Co	59	416308.308	0.927	0.022455	mg/L
Cu	63	322858.028	0.718	0.034017	mg/L
Cu	65	155897.268	0.347	0.033543	mg/L
Zn	66	127307.321	0.283	0.043802	mg/L
Zn	68	123701.589	0.275	0.052539	mg/L
Ge	72	448798.581	448798.581		mg/L
As	75	87369.209	0.192	0.021777	mg/L
Se	77	5984.183	0.013	0.017781	mg/L
Se	82	7845.537	0.017	0.017573	mg/L
Rh	103	288356.795	288356.795		mg/L
Ag	107	311819.528	1.077	0.019114	mg/L
Cd	111	71662.127	0.248	0.018584	mg/L
Cd	114	162131.485	0.560	0.018405	mg/L
Tl	203	233484.283	0.629	0.018119	mg/L
Tl	205	557124.246	1.502	0.017808	mg/L
Pb	208	1587199.304	4.278	0.037189	mg/L
Bi	209	370818.804	370818.804		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	285854.531	285854.531		mg/L
Be	9	5821.081	0.022	0.020739	mg/L
V	51	636187.584	1.828	0.045584	mg/L
Cr	52	805774.402	1.290	0.037498	mg/L
Cr	53	72522.828	0.149	0.036177	mg/L
Co	59	402934.351	0.886	0.021480	mg/L
Cu	63	323882.571	0.712	0.033718	mg/L
Cu	65	156788.257	0.342	0.033087	mg/L
Zn	66	131841.934	0.289	0.044727	mg/L
Zn	68	125878.821	0.272	0.052799	mg/L
Ge	72	454512.284	454512.284		mg/L
As	75	88641.004	0.192	0.021816	mg/L
Se	77	6145.328	0.013	0.018108	mg/L
Se	82	8012.918	0.018	0.018188	mg/L
Rh	103	291105.108	291105.108		mg/L
Ag	107	312742.448	1.074	0.019088	mg/L
Cd	111	72929.770	0.250	0.018742	mg/L
Cd	114	162284.341	0.557	0.018310	mg/L
Tl	203	237884.178	0.648	0.018681	mg/L
Tl	205	568350.643	1.553	0.018517	mg/L
Pb	208	1618431.741	4.378	0.038084	mg/L
Bi	209	368363.758	368363.758		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	258180.705	258180.705		mg/L
Be	9	5821.852	0.022	0.020531	mg/L
V	51	626739.648	1.797	0.044841	mg/L
Cr	52	606873.333	1.285	0.037362	mg/L
Cr	53	72388.804	0.149	0.035805	mg/L
Co	59	410863.826	0.899	0.021775	mg/L
Cu	63	334783.867	0.732	0.034680	mg/L
Cu	65	160173.282	0.350	0.033882	mg/L
Zn	66	134356.809	0.293	0.045429	mg/L
Zn	68	128804.732	0.279	0.052838	mg/L
Ge	72	458786.672	458786.672		mg/L
As	75	88683.205	0.191	0.021718	mg/L
Se	77	6294.439	0.013	0.018474	mg/L
Se	82	7826.484	0.017	0.017879	mg/L
Rh	103	291788.400	291788.400		mg/L
Ag	107	320087.548	1.097	0.019468	mg/L
Cd	111	74202.884	0.254	0.019024	mg/L
Cd	114	166902.011	0.572	0.018788	mg/L
Tl	203	237431.246	0.648	0.019232	mg/L
Tl	205	571217.123	1.807	0.019164	mg/L
Pb	208	1587338.377	4.408	0.034821	mg/L
Bi	209	355357.022	355357.022		mg/L

Sample Information

Sample ID: 1001254-10
Autosampler Position: 48
Sample Date/Time: Monday, January 25, 2010 13:26:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-10.054
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	253440.002	253440.002				mg/L
	Be	9	358.678	0.001	0.001326	0.000	6.800	mg/L
	V	51	577497.666	1.266	0.031586	0.000	1.262	mg/L
	Cr	52	413708.592	0.873	0.025388	0.000	1.614	mg/L
	Cr	53	48694.019	0.097	0.023637	0.001	3.526	mg/L
	Co	59	110143.222	0.244	0.005902	0.000	2.641	mg/L
	Cu	63	526050.356	1.164	0.055141	0.001	1.048	mg/L
	Cu	65	258053.123	0.571	0.055205	0.001	1.419	mg/L
	Zn	66	479911.357	1.062	0.164506	0.004	2.483	mg/L
	Zn	68	400247.113	0.882	0.170962	0.002	1.400	mg/L
>	Ge	72	451620.910	451620.910				mg/L
	As	75	52285.401	0.113	0.012828	0.000	2.171	mg/L
	Se	77	699.703	0.001	0.001219	0.000	16.615	mg/L
	Se	82	292.525	0.001	0.000652	0.000	22.169	mg/L
>	Rh	103	279877.227	279877.227				mg/L
	Ag	107	2186.976	0.008	0.000138	0.000	3.850	mg/L
	Cd	111	2661.476	0.009	0.000708	0.000	3.263	mg/L
	Cd	114	2888.785	0.010	0.000337	0.000	5.289	mg/L
	Tl	203	2225.986	0.006	0.000183	0.000	5.965	mg/L
	Tl	205	5448.502	0.016	0.000186	0.000	2.829	mg/L
	Pb	208	2215199.069	6.398	0.055612	0.002	3.548	mg/L
>	Bi	209	346381.527	346381.527				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	105.454
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.478
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.800
	Ag	106.905	

: 00673

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	95.790

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	262975.502	262975.502		mg/L
Be	9	370.012	0.001	0.001318	mg/L
V	51	546886.813	1.253	0.031284	mg/L
Cr	52	418788.478	0.858	0.024843	mg/L
Cr	53	46149.180	0.094	0.022720	mg/L
Co	59	109431.921	0.238	0.005723	mg/L
Cu	63	533826.781	1.153	0.054623	mg/L
Cu	65	262930.103	0.568	0.054810	mg/L
Zn	66	476800.932	1.034	0.160176	mg/L
Zn	68	403589.680	0.868	0.168246	mg/L
Ge	72	462588.872	462588.872		mg/L
As	75	52288.107	0.110	0.012514	mg/L
Se	77	641.031	0.001	0.000885	mg/L
Se	82	741.304	0.001	0.000520	mg/L
Rh	103	277405.380	277405.380		mg/L
Ag	107	2755.328	0.008	0.000143	mg/L
Cd	111	2702.858	0.010	0.000726	mg/L
Cd	114	2727.704	0.010	0.000321	mg/L
Tl	203	2130.284	0.008	0.000171	mg/L
Tl	205	5385.800	0.019	0.000180	mg/L
Pb	208	2198145.101	8.207	0.053851	mg/L
Bi	209	354115.814	354115.814		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	247542.281	247542.281		mg/L
Be	9	375.012	0.001	0.001430	mg/L
V	51	569880.853	1.280	0.031436	mg/L
Cr	52	410758.688	0.876	0.025470	mg/L
Cr	53	46588.730	0.096	0.023843	mg/L
Co	59	110462.383	0.247	0.005878	mg/L
Cu	63	519660.887	1.162	0.055036	mg/L
Cu	65	252853.287	0.565	0.054811	mg/L
Zn	66	476844.005	1.066	0.165045	mg/L
Zn	68	400322.872	0.891	0.173785	mg/L
Ge	72	448832.288	448832.288		mg/L
As	75	52146.108	0.114	0.012927	mg/L
Se	77	733.040	0.001	0.001344	mg/L
Se	82	280.412	0.001	0.000829	mg/L
Rh	103	260040.358	260040.358		mg/L
Ag	107	2110.288	0.007	0.000133	mg/L
Cd	111	2888.614	0.010	0.000717	mg/L
Cd	114	3053.853	0.011	0.000356	mg/L
Tl	203	2286.337	0.007	0.000182	mg/L
Tl	205	5444.833	0.018	0.000180	mg/L
Pb	208	2252415.548	8.648	0.057793	mg/L
Bi	209	338737.780	338737.780		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	249802.243	249802.243		mg/L
Be	9	331.010	0.001	0.001241	mg/L
V	51	577803.930	1.284	0.032038	mg/L
Cr	52	413600.412	0.888	0.025750	mg/L
Cr	53	46343.146	0.100	0.024348	mg/L
Co	59	110535.352	0.248	0.006004	mg/L
Cu	63	524883.321	1.177	0.055784	mg/L
Cu	65	258578.880	0.580	0.056083	mg/L
Zn	66	484288.533	1.087	0.168284	mg/L
Zn	68	398851.577	0.888	0.171873	mg/L
Ge	72	445343.481	445343.481		mg/L
As	75	52420.981	0.115	0.013044	mg/L
Se	77	725.039	0.001	0.001327	mg/L
Se	82	355.880	0.001	0.000807	mg/L
Rh	103	282185.884	282185.884		mg/L
Ag	107	2195.311	0.008	0.000137	mg/L
Cd	111	2584.898	0.009	0.000882	mg/L
Cd	114	2884.700	0.010	0.000334	mg/L
Tl	203	2258.328	0.008	0.000185	mg/L
Tl	205	5504.873	0.019	0.000188	mg/L
Pb	208	2195036.557	8.338	0.055082	mg/L
Bi	209	346280.887	346280.887		mg/L

Sample Information

Sample ID: 0A25028-CCV

Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 13:30:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCV.055
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	242505.072	242505.072				mg/L
	Be	9	10484.372	0.043	0.040924	0.001	1.637	mg/L
	V	51	716330.772	1.629	0.040657	0.001	2.277	mg/L
	Cr	52	642833.536	1.431	0.041599	0.000	0.729	mg/L
	Cr	53	76980.762	0.166	0.040287	0.000	1.048	mg/L
	Co	59	734032.720	1.683	0.040746	0.001	1.825	mg/L
	Cu	63	370345.063	0.849	0.040195	0.001	2.759	mg/L
	Cu	65	178071.302	0.408	0.039438	0.001	1.764	mg/L
	Zn	66	112789.383	0.258	0.039934	0.001	3.100	mg/L
	Zn	68	92764.822	0.208	0.040336	0.000	0.595	mg/L
>	Ge	72	436152.767	436152.767				mg/L
	As	75	155844.809	0.355	0.040231	0.000	1.053	mg/L
	Se	77	11875.580	0.027	0.037455	0.001	3.508	mg/L
	Se	82	15918.637	0.036	0.037675	0.001	2.667	mg/L
>	Rh	103	290398.652	290398.652				mg/L
	Ag	107	645560.789	2.223	0.039455	0.000	1.049	mg/L
	Cd	111	149807.230	0.516	0.038593	0.000	0.983	mg/L
	Cd	114	342256.792	1.179	0.038718	0.001	1.896	mg/L
	Tl	203	477676.071	1.405	0.040444	0.001	3.025	mg/L
	Tl	205	1141872.632	3.358	0.040042	0.001	2.758	mg/L
	Pb	208	1547467.792	4.550	0.039554	0.000	0.491	mg/L
>	Bi	209	340010.484	340010.484				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.904
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.968
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.439
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

94.028

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	252883.136	252883.136		mg/L
Be	9	11027.402	0.044	0.041288	mg/L
V	51	737758.833	1.671	0.041718	mg/L
Cr	52	647970.412	1.437	0.041788	mg/L
Cr	53	78412.484	0.164	0.038798	mg/L
Co	59	721580.162	1.648	0.039882	mg/L
Cu	63	368356.765	0.840	0.039808	mg/L
Cu	65	179408.884	0.410	0.039858	mg/L
Zn	66	112504.461	0.256	0.039809	mg/L
Zn	68	92540.912	0.207	0.040071	mg/L
Ge	72	437908.583	437908.583		mg/L
As	75	154821.580	0.350	0.039751	mg/L
Se	77	11470.003	0.026	0.035688	mg/L
Se	82	15527.879	0.035	0.036587	mg/L
Rh	103	288510.139	288510.139		mg/L
Ag	107	833578.175	2.198	0.038977	mg/L
Cd	111	147218.849	0.510	0.038178	mg/L
Cd	114	337844.703	1.171	0.038487	mg/L
Tl	203	463535.574	1.358	0.038136	mg/L
Tl	205	1115988.378	3.273	0.039023	mg/L
Pb	208	1557111.842	4.568	0.039691	mg/L
Bi	209	340849.304	340849.304		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	237824.647	237824.647		mg/L
Be	9	10374.558	0.044	0.041338	mg/L
V	51	714375.980	1.602	0.039882	mg/L
Cr	52	646380.780	1.419	0.041249	mg/L
Cr	53	78478.582	0.167	0.040528	mg/L
Co	59	750810.281	1.637	0.041088	mg/L
Cu	63	367482.841	0.830	0.038332	mg/L
Cu	65	176987.478	0.400	0.039259	mg/L
Zn	66	111301.456	0.251	0.039566	mg/L
Zn	68	94504.786	0.208	0.040540	mg/L
Ge	72	442148.750	442148.750		mg/L
As	75	159243.781	0.357	0.040563	mg/L
Se	77	12185.986	0.027	0.037856	mg/L
Se	82	16212.217	0.037	0.037844	mg/L
Rh	103	289471.646	289471.646		mg/L
Ag	107	847813.178	2.237	0.039708	mg/L
Cd	111	149881.944	0.517	0.038698	mg/L
Cd	114	348488.730	1.204	0.039546	mg/L
Tl	203	480843.379	1.412	0.040836	mg/L
Tl	205	1138588.725	3.348	0.039668	mg/L
Pb	208	1553549.783	4.580	0.039638	mg/L
Bi	209	340822.329	340822.329		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	237007.432	237007.432		mg/L
Be	9	10051.158	0.042	0.040191	mg/L
V	51	698667.482	1.613	0.040265	mg/L
Cr	52	634148.418	1.437	0.041782	mg/L
Cr	53	76050.188	0.167	0.040534	mg/L
Co	59	729807.718	1.704	0.041248	mg/L
Cu	63	375185.583	0.875	0.041445	mg/L
Cu	65	177420.546	0.414	0.039988	mg/L
Zn	66	114562.232	0.267	0.041286	mg/L
Zn	68	91248.768	0.208	0.040388	mg/L
Ge	72	428402.988	428402.988		mg/L
As	75	153688.108	0.358	0.040388	mg/L
Se	77	11990.740	0.027	0.038523	mg/L
Se	82	16015.716	0.037	0.038585	mg/L
Rh	103	283214.171	283214.171		mg/L
Ag	107	655483.014	2.235	0.039879	mg/L
Cd	111	152522.797	0.520	0.038817	mg/L
Cd	114	340458.943	1.161	0.038143	mg/L
Tl	203	448649.380	1.444	0.041580	mg/L
Tl	205	1170058.798	3.457	0.041218	mg/L
Pb	208	1531741.712	4.525	0.039332	mg/L
Bi	209	338459.818	338459.818		mg/L

: 00676

Sample Information

Sample ID: 0A25028-CCB

Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 13:33:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCB.056
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	240609.190	240609.190				mg/L
	Be	9	7.333	0.000	0.000015	0.000	104.764	mg/L
	V	51	6420.593	0.002	0.000057	0.000	30.380	mg/L
	Cr	52	20423.872	0.007	0.000193	0.000	15.743	mg/L
	Cr	53	3684.518	-0.002	-0.000365	0.000	1.567	mg/L
	Co	59	118.335	0.000	0.000002	0.000	41.885	mg/L
	Cu	63	403.014	0.000	0.000013	0.000	30.085	mg/L
	Cu	65	198.338	0.000	0.000008	0.000	43.978	mg/L
	Zn	66	315.676	-0.000	-0.000014	0.000	16.473	mg/L
	Zn	68	1985.256	0.000	0.000031	0.000	43.550	mg/L
>	Ge	72	412696.604	412696.604				mg/L
	As	75	1209.319	0.000	0.000021	0.000	102.704	mg/L
	Se	77	304.342	0.000	0.000070	0.000	85.820	mg/L
	Se	82	1.236	-0.000	-0.000015	0.000	489.722	mg/L
>	Rh	103	285480.919	285480.919				mg/L
	Ag	107	336.344	0.001	0.000020	0.000	24.225	mg/L
	Cd	111	14.032	0.000	0.000000	0.000	580.649	mg/L
	Cd	114	37.987	0.000	0.000003	0.000	43.309	mg/L
	Tl	203	65.668	0.000	0.000003	0.000	32.304	mg/L
	Tl	205	171.337	0.000	0.000004	0.000	10.949	mg/L
	Pb	208	494.344	0.001	0.000005	0.000	9.568	mg/L
>	Bi	209	329860.243	329860.243				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.115
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	93.646
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.739
	Ag	106.905	

	Cd	110.904	
	Cd	113.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	91.221

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A25028-CCB	Cr	53	

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	247230.187	247230.187		mg/L
Be	9	3.000	0.000	-0.000003	mg/L
V	51	6286.028	0.002	0.000043	mg/L
Cr	52	20238.749	0.005	0.000160	mg/L
Cr	53	3728.970	0.002	0.000271	mg/L
Co	59	135.002	0.000	0.000003	mg/L
Ni	63	440.016	0.000	0.000016	mg/L
Cu	65	202.004	0.000	0.000006	mg/L
Zn	66	324.010	0.000	-0.000012	mg/L
Zn	68	2037.289	0.000	0.000042	mg/L
Ge	72	418694.634	418694.634		mg/L
As	75	1171.678	0.000	0.000006	mg/L
Se	77	329.010	0.000	0.000139	mg/L
Se	82	-30.724	0.000	0.000084	mg/L
Rh	103	284263.845	284263.845		mg/L
Ag	107	418.015	0.001	0.000025	mg/L
Cd	111	22.473	0.000	0.000003	mg/L
Cd	114	27.250	0.000	0.000001	mg/L
Tl	203	80.001	0.000	0.000004	mg/L
Tl	205	167.004	0.000	0.000006	mg/L
Pb	208	520.011	0.001	0.000008	mg/L
Bi	209	336453.834	336453.834		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	236843.778	236843.778		mg/L
Be	9	10.000	0.000	0.000025	mg/L
V	51	6728.483	0.003	0.000051	mg/L
Cr	52	20228.724	0.007	0.000201	mg/L
Cr	53	1632.828	0.001	0.000382	mg/L
Co	59	106.002	0.000	0.000001	mg/L
Ni	63	402.014	0.000	0.000013	mg/L
Cu	65	210.005	0.000	0.000012	mg/L
Zn	66	304.008	0.000	0.000016	mg/L
Zn	68	1923.241	0.000	0.000018	mg/L
Ge	72	408441.702	408441.702		mg/L
As	75	1158.848	0.000	0.000011	mg/L
Se	77	292.008	0.000	0.000044	mg/L
Se	82	7.680	0.000	0.000001	mg/L
Rh	103	282618.254	282618.254		mg/L
Ag	107	319.008	0.001	0.000019	mg/L
Cd	111	3.998	0.000	0.000002	mg/L
Cd	114	44.821	0.000	0.000003	mg/L
Tl	203	55.001	0.000	0.000002	mg/L
Tl	205	156.003	0.000	0.000004	mg/L
Pb	208	488.008	0.001	0.000005	mg/L
Bi	209	327162.897	327162.897		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	235753.587	235753.587		mg/L
Be	9	9.000	0.000	0.000022	mg/L
V	51	6745.288	0.003	0.000078	mg/L
Cr	52	20804.144	0.008	0.000319	mg/L
Cr	53	1683.855	0.001	0.000381	mg/L
Co	59	112.002	0.000	0.000001	mg/L
Ni	63	387.013	0.000	0.000009	mg/L
Cu	65	183.004	0.000	0.000004	mg/L
Zn	66	319.008	0.000	0.000013	mg/L
Zn	68	1985.259	0.000	0.000035	mg/L
Ge	72	412953.477	412953.477		mg/L
As	75	1298.431	0.000	0.000045	mg/L
Se	77	292.008	0.000	0.000028	mg/L
Se	82	28.752	0.000	0.000048	mg/L
Rh	103	285580.859	285580.859		mg/L
Ag	107	371.007	0.001	0.000018	mg/L
Cd	111	15.628	0.000	0.000001	mg/L
Cd	114	41.788	0.000	0.000003	mg/L
Tl	203	62.001	0.000	0.000003	mg/L
Tl	205	171.003	0.000	0.000004	mg/L
Pb	208	494.011	0.001	0.000005	mg/L
Bi	209	125985.098	125985.098		mg/L

: 00678

Sample Information

Sample ID: 1001142-02
Autosampler Position: 49
Sample Date/Time: Monday, January 25, 2010 13:37:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001142-02.057
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
Li	6	247061.292	6729.564				mg/L
Cu	63	261168.704	0.599	0.028377	0.001	2.288	mg/L
Cu	65	127543.574	0.293	0.028281	0.001	2.146	mg/L
Zn	66	240882.077	0.552	0.085561	0.003	3.001	mg/L
Zn	68	203462.086	0.463	0.089715	0.003	3.555	mg/L
Ge	72	435513.792	435513.792				mg/L
Rh	103	283206.284	-5921.962				mg/L
Pb	208	2546727.381	7.232	0.062868	0.001	1.394	mg/L
Bi	209	352084.813	352084.813				mg/L

QC Calculated Values

Analyte	Mass	Int Std % Recovery
Li	6.015	
Cu	62.930	
Cu	64.928	
Zn	65.926	
Zn	67.925	
Ge	71.922	98.823
Rh	102.905	
Pb	207.977	
Bi	208.980	97.367

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	281518.839	27184.911		mg/L
Cu	63	260864.549	0.588	0.027868	mg/L
Cu	65	126801.183	0.286	0.027687	mg/L
Zn	66	236731.758	0.534	0.082732	mg/L
Zn	68	199087.275	0.445	0.086340	mg/L
Ge	72	442474.533	442474.533		mg/L
Rh	103	284163.508	4984.738		mg/L
Pb	208	2503338.108	7.118	0.061872	mg/L
Bi	209	351855.837	351855.837		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	240031.185	-300.542		mg/L
Cu	63	262619.533	0.815	0.029108	mg/L
Cu	65	127766.301	0.398	0.028900	mg/L
Zn	66	242173.680	0.567	0.087745	mg/L
Zn	68	205008.310	0.478	0.092978	mg/L
Ge	72	426824.984	426824.984		mg/L
Rh	103	285015.987	-4112.350		mg/L
Pb	208	2572550.886	7.272	0.063210	mg/L
Bi	209	353734.101	353734.101		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	238638.050	685.677		mg/L
Cu	63	260222.032	0.594	0.028154	mg/L
Cu	65	127561.229	0.292	0.028254	mg/L

Zn	66	243740.582	0.597	0.086208	mg/L
Zn	68	205280.674	0.465	0.080126	mg/L
Ge	73	437241.648	437241.648		mg/L
Rh	103	280439.449	4688.787		mg/L
Pb	208	2564283.338	7.308	0.083522	mg/L
Bi	209	350884.500	350884.500		mg/L

Sample Information

Sample ID: 1001142-03
Autosampler Position: 50
Sample Date/Time: Monday, January 25, 2010 13:39:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001142-03.058
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	251128.019	10796.291				mg/L
	Cu	63	104515.729	0.239	0.011298	0.000	0.836	mg/L
	Cu	65	51076.225	0.117	0.011264	0.000	0.675	mg/L
	Zn	66	240681.105	0.550	0.085200	0.001	1.463	mg/L
	Zn	68	206904.298	0.469	0.090931	0.002	2.213	mg/L
>	Ge	72	436865.678	436865.678				mg/L
	Rh	103	291725.761	2597.515				mg/L
	Pb	208	1847569.088	5.326	0.046293	0.001	1.675	mg/L
>	Bi	209	346842.207	346842.207				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.130
	Rh	102.905	
	Pb	207.977	
>	Bi	208.980	95.918

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	258818.341	10568.813		mg/L
Cu	63	105048.014	0.239	0.011289	mg/L
Cu	65	50897.897	0.116	0.011184	mg/L
Zn	66	237838.625	0.541	0.083770	mg/L
Zn	68	202668.338	0.457	0.084808	mg/L
Ge	72	439045.081	439045.081		mg/L
Rh	103	284878.634	449.417		mg/L
Pb	208	1803530.561	5.229	0.045452	mg/L
Bi	209	344481.486	344481.486		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	248025.302	9683.574		mg/L
Cu	63	103527.131	0.237	0.011203	mg/L
Cu	65	51063.480	0.117	0.011274	mg/L
Zn	66	242051.398	0.554	0.085775	mg/L
Zn	68	209434.435	0.475	0.092138	mg/L
Ge	72	436381.984	436381.984		mg/L
Rh	103	290784.518	1638.273		mg/L
Pb	208	1846188.186	5.343	0.046445	mg/L
Bi	209	345475.143	345475.143		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	248440.413	6108.685		mg/L
Cu	63	104871.040	0.241	0.011382	mg/L
Cu	65	51187.799	0.117	0.011335	mg/L

Zn	66	242153.294	0.556	0.086054	mg/L
Zn	68	208828.118	0.479	0.082050	mg/L
Ge	72	435159.969	435158.969		mg/L
Rh	103	285733.831	6605.884		mg/L
Pb	208	1892877.536	5.405	0.048881	mg/L
Bi	209	350188.992	350188.992		mg/L

Sample Information

Sample ID: 1001142-04
Autosampler Position: 51
Sample Date/Time: Monday, January 25, 2010 13:42:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001142-04.059
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	246436.039	6104.312				mg/L
	Cu	63	155989.754	0.361	0.017116	0.000	2.229	mg/L
	Cu	65	76802.751	0.178	0.017196	0.000	2.156	mg/L
	Zn	66	220056.791	0.510	0.078976	0.002	2.052	mg/L
	Zn	68	189300.221	0.435	0.084291	0.002	2.017	mg/L
>	Ge	72	430894.461	430894.461				mg/L
	Rh	103	275277.217	-13851.029				mg/L
	Pb	208	2256089.251	6.412	0.055741	0.001	1.736	mg/L
>	Bi	209	351776.157	351776.157				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.775
	Rh	102.905	
	Pb	207.977	
>	Bi	208.980	97.282

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	255892.881	15381.253		mg/L
Cu	63	154743.041	0.353	0.016729	mg/L
Cu	65	76024.870	0.173	0.016771	mg/L
Zn	66	218855.626	0.488	0.077324	mg/L
Zn	68	188038.727	0.425	0.082484	mg/L
Ge	72	437228.051	437228.051		mg/L
Rh	103	274425.051	-14703.189		mg/L
Pb	208	2208133.423	6.265	0.054629	mg/L
Bi	209	351309.683	351309.683		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	243144.549	2812.821		mg/L
Cu	63	155314.532	0.362	0.017128	mg/L
Cu	65	77377.192	0.181	0.017458	mg/L
Zn	66	223353.636	0.520	0.080562	mg/L
Zn	68	188481.681	0.436	0.084529	mg/L
Ge	72	428898.503	428898.503		mg/L
Rh	103	276783.170	-12345.078		mg/L
Pb	208	2268086.210	6.465	0.056198	mg/L
Bi	209	350773.798	350773.798		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	240470.588	118.661		mg/L
Cu	63	157811.688	0.369	0.017492	mg/L
Cu	65	76808.081	0.180	0.017380	mg/L

Zn	66	216180.808	0.510	0.079043	mg/L
Zn	68	190888.258	0.443	0.085460	mg/L
Ge	72	426780.830	426780.830		mg/L
Rh	103	27.4823.430	7.4504.816		mg/L
As	208	2282089.119	8.486	0.056385	mg/L
Ir	208	353244.881	353244.881		mg/L

Sample Information

Sample ID: 1001177-05
Autosampler Position: 52
Sample Date/Time: Monday, January 25, 2010 13:44:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-05.060
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	249907.704	9575.976				mg/L
	Cu	63	226011.288	0.510	0.024169	0.000	0.468	mg/L
	Cu	65	111365.006	0.251	0.024305	0.000	1.438	mg/L
	Zn	66	134606.511	0.304	0.047008	0.001	1.390	mg/L
	Zn	68	114694.736	0.255	0.049379	0.000	0.253	mg/L
>	Ge	72	442274.208	442274.208				mg/L
	Rh	103	291118.184	1989.938				mg/L
	Pb	208	1698455.140	4.778	0.041532	0.001	1.846	mg/L
>	Bi	209	355471.925	355471.925				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.357
	Rh	102.905	
	Pb	207.977	
>	Bi	208.980	98.304

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	240886.710	20568.983		mg/L
Cu	63	226744.620	0.512	0.024240	mg/L
Cu	65	110581.988	0.250	0.024125	mg/L
Zn	66	132987.748	0.300	0.046418	mg/L
Zn	68	114558.177	0.254	0.049302	mg/L
Ge	72	442428.004	442428.004		mg/L
Rh	103	292456.288	3330.040		mg/L
Pb	208	1680843.702	4.701	0.040882	mg/L
Bi	209	357458.101	357458.101		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	248886.578	6508.848		mg/L
Cu	63	223487.635	0.508	0.024029	mg/L
Cu	65	112548.057	0.256	0.024708	mg/L
Zn	66	135811.081	0.308	0.047708	mg/L
Zn	68	113888.791	0.254	0.049311	mg/L
Ge	72	439878.088	439878.088		mg/L
Rh	103	288543.988	1264.248		mg/L
Pb	208	1707850.018	4.758	0.041385	mg/L
Bi	209	356822.833	356822.833		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241925.626	1594.098		mg/L
Cu	63	227821.409	0.512	0.024229	mg/L
Cu	65	110983.997	0.249	0.024483	mg/L

Zn	66	135040.705	0.303	0.046886	mg/L
Zn	68	115859.241	0.259	0.046523	mg/L
Ge	72	444721.556	444721.556		mg/L
In	103	294352.288	3224.023		mg/L
Pb	208	1708871.704	4.874	0.042388	mg/L
In	208	350134.741	350134.741		mg/L

Sample Information

Sample ID: 1000390-MS1
Autosampler Position: 53
Sample Date/Time: Monday, January 25, 2010 13:47:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000390-MS1.061
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	250536.906	10205.178				mg/L
	Cu	63	447156.361	1.006	0.047666	0.000	0.908	mg/L
	Cu	65	217524.787	0.489	0.047318	0.001	2.099	mg/L
	Zn	66	206366.416	0.464	0.071860	0.001	1.422	mg/L
	Zn	68	174194.273	0.388	0.075168	0.002	3.160	mg/L
>	Ge	72	444014.957	444014.957				mg/L
	Rh	103	289958.384	830.138				mg/L
	Pb	208	2487094.785	7.071	0.061463	0.001	2.121	mg/L
>	Bi	209	351802.949	351802.949				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.752
	Rh	102.905	
	Pb	207.977	
>	Bi	208.980	97.289

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	256808.471	16574.743		mg/L
Cu	63	451358.891	1.007	0.047708	mg/L
Cu	65	224688.008	0.501	0.048451	mg/L
Zn	66	205043.890	0.457	0.070780	mg/L
Zn	68	170104.271	0.375	0.073722	mg/L
Ge	72	447985.603	447985.603		mg/L
Rh	103	290800.974	2727.272		mg/L
Pb	208	2470103.444	7.031	0.061119	mg/L
Bi	209	351262.766	351262.766		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	249946.474	9814.746		mg/L
Cu	63	445181.122	1.015	0.046076	mg/L
Cu	65	212833.723	0.465	0.046911	mg/L
Zn	66	208311.681	0.470	0.072781	mg/L
Zn	68	172275.212	0.386	0.075315	mg/L
Ge	72	438248.829	438248.829		mg/L
Rh	103	288828.053	502.194		mg/L
Pb	208	2497010.131	8.944	0.060366	mg/L
Bi	209	359521.084	359521.084		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	244757.773	4428.045		mg/L
Cu	63	444751.070	0.987	0.047214	mg/L
Cu	65	215052.833	0.482	0.046583	mg/L

: 00687

Zn	66	207743.617	0.465	0.072037	mg/L
Zn	68	80203.338	0.400	0.077488	mg/L
Se	77	445832.838	445832.838		mg/L
Rh	103	394348.128	5219.880		mg/L
Pb	208	7494170.779	7.238	0.067804	mg/L
Bi	209	144824.887	144824.887		mg/L

Sample Information

Sample ID: 1000390-MSD1
Autosampler Position: 54
Sample Date/Time: Monday, January 25, 2010 13:49:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000390-MSD1.062
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	257795.660	17463.932				mg/L
[	Cu	63	375788.361	0.833	0.039464	0.000	1.053	mg/L
|	Cu	65	184012.003	0.408	0.039442	0.001	1.869	mg/L
|	Zn	66	176858.892	0.392	0.060668	0.002	3.182	mg/L
|	Zn	68	149946.263	0.328	0.063628	0.002	2.696	mg/L
I->	Ge	72	450660.881	450660.881				mg/L
	Rh	103	293010.369	3882.123				mg/L
	Pb	208	2047730.554	5.611	0.048776	0.001	2.741	mg/L
I->	Bi	209	364970.236	364970.236				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
I->	Ge	71.922	102.260
	Rh	102.905	
[	Pb	207.977	
I->	Bi	208.980	100.931

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	268856.801	28524.073		mg/L
Cu	63	378247.472	0.824	0.038008	mg/L
Cu	65	183450.088	0.388	0.038611	mg/L
Zn	66	173754.467	0.378	0.058518	mg/L
Zn	68	148048.983	0.318	0.061654	mg/L
Ge	72	458658.075	458658.075		mg/L
Rh	103	295444.944	6316.697		mg/L
Pb	208	2016021.729	5.435	0.047247	mg/L
Bi	209	370852.923	370852.923		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	254386.141	14483.413		mg/L
Cu	63	374530.084	0.835	0.039583	mg/L
Cu	65	185620.381	0.414	0.040018	mg/L
Zn	66	180424.037	0.402	0.062248	mg/L
Zn	68	151033.879	0.332	0.064466	mg/L
Ge	72	447879.311	447879.311		mg/L
Rh	103	291162.048	2033.801		mg/L
Pb	208	2082018.385	5.720	0.049720	mg/L
Bi	209	360446.911	360446.911		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	250136.038	9804.310		mg/L
Cu	63	374567.556	0.841	0.039672	mg/L
Cu	65	182958.583	0.411	0.039697	mg/L

Zn	66	176388.171	0.395	0.061243	mg/L
Zn	68	150757.847	0.334	0.064782	mg/L
Ge	72	445144.258	445144.258		mg/L
In	103	792424.117	32058.871		mg/L
Pb	208	2085150.348	5.678	0.049.483	mg/L
In	208	163808.875	163808.875		mg/L

Sample Information

Sample ID: 0A25028-SRD3
Autosampler Position: 55
Sample Date/Time: Monday, January 25, 2010 13:52:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-SRD3.063
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	246708.803	6377.076				mg/L
[	Cu	63	48349.676	0.111	0.005280	0.000	2.239	mg/L
|	Cu	65	23734.990	0.055	0.005286	0.000	2.354	mg/L
|	Zn	66	28623.366	0.066	0.010156	0.000	3.332	mg/L
|	Zn	68	26048.576	0.056	0.010817	0.000	2.341	mg/L
>	Ge	72	431102.930	431102.930				mg/L
	Rh	103	295561.823	6433.577				mg/L
[	Pb	208	356937.019	1.034	0.008985	0.000	1.434	mg/L
>	Bi	209	345065.075	345065.075				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
>	Ge	71.922	97.822
	Rh	102.905	
|	Pb	207.977	
>	Bi	208.980	95.426

X10

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	255715.881	15383.833		mg/L
Cu	63	48247.748	0.109	0.005144	mg/L
Cu	65	23670.907	0.053	0.005146	mg/L
Zn	66	28208.938	0.063	0.008785	mg/L
Zn	68	28114.114	0.055	0.010568	mg/L
Ge	72	441401.819	441401.819		mg/L
Rh	103	298722.748	10584.503		mg/L
Pb	208	355834.879	1.019	0.008857	mg/L
Bi	209	348734.821	348734.821		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	243517.200	3165.472		mg/L
Cu	63	48072.740	0.113	0.005347	mg/L
Cu	65	23733.987	0.056	0.005384	mg/L
Zn	66	28838.404	0.067	0.010349	mg/L
Zn	68	28138.192	0.057	0.011075	mg/L
Ge	72	423153.851	423153.851		mg/L
Rh	103	294118.145	4987.886		mg/L
Pb	208	355852.772	1.033	0.008983	mg/L
Bi	209	344158.287	344158.287		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	240883.548	561.872		mg/L
Cu	63	48728.538	0.113	0.005349	mg/L
Cu	65	23600.178	0.056	0.005328	mg/L

Zn	66	39028.758	0.087	0.010353	mg/L
Zn	68	25482.421	0.058	0.010807	mg/L
Ge	72	428753.318	428753.318		mg/L
Rh	103	2828446.578	3718.329		mg/L
Pb	206	356223.610	1.048	0.009115	mg/L
Bi	209	347302.116	342302.116		mg/L

Sample Information

Sample ID: 1000390-PS2
Autosampler Position: 56
Sample Date/Time: Monday, January 25, 2010 13:54:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000390-PS2.064
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	248441.137	8109.409				mg/L
	Cu	63	397745.516	0.912	0.043206	0.001	1.395	mg/L
	Cu	65	195554.311	0.448	0.043353	0.000	0.806	mg/L
	Zn	66	182651.070	0.418	0.064806	0.002	2.702	mg/L
	Zn	68	153193.253	0.347	0.067278	0.001	1.853	mg/L
I>	Ge	72	435678.670	435678.670				mg/L
	Rh	103	286358.599	-2769.647				mg/L
	Pb	208	2440799.288	6.946	0.060378	0.001	1.890	mg/L
I>	Bi	209	351327.587	351327.587				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
I>	Ge	71.922	98.861
	Rh	102.905	
	Pb	207.977	
I>	Bi	208.980	97.158

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	258057.231	17725.503		mg/L
Cu	63	398188.040	0.907	0.042949	mg/L
Cu	65	196857.988	0.446	0.043336	mg/L
Zn	66	179348.185	0.406	0.063178	mg/L
Zn	68	151127.556	0.340	0.065882	mg/L
Ge	72	438757.481	438757.481		mg/L
Rh	103	288210.834	-2917.412		mg/L
Pb	208	2373805.931	6.803	0.059137	mg/L
Bi	209	346854.588	346854.588		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	242481.834	2160.208		mg/L
Cu	63	392083.221	0.903	0.042774	mg/L
Cu	65	193170.140	0.446	0.043013	mg/L
Zn	66	167058.012	0.430	0.066658	mg/L
Zn	68	154771.584	0.352	0.068278	mg/L
Ge	72	433772.384	433772.384		mg/L
Rh	103	284458.248	4871.988		mg/L
Pb	208	2458515.881	6.973	0.060817	mg/L
Bi	209	352508.771	352508.771		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	244774.247	4442.519		mg/L
Cu	63	402987.288	0.927	0.043884	mg/L
Cu	65	198634.807	0.452	0.043711	mg/L

00693

Zn	66	181545.003	0.417	0.064580	mg/L
Zn	68	153880.649	0.349	0.067874	mg/L
Ge	72	434508.156	434508.156		mg/L
In	103	288408.716	719.530		mg/L
Pb	208	2490278.053	7.081	0.081361	mg/L
Bi	209	352819.306	352819.306		mg/L

Sample Information

Sample ID: 1001177-12
Autosampler Position: 57
Sample Date/Time: Monday, January 25, 2010 13:56:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-12.065
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	251837.439	11505.712				mg/L
[	Cu	63	108177.358	0.251	0.011902	0.000	0.505	mg/L
|	Cu	65	53525.890	0.124	0.012016	0.000	0.885	mg/L
|	Zn	66	133259.370	0.310	0.047946	0.000	0.306	mg/L
|	Zn	68	105776.869	0.242	0.046872	0.001	1.070	mg/L
[>	Ge	72	429285.037	429285.037				mg/L
	Rh	103	294938.762	5810.516				mg/L
[	Pb	208	119495.514	0.346	0.003005	0.000	1.257	mg/L
[>	Bi	209	344814.466	344814.466				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	97.410
	Rh	102.905	
[	Pb	207.977	
[>	Bi	208.980	95.357

X 10

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	251338.188	21008.440		mg/L
Cu	63	108417.784	0.252	0.011964	mg/L
Cu	65	53907.336	0.125	0.012127	mg/L
Zn	66	132748.297	0.309	0.047683	mg/L
Zn	68	104456.832	0.239	0.046378	mg/L
Ge	72	428378.688	428378.688		mg/L
Rh	103	292531.800	3403.554		mg/L
Pb	208	117388.818	0.342	0.002988	mg/L
Bi	209	342819.782	342819.782		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	248337.322	6005.584		mg/L
Cu	63	107788.688	0.250	0.011838	mg/L
Cu	65	53163.701	0.123	0.011919	mg/L
Zn	66	133988.672	0.311	0.048118	mg/L
Zn	68	105855.360	0.242	0.046881	mg/L
Ge	72	430111.718	430111.718		mg/L
Rh	103	294338.808	5210.559		mg/L
Pb	208	120238.184	0.350	0.003044	mg/L
Bi	209	342487.718	342487.718		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	247836.828	7505.100		mg/L
Cu	63	108325.586	0.253	0.011918	mg/L
Cu	65	53486.633	0.124	0.012004	mg/L

Zn	66	133045.863	0.308	0.047860	mg/L
Zn	68	108818.585	0.244	0.047379	mg/L
Ge	72	429388.727	429366.727	-	mg/L
In	103	297945.680	8417.434		mg/L
Pb	208	170881.541	0.345	0.003001	mg/L
In	209	348155.820	348155.820		mg/L

Sample ID: 1001177-12
Report Date/Time: Monday, January 25, 2010 13:57:33

Sample Information

Sample ID: 1001177-12
Autosampler Position: 58
Sample Date/Time: Monday, January 25, 2010 13:59:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-12.066
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	266830.342	26498.614				mg/L
[	Cu	63	497772.146	1.111	0.052597	0.001	1.105	mg/L
|	Cu	65	240508.365	0.537	0.051867	0.000	0.874	mg/L
|	Zn	66	603095.740	1.345	0.208386	0.003	1.243	mg/L
|	Zn	68	483148.577	1.074	0.208212	0.004	1.965	mg/L
L>	Ge	72	447968.250	447968.250				mg/L
	Rh	103	292127.451	2999.205				mg/L
[	Pb	208	535024.245	1.503	0.013061	0.000	2.914	mg/L
L>	Bi	209	355917.887	355917.887				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
L>	Ge	71.922	101.649
	Rh	102.905	
[	Pb	207.977	
L>	Bi	208.980	98.427

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	281054.688	40772.942		mg/L
Cu	63	494268.277	1.108	0.052512	mg/L
Cu	65	239417.811	0.537	0.051811	mg/L
Zn	66	594161.614	1.333	0.208412	mg/L
Zn	68	471574.387	1.054	0.204317	mg/L
Ge	72	445535.351	445535.351		mg/L
Rh	103	290040.840	812.984		mg/L
Pb	208	522068.802	1.457	0.012888	mg/L
Bi	209	356024.887	356024.887		mg/L

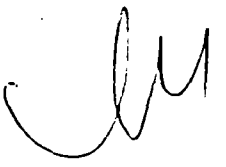
Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	260107.538	19775.811		mg/L
Cu	63	501572.372	1.124	0.053318	mg/L
Cu	65	241508.988	0.541	0.052286	mg/L
Zn	66	609085.841	1.364	0.211318	mg/L
Zn	68	490864.688	1.098	0.212474	mg/L
Ge	72	448122.556	448122.556		mg/L
Rh	103	293633.426	4705.180		mg/L
Pb	208	536178.073	1.508	0.013088	mg/L
Bi	209	357230.650	357230.650		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	258328.817	18897.088		mg/L
Cu	63	497447.787	1.098	0.052063	mg/L
Cu	65	240586.195	0.532	0.051393	mg/L

Zn	66	608088.784	1.338	0.207429	mg/L
Zn	68	466808.646	1.072	0.207844	mg/L
Ge	72	452248.844	452248.844		mg/L
Rh	103	292507.988	3378.740		mg/L
Pb	208	544626.888	1.545	0.013428	mg/L
Bi	209	352488.344	352488.344		mg/L



Sample Information

Sample ID: 0A25028-CCV
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 14:01:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCV.067
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	249190.646	8858.918				mg/L
	Cu	63	366241.077	0.850	0.040259	0.001	1.850	mg/L
	Cu	65	177012.685	0.411	0.039712	0.001	1.423	mg/L
	Zn	66	110666.926	0.256	0.039681	0.000	1.259	mg/L
	Zn	68	90564.765	0.206	0.039892	0.001	2.203	mg/L
>	Ge	72	430521.683	430521.683				mg/L
	Rh	103	288578.601	-549.645				mg/L
	Pb	208	1488952.322	4.432	0.038522	0.001	2.537	mg/L
>	Bi	209	335985.808	335985.808				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.690
	Rh	102.905	
	Pb	207.977	
>	Bi	208.980	92.915

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	260877.110	20845.382		mg/L
Cu	63	373450.184	0.868	0.041116	mg/L
Cu	65	179463.032	0.417	0.040328	mg/L
Zn	66	108842.587	0.253	0.039123	mg/L
Zn	68	88988.617	0.202	0.039243	mg/L
Ge	72	429838.125	429838.125		mg/L
Rh	103	286380.518	-2747.728		mg/L
Pb	208	1481981.417	4.318	0.037514	mg/L
Bi	209	338686.787	338686.787		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	247487.078	7115.348		mg/L
Cu	63	358121.710	0.840	0.039788	mg/L
Cu	65	177878.151	0.408	0.039219	mg/L
Zn	66	113040.649	0.257	0.039837	mg/L
Zn	68	91368.043	0.204	0.039540	mg/L
Ge	72	434034.920	434034.920		mg/L
Rh	103	290272.810	1144.564		mg/L
Pb	208	1503873.823	4.438	0.038588	mg/L
Bi	209	338725.287	338725.287		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	238127.753	-1203.975		mg/L
Cu	63	357151.357	0.842	0.039691	mg/L
Cu	65	173878.673	0.410	0.038588	mg/L

: 00699

Zn	66	110017.582	0.258	0.040065	mg/L
Zr	90	91329.638	0.211	0.040882	mg/L
Ge	72	423682.002	423682.002		mg/L
Mn	103	289082.475	-45.771		mg/L
Pb	208	1501021.726	4.540	0.039488	mg/L
Si	209	330546.368	330546.368		mg/L

Sample Information

Sample ID: 0A25028-CCB

Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 14:04:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCB.068
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	241364.167	1032.439				mg/L
	Cu	63	385.013	0.000	0.000011	0.000	10.925	mg/L
	Cu	65	211.005	0.000	0.000011	0.000	16.354	mg/L
	Zn	66	320.676	-0.000	-0.000011	0.000	5.177	mg/L
	Zn	68	1947.580	0.000	0.000018	0.000	121.459	mg/L
>	Ge	72	410634.054	410634.054				mg/L
	Rh	103	280266.667	-8861.579				mg/L
	Pb	208	508.678	0.001	0.000006	0.000	23.678	mg/L
>	Bi	209	323795.216	323795.216				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	93.178
	Rh	102.905	
	Pb	207.977	
>	Bi	208.980	89.544

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	250254.518	9932.780		mg/L
Cu	63	377.012	0.000	0.000010	mg/L
Cu	65	204.005	0.000	0.000008	mg/L
Zn	66	322.008	0.000	0.000011	mg/L
Zn	68	1962.251	0.000	0.000021	mg/L
Ge	72	412371.686	412371.686		mg/L
Rh	103	281619.284	-7568.982		mg/L
Pb	208	567.013	0.001	0.000007	mg/L
Bi	209	326468.479	326468.479		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	231544.408	2787.321		mg/L
Cu	63	382.013	0.000	0.000011	mg/L
Cu	65	216.005	0.000	0.000013	mg/L
Zn	66	321.008	0.000	0.000011	mg/L
Zn	68	1981.233	0.000	0.000008	mg/L
Ge	72	409082.348	409082.348		mg/L
Rh	103	277473.577	-11854.688		mg/L
Pb	208	505.011	0.001	0.000008	mg/L
Bi	209	323460.251	323460.251		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	236293.577	4038.151		mg/L
Cu	63	396.013	0.000	0.000012	mg/L
Cu	65	211.005	0.000	0.000011	mg/L

Zn	66	319.009	0.000	0.000012	mg/L
Zn	68	1369.257	0.000	0.000038	mg/L
Se	72	410446.116	410446.116		mg/L
Hf	103	281707.182	-.7421.084		mg/L
Pb	208	454.009	0.001	0.000005	mg/L
Bi	209	321058.817	321058.817		mg/L

Sample Information

Sample ID: 1001177-13
Autosampler Position: 59
Sample Date/Time: Monday, January 25, 2010 14:06:34
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-13.069
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	248188.758	7857.030				mg/L
	Cu	63	306280.076	0.709	0.033592	0.001	2.066	mg/L
	Cu	65	149287.927	0.346	0.033415	0.000	1.307	mg/L
	Zn	66	152114.129	0.352	0.054477	0.001	1.234	mg/L
	Zn	68	127589.736	0.291	0.056438	0.001	1.154	mg/L
>	Ge	72	431418.206	431418.206				mg/L
	Rh	103	287289.784	-1838.462				mg/L
	Pb	208	2832821.028	8.017	0.069689	0.001	1.736	mg/L
>	Bi	209	353289.942	353289.942				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.894
	Rh	102.905	
	Pb	207.977	
>	Bi	208.980	97.701

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	256316.070	17984.342		mg/L
Cu	63	302106.538	0.701	0.033204	mg/L
Cu	65	147850.518	0.343	0.033183	mg/L
Zn	66	149834.988	0.347	0.053703	mg/L
Zn	68	125768.153	0.287	0.055741	mg/L
Ge	72	430495.811	430495.811		mg/L
Rh	103	286281.180	2847.058		mg/L
Pb	208	2782408.383	7.881	0.068332	mg/L
Bi	209	351370.155	351370.155		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	244502.437	6170.709		mg/L
Cu	63	312637.623	0.726	0.034383	mg/L
Cu	65	151081.735	0.351	0.033820	mg/L
Zn	66	152658.684	0.359	0.054911	mg/L
Zn	68	127432.210	0.292	0.056543	mg/L
Ge	72	430108.456	430108.456		mg/L
Rh	103	286804.010	-2524.238		mg/L
Pb	208	2855820.081	9.062	0.070082	mg/L
Bi	209	354158.490	354158.490		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241747.788	1416.040		mg/L
Cu	63	304387.085	0.701	0.033178	mg/L
Cu	65	148831.525	0.343	0.033183	mg/L

Zn	66	153850.737	0.354	0.054618	mg/L
Zn	68	129571.847	0.294	0.057030	mg/L
Ge	72	433652.353	433652.353		mg/L
Rh	103	288884.151	-144.088		mg/L
Pb	208	2680433.810	6.128	0.070854	mg/L
Bi	209	354343.182	354343.182		mg/L

Sample Information

Sample ID: 1001254-04
Autosampler Position: 60
Sample Date/Time: Monday, January 25, 2010 14:08:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-04.070
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	246944.582	6612.855				mg/L
[	Cu	63	156508.575	0.366	0.017334	0.000	1.145	mg/L
	Cu	65	77101.134	0.180	0.017425	0.000	1.176	mg/L
	Zn	66	139992.360	0.327	0.050666	0.001	1.719	mg/L
	Zn	68	113745.874	0.262	0.050768	0.001	1.200	mg/L
[>	Ge	72	426845.380	426845.380				mg/L
	Rh	103	284329.117	-4799.129				mg/L
[	Pb	208	543963.292	1.568	0.013633	0.000	0.509	mg/L
[>	Bi	209	346637.900	346637.900				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
[>	Ge	71.922	96.856
	Rh	102.905	
	Pb	207.977	
[>	Bi	208.980	95.861

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	254576.568	14244.631		mg/L
Cu	63	156576.638	0.367	0.017401	mg/L
Cu	65	77217.875	0.181	0.017512	mg/L
Zn	66	137204.846	0.323	0.049628	mg/L
Zn	68	112419.268	0.260	0.050340	mg/L
Ge	72	425350.378	425350.378		mg/L
Rh	103	282518.870	-6608.278		mg/L
Pb	208	535810.723	1.561	0.013569	mg/L
Bi	209	342853.082	342853.082		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	243283.518	2951.791		mg/L
Cu	63	156284.612	0.361	0.017111	mg/L
Cu	65	76984.452	0.178	0.017181	mg/L
Zn	66	141443.680	0.327	0.050804	mg/L
Zn	68	114465.821	0.260	0.050488	mg/L
Ge	72	431783.988	431783.988		mg/L
Rh	103	285848.002	-1480.244		mg/L
Pb	208	548383.738	1.577	0.013707	mg/L
Bi	209	346302.448	346302.448		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	242973.870	7841.942		mg/L
Cu	63	156854.375	0.368	0.017480	mg/L
Cu	65	77131.078	0.182	0.017573	mg/L

Zn	66	141328.753	0.333	0.051586	mg/L
Zn	66	114358.432	0.285	0.051486	mg/L
Ge	72	423401.783	423401.783		mg/L
Rh	103	264820.377	4307.888		mg/L
Pb	208	548888.414	1.587	0.013622	mg/L
Bi	209	350758.158	350758.158		mg/L

Sample Information

Sample ID: 1001254-07
Autosampler Position: 61
Sample Date/Time: Monday, January 25, 2010 14:11:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-07.071
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	253613.940	13282.212				mg/L
	Cu	63	139656.284	0.315	0.014926	0.000	0.739	mg/L
	Cu	65	69034.161	0.156	0.015055	0.000	1.196	mg/L
	Zn	66	99482.871	0.224	0.034715	0.001	2.598	mg/L
	Zn	68	82926.072	0.183	0.035461	0.000	0.668	mg/L
>	Ge	72	442162.689	442162.689				mg/L
	Rh	103	295500.031	6371.785				mg/L
	Pb	208	149041.502	0.425	0.003698	0.000	2.568	mg/L
>	Bi	209	349661.541	349661.541				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.332
	Rh	102.905	
	Pb	207.977	
>	Bi	208.980	96.697

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	261371.179	21038.452		mg/L
Cu	63	140716.682	0.317	0.015022	mg/L
Cu	65	68480.906	0.155	0.014959	mg/L
Zn	66	96700.787	0.218	0.033787	mg/L
Zn	68	82163.886	0.181	0.035188	mg/L
Ge	72	441417.625	441417.625		mg/L
Rh	103	297823.423	8636.177		mg/L
Pb	208	146881.877	0.413	0.003581	mg/L
Bi	209	354280.787	354280.787		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	250588.684	10234.988		mg/L
Cu	63	136252.788	0.313	0.014808	mg/L
Cu	65	68380.089	0.156	0.014842	mg/L
Zn	66	101804.081	0.230	0.035800	mg/L
Zn	68	83085.988	0.184	0.035805	mg/L
Ge	72	441268.003	441268.003		mg/L
Rh	103	293438.679	4310.633		mg/L
Pb	208	150178.194	0.429	0.003730	mg/L
Bi	209	349280.156	349280.156		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	248803.946	9372.219		mg/L
Cu	63	140387.195	0.316	0.014950	mg/L
Cu	65	70241.489	0.158	0.015282	mg/L

Zn	66	99843.748	0.224	0.034747	mg/L
Zn	68	63529.383	0.184	0.035580	mg/L
Ge	72	443802.440	443802.440		mg/L
Rh	103	2952237.791	6108.544		mg/L
Pb	206	150284.729	0.434	0.003773	mg/L
Pb	208	345483.682	345483.682		mg/L

Sample Information

Sample ID: 1001254-08
Autosampler Position: 62
Sample Date/Time: Monday, January 25, 2010 14:13:45
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-08.072
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	262411.400	22079.673				mg/L
	Cu	63	150054.877	0.345	0.016349	0.000	0.480	mg/L
	Cu	65	73334.341	0.169	0.016305	0.000	1.585	mg/L
	Zn	66	99607.975	0.229	0.035431	0.001	2.365	mg/L
	Zn	68	81165.589	0.182	0.035377	0.001	2.353	mg/L
>	Ge	72	433815.913	433815.913				mg/L
	Rh	103	292710.009	3581.763				mg/L
	Pb	208	106069.820	0.301	0.002621	0.000	1.198	mg/L
>	Bi	209	350807.509	350807.509				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.438
	Rh	102.905	
	Pb	207.977	
>	Bi	208.980	97.014

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	274800.838	34268.971		mg/L
Cu	63	150791.547	0.345	0.016383	mg/L
Cu	65	73179.840	0.168	0.016204	mg/L
Zn	66	97441.348	0.223	0.034516	mg/L
Zn	68	79403.289	0.178	0.034443	mg/L
Ge	72	435570.834	435570.834		mg/L
Rh	103	299526.881	10398.845		mg/L
Pb	208	105912.978	0.298	0.002580	mg/L
Bi	209	354431.408	354431.408		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	251544.528	15212.000		mg/L
Cu	63	148024.570	0.343	0.016284	mg/L
Cu	65	74032.128	0.172	0.016598	mg/L
Zn	66	94283.922	0.230	0.035814	mg/L
Zn	68	81968.978	0.186	0.036043	mg/L
Ge	72	430180.115	430180.115		mg/L
Rh	103	284750.025	4378.213		mg/L
Pb	208	104818.086	0.301	0.002619	mg/L
Bi	209	348172.201	348172.201		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	257088.873	18757.248		mg/L
Cu	63	151348.514	0.347	0.016418	mg/L
Cu	65	72791.258	0.167	0.016113	mg/L

Zn	66	102088.656	0.233	0.036162	mg/L
Zn	68	42124.488	0.184	0.025644	mg/L
Ge	72	435898.891	435898.891		mg/L
In	103	293853.102	4724.859		mg/L
Sb	208	107878.387	0.308	0.002853	mg/L
Ir	209	351428.820	351428.820		mg/L

Sample Information

Sample ID: 1001254-10
Autosampler Position: 63
Sample Date/Time: Monday, January 25, 2010 14:16:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-10.073
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	250832.392	10500.665				mg/L
[	Cu	63	261999.304	0.600	0.028409	0.000	1.336	mg/L
|	Cu	65	128939.482	0.295	0.028532	0.000	0.689	mg/L
|	Zn	66	240133.375	0.550	0.085111 x2	0.001	0.826	mg/L
|	Zn	68	201238.442	0.457	~~0.088521~~	0.002	2.111	mg/L
L>	Ge	72	436301.606	436301.606				mg/L
	Rh	103	284580.096	-4548.150				mg/L
	Pb	208	1128408.972	3.208	0.027886	0.000	1.226	mg/L
L>	Bi	209	351649.542	351649.542				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
L>	Ge	71.922	99.002
	Rh	102.905	
[	Pb	207.977	
L>	Bi	208.980	97.247

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	264738.028	24408.300		mg/L
Cu	63	264436.848	0.609	0.028829	mg/L
Cu	65	129260.067	0.297	0.028758	mg/L
Zn	66	238298.520	0.548	0.084823	mg/L
Zn	68	195847.874	0.446	0.086516	mg/L
Ge	72	433933.435	433933.435		mg/L
Rh	103	282936.888	6168.380		mg/L
Pb	208	1106807.689	3.168	0.027516	mg/L
Bi	209	348547.852	348547.852		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	244079.298	3747.568		mg/L
Cu	63	260214.612	0.593	0.028090	mg/L
Cu	65	128945.233	0.294	0.028407	mg/L
Zn	66	243391.808	0.558	0.085668	mg/L
Zn	68	202823.572	0.459	0.088834	mg/L
Ge	72	434227.670	434227.670		mg/L
Rh	103	275817.343	10310.903		mg/L
Pb	208	1126834.534	3.243	0.028181	mg/L
Bi	209	347878.148	347878.148		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	243679.854	3348.128		mg/L
Cu	63	261347.452	0.596	0.028308	mg/L
Cu	65	129813.157	0.294	0.028430	mg/L

Zn	66	238708.886	0.548	0.084521	mg/L
Zn	66	205243.781	0.465	0.080214	mg/L
Ge	72	436743.714	436743.714		mg/L
Rh	103	281984.080	2855.634		mg/L
Pb	208	1149564.882	3.215	0.027950	mg/L
Bi	209	357422.627	357422.627		mg/L

Sample Information

Sample ID: 0A25028-CCV8
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 14:18:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCV.074
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	242829.348	2497.620				mg/L
	Cu	63	370397.881	0.869	0.041169	0.000	1.109	mg/L
	Cu	65	178359.377	0.419	0.040460	0.000	0.556	mg/L
	Zn	66	111502.169	0.261	0.040431	0.001	1.301	mg/L
	Zn	68	90199.095	0.207	0.040177	0.001	1.553	mg/L
>	Ge	72	425782.594	425782.594				mg/L
	Rh	103	290093.395	965.149				mg/L
	Pb	208	1523390.268	4.603	0.040011	0.001	2.342	mg/L
>	Bi	209	330926.936	330926.936				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.615
	Rh	102.905	
	Pb	207.977	
>	Bi	208.980	91.516

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	255736.280	15404.552		mg/L
Cu	63	375635.178	0.879	0.041654	mg/L
Cu	65	178214.221	0.417	0.040331	mg/L
Zn	66	110408.662	0.258	0.039936	mg/L
Zn	68	89736.463	0.208	0.039488	mg/L
Ge	72	428773.452	428773.452		mg/L
Rh	103	291316.302	2168.058		mg/L
Pb	208	1497241.557	4.481	0.039040	mg/L
Bi	209	333307.201	333307.201		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	230848.788	13383.929		mg/L
Cu	63	371210.323	0.860	0.040747	mg/L
Cu	65	180020.446	0.417	0.040329	mg/L
Zn	66	112750.758	0.261	0.040374	mg/L
Zn	68	90436.982	0.205	0.039770	mg/L
Ge	72	431120.922	431120.922		mg/L
Rh	103	292286.480	3160.234		mg/L
Pb	208	1556504.180	4.708	0.040810	mg/L
Bi	209	330887.057	330887.057		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	235802.988	4528.783		mg/L
Cu	63	364348.143	0.368	0.041107	mg/L
Cu	65	176843.466	0.421	0.040720	mg/L

Zn	66	111349.088	0.265	0.040863	mg/L
Zn	68	90423.848	0.211	0.040888	mg/L
Ge	72	419453.407	419453.407		mg/L
Rh	103	288978.406	-2452.842		mg/L
Pb	208	1516425.087	4.811	0.040083	mg/L
Bi	209	328808.581	328808.581		mg/L

Sample Information

Sample ID: 0A25028-CCB

Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 14:20:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCB.075
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	239530.384	-801.344				mg/L
	Cu	63	355.011	0.000	0.000007	0.000	22.909	mg/L
	Cu	65	199.671	0.000	0.000008	0.000	25.435	mg/L
	Zn	66	306.675	-0.000	-0.000019	0.000	38.200	mg/L
	Zn	68	1931.243	-0.000	-0.000009	0.000	387.804	mg/L
>	Ge	72	419746.609	419746.609				mg/L
	Rh	103	286516.135	-2612.111				mg/L
	Pb	208	521.012	0.001	0.000006	0.000	7.801	mg/L
>	Bi	209	329827.885	329827.885				mg/L

QC Calculated Values

Analyte	Mass	Int Std % Recovery
Li	6.015	
Cu	62.930	
Cu	64.928	
Zn	65.926	
Zn	67.925	
Ge	71.922	95.245
Rh	102.905	
Pb	207.977	
Bi	208.980	91.212

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	248771.904	6440.177		mg/L
Cu	63	368.017	0.000	0.000006	mg/L
Cu	65	195.004	0.000	0.000008	mg/L
Zn	66	291.008	0.000	0.000028	mg/L
Zn	68	1901.238	0.000	0.000031	mg/L
Ge	72	423517.455	423517.455		mg/L
Rh	103	287468.027	-1660.219		mg/L
Pb	208	532.012	0.001	0.000008	mg/L
Bi	209	327691.886	327691.886		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	234079.280	6292.468		mg/L
Cu	63	357.011	0.000	0.000007	mg/L
Cu	65	207.005	0.000	0.000010	mg/L
Zn	66	301.008	0.000	0.000029	mg/L
Zn	68	2000.280	0.000	0.000032	mg/L
Ge	72	415288.243	415288.243		mg/L
Rh	103	287133.782	1994.454		mg/L
Pb	208	528.012	0.001	0.000008	mg/L
Bi	209	330853.234	330853.234		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	237779.968	2551.741		mg/L
Cu	63	340.010	0.000	0.000005	mg/L
Cu	65	197.004	0.000	0.000007	mg/L

Zn	66	328.010	-0.000	0.000011	mg/L
Zn	64	1662.234	-0.000	-0.000029	mg/L
Ge	72	420436.128	420436.128		mg/L
Rh	103	284946.565	-4161.681		mg/L
Pb	208	503.011	0.001	0.000005	mg/L
Bi	209	330839.524	330839.524		mg/L

qc 5.26.

TriMatrix Laboratories, Inc.

cal ID: QA240003 due 1/26

Metals Laboratory Instrument Run Sequence

Instrument #: 201
Date: 1/25/10
Analyst: mSm

Data File: QA250330
Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060
Internal Standard #: 9110476

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

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 9110400
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101 Be
10. IFA1 9110402
11. IFB1 9110403

Analysis # / Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Dilution Factor	Analysis # / Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Dilution Factor
1/17					35/51				
2/18					36/52				
3/19					37/53				
4/20					38/54				
5/21					39/55				
6/22					40/56				
7/23					41/57				
8/24					42/58				
9/25					43/59				
10/26	1001177-05				44/60				
11/27	-MS2		10	10/0390 dom	45/61				
12/28	-MSD2				46/62				
13/29	-SRD1	0.4	10	25	47/63				
14/30	-DS2	0.6	mSm	1/25/10	48/64				
15/31	1001177-12				49/65				
16/32	-13				50/66				
17/33	-14				51/67				
18/34	-15				52/68				
19/35	1000579-BLK2				53/69				
20/36	-DS2				54/70				
21/37	1001254-03				55/71				
22/38	-04				56/72				
23/39	-05				57/73				
24/40	-06				58/74				
25/41	-07				59/75				
26/42	-09				60/76				
27/43	-06				61/77				
28/44	-MS2				62/78				
29/45	-MSD2				63/79				
30/46	-SRD2	0.4	10	25	64/80				
31/47	-DS2				65/81				
32/48	1001254-10				66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 25JAN2010_6020A_B.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	7.025	1526	2020	0.864	
Co	58.933	58.929	14189	2050	0.852	
In	114.904	114.978	27813	2095	0.854	
Ba	137.905	137.979	33416	2110	0.865	
Ce	139.905	139.979	33903	2115	0.866	
Tl	204.975	205.027	49721	2180	0.833	

: 00718

Daily Performance Report

Sample ID: 9101006
Sample Date/Time: Monday, January 25, 2010 14:55:43
Sample Description:
Method File: c:\elandata\Method\6020A_Daily.mth
Dataset File: c:\elandata\Dataset\default\9101006.4240
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 60
Current Dead Time (ns): 60

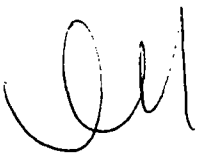
Number of Replicates: 6

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Li	7.0	5580.5	5580.536	179.173	3.2
	Co	58.9	174019.0	174018.958	4413.018	2.5
	In	114.9	425272.4	425272.393	3984.896	0.9
	Tl	205.0	270500.8	270500.771	1755.211	0.6
⌈>	Ba	137.9	329627.5	329627.450	3582.988	1.1
⌊	Ba++	69.0	8965.8	0.027	0.000	1.3
⌈>	Ce	139.9	410525.2	410525.172	10439.488	2.5
⌊	CeO	155.9	10454.4	0.025	0.001	4.0
	Bkgd	220.0	12.5	12.500	5.320	42.6

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5928.108	5928.108
Co	59	170795.512	170795.512
In	115	418855.858	418855.858
Tl	205	269321.848	269321.848
Ba	138	323793.524	323793.524
Ba++	69	8648.485	0.027
Ce	140	393337.853	393337.853
CeO	156	10466.569	0.027
Bkgd	220	22.000	22.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5527.833	5527.833
Co	59	171895.791	171895.791
In	115	424909.754	424909.754
Tl	205	273723.846	273723.846
Ba	138	332277.975	332277.975
Ba++	69	9207.083	0.028
Ce	140	413489.049	413489.049
CeO	156	10326.394	0.025
Bkgd	220	8.000	8.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5540.841	5540.841
Co	59	178039.788	178039.788
In	115	426465.312	426465.312
Tl	205	268862.362	268862.362
Ba	138	332070.532	332070.532
Ba++	69	8951.806	0.027
Ce	140	409968.340	409968.340
CeO	156	10188.224	0.025
Bkgd	220	12.000	12.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5447.780	5447.780
Co	59	169513.735	169513.735
In	115	429957.824	429957.824



Tl	205	269972.398	269972.398
Ba	138	333161.582	333161.582
Ba++	69	9128.998	0.027
Ce	140	411568.387	411568.387
CeO	156	10264.317	0.025
Bkgd	220	9.000	9.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5447.780	5447.780
Co	59	173125.865	173125.865
In	115	423047.784	423047.784
Tl	205	269989.953	269989.953
Ba	138	327611.026	327611.026
Ba++	69	8956.811	0.027
Ce	140	425907.639	425907.639
CeO	156	10454.554	0.025
Bkgd	220	15.000	15.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5590.875	5590.875
Co	59	180743.055	180743.055
In	115	428397.828	428397.828
Tl	205	271134.219	271134.219
Ba	138	328850.061	328850.061
Ba++	69	8901.752	0.027
Ce	140	408879.765	408879.765
CeO	156	11026.290	0.027
Bkgd	220	9.000	9.000

Sample/Batch Report

User Name: analystME
Computer Name: ELAN6100_08
Sample File: C:\Elandata\Sample\0A25056.sam
Report Date/Time: Monday, January 25, 2010 14:59:40

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
26		1001177-05		Sample					
27		1000390-MS2		Sample					
28		1000390-MSD2		Sample					
29		0A25056-SRD1		Sample					
30		1000390-PS3		Sample					
31		1001177-12		Sample					
32		1001177-13		Sample					
33		1001177-14		Sample					
34		1001177-15		Sample					
35		1000579-BLK2		Sample					
36		1000579-BS2		Sample					
37		1001254-03		Sample					
38		1001254-04		Sample					
39		1001254-05		Sample					
40		1001254-06		Sample					
41		1001254-07		Sample					
42		1001254-08		Sample					
43		1001254-09		Sample					
44		1000579-MS2		Sample					
45		1000579-MSD2		Sample					
46		0A25056-SRD2		Sample					
47		1000579-PS2		Sample					
48		1001254-10		Sample					

00721

Sample Information

Sample ID: 0A25056-CAL1
Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 15:01:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CAL1.001
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	411303.145					mg/L
	Be	9	4.333					mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	386147.792			mg/L
Be	9	5.000			mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	422787.784			mg/L
Be	9	2.000			mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	424983.858			mg/L
Be	9	6.000			mg/L

: 00722

Sample Information

Sample ID: 0A25056-CAL2
Autosampler Position: 3
Sample Date/Time: Monday, January 25, 2010 15:03:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CAL2.002
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	414367.127	414367.127				mg/L
	Be	9	96.002	0.000	0.000200	0.000	24.603	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	190938.542	190938.542		mg/L
Be	9	116.002	0.000	0.000257	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	420649.220	420649.220		mg/L
Be	9	84.001	0.000	0.000170	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	431315.821	431315.821		mg/L
Be	9	86.001	0.000	0.000174	mg/L

: 00723

Sample Information

Sample ID: 0A25056-CAL3
Autosampler Position: 4
Sample Date/Time: Monday, January 25, 2010 15:05:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CAL3.003
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	411104.552	411104.552				mg/L
	Be	9	391.680	0.001	0.000993	0.000	7.079	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	388729.801	388729.801		mg/L
Be	9	398.014	0.001	0.001068	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	417297.071	417297.071		mg/L
Be	9	394.013	0.001	0.000982	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	427288.785	427288.785		mg/L
Be	9	382.013	0.001	0.000929	mg/L

: 00724

Sample Information

Sample ID: 0A25056-CAL4
Autosampler Position: 5
Sample Date/Time: Monday, January 25, 2010 15:07:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CAL4.004
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	418202.426	418202.426				mg/L
	Be	9	3755.551	0.009	0.009994	0.000	0.672	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	398044.502	398044.502		mg/L
Be	9	3579.808	0.009	0.010056	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	431942.887	431942.887		mg/L
Be	9	3881.943	0.009	0.010000	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	426819.878	426819.878		mg/L
Be	9	3804.908	0.008	0.009924	mg/L

Sample Information

Sample ID: 0A25056-CAL5
Autosampler Position: 6
Sample Date/Time: Monday, January 25, 2010 15:09:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CAL5.005
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	409594.737	409594.737				mg/L
	Be	9	7781.379	0.019	0.020222	0.000	1.167	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	398493.216	398493.216		mg/L
Be	9	7479.430	0.019	0.019981	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	410877.528	410877.528		mg/L
Be	9	7893.816	0.019	0.020452	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	419413.469	419413.469		mg/L
Be	9	7970.890	0.019	0.020232	mg/L

30726

Sample Information

Sample ID: 0A25056-CAL6
Autosampler Position: 7
Sample Date/Time: Monday, January 25, 2010 15:11:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CAL6.006
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	416312.382	416312.382				mg/L
	Be	9	18888.930	0.045	0.049713	0.000	0.698	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	393458.088	393458.088		mg/L
Be	9	17978.548	0.046	0.050050	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	425310.414	425310.414		mg/L
Be	9	19308.536	0.045	0.048732	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	430170.645	430170.645		mg/L
Be	9	19381.706	0.045	0.049356	mg/L

: 00727

Sample Information

Sample ID: 0A25056-CAL7
Autosampler Position: 8
Sample Date/Time: Monday, January 25, 2010 15:13:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CAL7.007
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	416408.515	416408.515				mg/L
	Be	9	37602.734	0.090	0.099774	0.003	2.684	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	392283.783	392283.783		mg/L
Be	9	36453.923	0.083	0.102580	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	419434.488	419434.488		mg/L
Be	9	37807.950	0.090	0.099496	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	437527.261	437527.261		mg/L
Be	9	36546.328	0.088	0.097246	mg/L

: 00728

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Linear Thru Zero	0.00	0.00	0.000000
Be	9.012	Linear Thru Zero	0.91	0.00	0.999962

Method Equation

Analyte	Mass	Corrections

: 80729

Sample Information

Sample ID: 0A25056-SCV1
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 15:15:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-SCV1.008
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	409064.037	409064.037				mg/L
	Be	9	14238.973	0.035	0.038417	0.000	0.190	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	99.456
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	393608.084	393608.084		mg/L
Be	9	13725.431	0.035	0.038483	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	409654.453	409654.453		mg/L
Be	9	14284.340	0.035	0.038428	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	423978.583	423978.583		mg/L
Be	9	14727.148	0.035	0.038339	mg/L

Sample Information

Sample ID: 0A25056-CCB
Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 15:17:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CCB.009
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	399011.410	399011.410				mg/L
	Be	9	5.333	0.000	0.000003	0.000	110.003	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.012
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	382207.181	382207.181		mg/L
Be	9	5.000	0.000	0.000006	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	406548.738	406548.738		mg/L
Be	9	6.000	0.000	0.000005	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	408278.311	408278.311		mg/L
Be	9	4.000	0.000	-0.000001	mg/L

: 00731

Sample Information

Sample ID: 0A25056-CRL1
Autosampler Position: 4
Sample Date/Time: Monday, January 25, 2010 15:19:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CRL1.010
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	407593.397	407593.397				mg/L
	Be	9	382.346	0.001	0.001024	0.000	3.591	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	99.098
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	396528.738	396528.738		mg/L
Be	9	375.012	0.001	0.001032	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	413674.981	413674.981		mg/L
Be	9	400.014	0.001	0.001058	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	412578.472	412578.472		mg/L
Be	9	372.012	0.001	0.000984	mg/L

Sample Information

Sample ID: 0A25056-IFA1
Autosampler Position: 10
Sample Date/Time: Monday, January 25, 2010 15:20:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-IFA1.011
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	463648.306	463648.306				mg/L
	Be	9	7.333	0.000	0.000006	0.000	53.467	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	112.727
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	439074.556	439074.556		mg/L
Be	9	6.000	0.000	0.000003	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	475291.954	475291.954		mg/L
Be	9	9.000	0.000	0.000009	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	476578.407	476578.407		mg/L
Be	9	7.000	0.000	0.000005	mg/L

Sample Information

Sample ID: 0A25056-IFB1
Autosampler Position: 11
Sample Date/Time: Monday, January 25, 2010 15:22:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-IFB1.012
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	474742.051	474742.051				mg/L
	Be	9	7971.224	0.017	0.018544	0.001	3.495	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	115.424
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	449686.883	449668.883		mg/L
Be	9	7849.774	0.017	0.019280	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	489221.513	489221.513		mg/L
Be	9	7980.900	0.016	0.017997	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	465337.977	465337.977		mg/L
Be	9	8082.999	0.017	0.018374	mg/L

: 00734

Sample Information

Sample ID: 0A25056-CCV 2
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 15:24:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CCV.013
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	434108.493	434108.493				mg/L
	Be	9	15264.790	0.035	0.038858	0.002	3.906	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	105.545
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	408255.220	408255.220		mg/L
Be	9	15014.984	0.037	0.040589	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	445998.207	445998.207		mg/L
Be	9	15257.108	0.034	0.037753	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	448071.053	448071.053		mg/L
Be	9	15522.589	0.035	0.038232	mg/L

: 00735

Sample Information

Sample ID: 0A25056-CCB 2
Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 15:26:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CCB.014
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	415582.854	415582.854				mg/L
	Be	9	8.667	0.000	0.000011	0.000	56.436	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.041
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	402883.727	402883.727		mg/L
Be	9	10.000	0.000	0.000016	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	421038.429	421038.429		mg/L
Be	9	10.000	0.000	0.000015	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	423048.408	423048.408		mg/L
Be	9	9.000	0.000	0.000004	mg/L

Sample Information

Sample ID: 1001177-05
Autosampler Position: 26
Sample Date/Time: Monday, January 25, 2010 15:28:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001177-05.015
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	436976.260	436976.260				mg/L
	Be	9	535.356	0.001	0.001342	0.000	3.923	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	106.242
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	418568.529	418568.529		mg/L
Be	9	532.022	0.001	0.001392	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	450650.753	450650.753		mg/L
Be	9	530.022	0.001	0.001287	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	441709.498	441709.498		mg/L
Be	9	544.023	0.001	0.001348	mg/L

Sample Information

Sample ID: 1000390-MS2
Autosampler Position: 27
Sample Date/Time: Monday, January 25, 2010 15:30:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1000390-MS2.016
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
Li	6	439298.302	439298.302				mg/L
Be	9	14723.494	0.034	0.036999	0.001	1.615	mg/L

QC Calculated Values

Analyte	Mass	Int Std % Recovery
Li	6.015	106.806
Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	414058.387	414058.387		mg/L
Be	9	14078.019	0.034	0.037517	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	445802.085	445802.085		mg/L
Be	9	14682.089	0.033	0.036346	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	458033.455	458033.455		mg/L
Be	9	15412.393	0.034	0.037135	mg/L

: 00738

Sample Information

Sample ID: 1000390-MSD2
Autosampler Position: 28
Sample Date/Time: Monday, January 25, 2010 15:32:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1000390-MSD2.017
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	429372.723	429372.723				mg/L
	Be	9	14198.236	0.033	0.036501	0.001	1.428	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	104.393
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	440978.839	440978.839		mg/L
Be	9	13645.298	0.033	0.038731	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	435141.036	435141.036		mg/L
Be	9	14536.813	0.033	0.036866	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	442998.284	442998.284		mg/L
Be	9	14412.597	0.033	0.035804	mg/L

: 00739

Sample Information

Sample ID: 0A25056-SRD1
Autosampler Position: 29
Sample Date/Time: Monday, January 25, 2010 15:34:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-SRD1.018
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	420937.813	420937.813				mg/L
	Be	9	117.002	0.000	0.000295	0.000	1.972	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.342
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	405081.681	405081.681		mg/L
Be	9	115.002	0.000	0.000302	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	433882.903	433882.903		mg/L
Be	9	120.002	0.000	0.000294	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	423868.658	423868.658		mg/L
Be	9	118.002	0.000	0.000290	mg/L

Sample Information

Sample ID: 1000390-PS3
Autosampler Position: 30
Sample Date/Time: Monday, January 25, 2010 15:36:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1000390-PS3.019
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	429085.610	429085.610				mg/L
	Be	9	7798.393	0.018	0.020053	0.000	0.425	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	104.323
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	416379.648	416379.648		mg/L
Be	9	7600.540	0.018	0.020139	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	435237.905	435237.905		mg/L
Be	9	7909.831	0.018	0.020051	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	435639.077	435639.077		mg/L
Be	9	7884.807	0.018	0.019959	mg/L

00741

Sample Information

Sample ID: 1001177-12
Autosampler Position: 31
Sample Date/Time: Monday, January 25, 2010 15:38:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001177-12.020
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	468448.282	468448.282				mg/L
	Be	9	627.363	0.001	0.001471	0.000	8.202	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	113.894
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	442798.113	442798.113		mg/L
Be	9	649.032	0.001	0.001606	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	476381.618	476381.618		mg/L
Be	9	622.029	0.001	0.001430	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	466164.114	466164.114		mg/L
Be	9	611.029	0.001	0.001376	mg/L

Sample Information

Sample ID: 1001177-13
Autosampler Position: 32
Sample Date/Time: Monday, January 25, 2010 15:40:15
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001177-13.021
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
Li	6	437634.904	437634.904				mg/L
Be	9	1194.431	0.003	0.003002	0.000	3.465	mg/L

QC Calculated Values

Analyte	Mass	Int Std % Recovery
Li	6.015	106.402
Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	416926.178	416926.178		mg/L
Be	9	1165.093	0.003	0.003073	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	453908.656	453908.656		mg/L
Be	9	1259.108	0.003	0.003051	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	442069.879	442069.879		mg/L
Be	9	1158.082	0.003	0.002883	mg/L

00743

Sample Information

Sample ID: 1001177-14
Autosampler Position: 33
Sample Date/Time: Monday, January 25, 2010 15:42:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001177-14.022
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	411751.285	411751.285				mg/L
	Be	9	116.002	0.000	0.000299	0.000	16.642	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.109
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	389280.647	389280.647		mg/L
Be	9	107.002	0.000	0.000292	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	421507.285	421507.285		mg/L
Be	9	139.003	0.000	0.000353	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	424465.941	424465.941		mg/L
Be	9	102.002	0.000	0.000254	mg/L

: 007414

Sample Information

Sample ID: 1001177-15
Autosampler Position: 34
Sample Date/Time: Monday, January 25, 2010 15:44:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001177-15.023
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	391157.491	391157.491				mg/L
	Be	9	150.003	0.000	0.000412	0.000	6.597	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.102
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	371590.731	371590.731		mg/L
Be	9	145.003	0.000	0.000419	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	398549.830	398549.830		mg/L
Be	9	142.003	0.000	0.000382	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	403331.911	403331.911		mg/L
Be	9	163.003	0.000	0.000435	mg/L

Sample Information

Sample ID: 1000579-BLK2
Autosampler Position: 35
Sample Date/Time: Monday, January 25, 2010 15:46:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1000579-BLK2.024
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	395077.732	395077.732				mg/L
	Be	9	6.000	0.000	0.000005	0.000	152.579	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.055
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	379493.248	379493.248		mg/L
Be	9	9.000	0.000	0.000015	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	401367.368	401367.368		mg/L
Be	9	5.000	0.000	0.000002	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	404372.579	404372.579		mg/L
Be	9	4.000	0.000	0.000001	mg/L

00746

Sample Information

Sample ID: 0A25056-CCV 3
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 15:48:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CCV.025
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	382858.497	382858.497				mg/L
	Be	9	13563.505	0.035	0.039118	0.001	2.048	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.084
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	382902.035	382902.035		mg/L
Be	9	11038.418	0.036	0.039636	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	195391.560	195391.560		mg/L
Be	9	13705.398	0.035	0.038254	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	390281.898	390281.898		mg/L
Be	9	13565.696	0.036	0.038785	mg/L

Sample Information

Sample ID: 0A25056-CCB
Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 15:50:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CCB.026
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	380157.159	380157.159				mg/L
	Be	9	7.667	0.000	0.000011	0.000	78.237	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	92.427
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	381674.769	381674.769		mg/L
Be	9	7.000	0.000	0.000010	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	384283.484	384283.484		mg/L
Be	9	5.000	0.000	0.000003	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	394313.218	394313.218		mg/L
Be	9	11.000	0.000	0.000019	mg/L

Sample Information

Sample ID: 1000579-BS2
Autosampler Position: 36
Sample Date/Time: Monday, January 25, 2010 15:52:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1000579-BS2.027
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	398850.128	398850.128				mg/L
	Be	9	13370.524	0.034	0.037005	0.000	1.158	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.972
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	381689.081	381689.081		mg/L
Be	9	12917.132	0.034	0.037328	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	411722.757	411722.757		mg/L
Be	9	13824.284	0.033	0.036519	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	402938.547	402938.547		mg/L
Be	9	13570.178	0.034	0.037187	mg/L

Sample Information

Sample ID: 1001254-03
Autosampler Position: 37
Sample Date/Time: Monday, January 25, 2010 15:54:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001254-03.028
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	407960.837	407960.837				mg/L
	Be	9	236.672	0.001	0.000630	0.000	9.183	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	99.187
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	387752.818	387752.818		mg/L
Be	9	249.008	0.001	0.000697	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	419692.727	419692.727		mg/L
Be	9	231.008	0.001	0.000586	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	416238.968	416238.968		mg/L
Be	9	230.005	0.001	0.000598	mg/L

: 00750

Sample Information

Sample ID: 1001254-04
Autosampler Position: 38
Sample Date/Time: Monday, January 25, 2010 15:56:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001254-04.029
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	403137.720	403137.720				mg/L
	Be	9	668.700	0.002	0.001821	0.000	4.308	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.015
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	383268.298	383268.298		mg/L
Be	9	664.033	0.002	0.001901	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	407439.718	407439.718		mg/L
Be	9	648.032	0.002	0.001744	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	418705.143	418705.143		mg/L
Be	9	694.038	0.002	0.001618	mg/L

Sample Information

Sample ID: 1001254-05
Autosampler Position: 39
Sample Date/Time: Monday, January 25, 2010 15:58:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001254-05.030
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	414097.844	414097.844				mg/L
	Be	9	254.340	0.001	0.000667	0.000	6.011	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.679
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	397940.728	397940.728		mg/L
Be	9	261.007	0.001	0.000712	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	417932.778	417932.778		mg/L
Be	9	252.008	0.001	0.000654	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	426420.028	426420.028		mg/L
Be	9	250.008	0.001	0.000638	mg/L

:00752

Sample Information

Sample ID: 1001254-06
Autosampler Position: 40
Sample Date/Time: Monday, January 25, 2010 16:00:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001254-06.031
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	414451.907	414451.907				mg/L
	Be	9	149.670	0.000	0.000387	0.000	9.095	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.766
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	397584.383	397584.383		mg/L
Be	9	153.003	0.000	0.000413	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	421348.428	421348.428		mg/L
Be	9	137.002	0.000	0.000347	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	424444.909	424444.909		mg/L
Be	9	158.003	0.000	0.000402	mg/L

Sample Information

Sample ID: 1001254-07
Autosampler Position: 41
Sample Date/Time: Monday, January 25, 2010 16:01:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001254-07.032
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
Li	6	457730.493	457730.493				mg/L
Be	9	349.678	0.001	0.000833	0.000	8.070	mg/L

QC Calculated Values

Analyte	Mass	Int Std % Recovery
Li	6.015	111.288
Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	438098.118	438098.118		mg/L
Be	9	363.012	0.001	0.000903	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	466694.818	466694.818		mg/L
Be	9	330.010	0.001	0.000769	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	468398.548	468398.548		mg/L
Be	9	356.011	0.001	0.000827	mg/L

Sample Information

Sample ID: 1001254-08
Autosampler Position: 42
Sample Date/Time: Monday, January 25, 2010 16:03:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001254-08.033
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
Li	6	460743.177	460743.177				mg/L
Be	9	286.008	0.001	0.000674	0.000	7.240	mg/L

QC Calculated Values

Analyte	Mass	Int Std % Recovery
Li	6.015	112.020
Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	436483.079	436493.079		mg/L
Be	9	283.008	0.001	0.000704	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	472401.314	472401.314		mg/L
Be	9	305.008	0.001	0.000701	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	473335.139	473335.139		mg/L
Be	9	270.007	0.001	0.000618	mg/L

Sample Information

Sample ID: 1001254-09
Autosampler Position: 43
Sample Date/Time: Monday, January 25, 2010 16:05:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001254-09.034
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	448297.024	448297.024				mg/L
	Be	9	112.002	0.000	0.000264	0.000	3.337	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	108.994
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	424351.318	424351.318		mg/L
Be	9	106.002	0.000	0.000269	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	457004.180	457004.180		mg/L
Be	9	110.002	0.000	0.000254	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	483535.574	483535.574		mg/L
Be	9	118.003	0.000	0.000269	mg/L

00756

Sample Information

Sample ID: 1000579-MS2
Autosampler Position: 44
Sample Date/Time: Monday, January 25, 2010 16:07:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1000579-MS2.035
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	452787.571	452787.571				mg/L
	Be	9	14917.493	0.033	0.036368	0.001	1.516	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	110.086
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	436027.832	436027.832		mg/L
Be	9	14585.889	0.033	0.036917	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	459820.992	459820.992		mg/L
Be	9	14972.496	0.032	0.035814	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	462514.086	462514.086		mg/L
Be	9	15244.082	0.033	0.036373	mg/L

: 00757

Sample Information

Sample ID: 1000579-MSD2
Autosampler Position: 45
Sample Date/Time: Monday, January 25, 2010 16:09:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1000579-MSD2.036
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	446148.244	446148.244				mg/L
	Be	9	14765.226	0.033	0.036524	0.000	0.369	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	108.472
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	429124.725	429124.725		mg/L
Be	9	14210.248	0.033	0.036545	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	457655.512	457655.512		mg/L
Be	9	15068.795	0.033	0.036380	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	451664.496	451664.496		mg/L
Be	9	14998.835	0.033	0.036847	mg/L

00758

Sample Information

Sample ID: 0A25056-CCV
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 16:11:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CCV.037
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	422151.256	422151.256				mg/L
	Be	9	14479.059	0.034	0.037865	0.001	1.920	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.637
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	399456.703	399455.703		mg/L
Be	9	13833.611	0.035	0.038219	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	437428.261	437428.261		mg/L
Be	9	14677.080	0.034	0.037029	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	429569.804	429569.804		mg/L
Be	9	14926.505	0.035	0.038346	mg/L

00759

Sample Information

Sample ID: 0A25056-CCB
Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 16:13:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CCB.038
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	413566.068	413566.068				mg/L
	Be	9	4.000	-0.000	-0.000001	0.000	532.075	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.550
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	397411.334	397411.334		mg/L
Be	9	5.000	0.000	0.000002	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	420878.652	420878.652		mg/L
Be	9	2.000	-0.000	0.000006	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	422408.217	422408.217		mg/L
Be	9	5.000	0.000	0.000001	mg/L

cont 5x 1/26

due 1/20

TriMatrix Laboratories, Inc.

cal ID: OA2C004

Metals Laboratory Instrument Run Sequence

Instrument #: 801

Data File: OA2C011

Date: 1/22/10

Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060

Analyst: [illegible]

Internal Standard #: 9110476

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

Autosampler Position:

BE

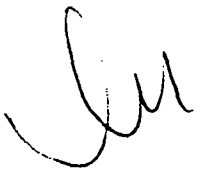
1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 9110400
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 9110402
11. IFB1 9110403

Analysis # / Position #	ID	Dilution			Analysis # / Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
1/17	100254-09				35/51				
2/18	-MS2				36/52				
3/19	-MSD2				37/53				
4/20	-SRD1				38/54				
5/21	-PS2				39/55				
6/22	-10				40/56				
7/23					41/57				
8/24					42/58				
9/25					43/59				
10/26					44/60				
11/27					45/61				
12/28					46/62				
13/29					47/63				
14/30					48/64				
15/31					49/65				
16/32					50/66				
17/33					51/67				
18/34					52/68				
19/35					53/69				
20/36					54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 26JAN2010_6020A_A.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	6.976	1540	2020	0.877	
Co	58.933	58.929	14197	2050	0.849	
In	114.904	114.879	27799	2095	0.843	
Ba	137.905	137.979	33414	2110	0.856	
Ce	139.905	139.929	33889	2115	0.855	
Tl	204.975	205.027	49721	2180	0.823	



: 00762

Daily Performance Report

Sample ID: 9101006
Sample Date/Time: Tuesday, January 26, 2010 10:10:58
Sample Description:
Method File: c:\elandata\Method\6020A_Daily.mth
Dataset File: c:\elandata\Dataset\default\9101006.4249
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_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	9069.1	9069.100	127.460	1.4
	Co	58.9	146547.7	146547.703	1993.934	1.4
	In	114.9	340930.0	340929.959	2440.849	0.7
	Tl	205.0	233282.7	233282.693	1955.858	0.8
⌈>	Ba	137.9	271464.0	271464.024	3697.854	1.4
⌊	Ba++	69.0	4903.3	0.018	0.001	2.9
⌈>	Ce	139.9	338706.9	338706.879	3163.347	0.9
⌊	CeO	155.9	8904.3	0.026	0.000	1.3
	Bkgd	220.0	8.3	8.333	1.366	16.4

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9292.178	9292.178
Co	59	145103.396	145103.396
In	115	339999.988	339999.988
Tl	205	230589.762	230589.762
Ba	138	266360.303	266360.303
Ba++	69	4875.426	0.018
Ce	140	338119.079	338119.079
CeO	156	8876.725	0.026
Bkgd	220	10.000	10.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9123.992	9123.992
Co	59	147996.613	147996.613
In	115	337720.846	337720.846
Tl	205	233621.471	233621.471
Ba	138	268849.192	268849.192
Ba++	69	4711.331	0.018
Ce	140	333542.055	333542.055
CeO	156	8623.460	0.026
Bkgd	220	10.000	10.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9061.924	9061.924
Co	59	146014.097	146014.097
In	115	344044.978	344044.978
Tl	205	234501.683	234501.683
Ba	138	271839.984	271839.984
Ba++	69	4758.358	0.018
Ce	140	339818.137	339818.137
CeO	156	9071.935	0.027
Bkgd	220	7.000	7.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9028.889	9028.889
Co	59	143754.315	143754.315
In	115	339871.961	339871.961

Tl	205	236083.415	236083.415
Ba	138	270906.984	270906.984
Ba++	69	5107.565	0.019
Ce	140	338086.808	338086.808
CeO	156	8778.621	0.026
Bkgd	220	7.000	7.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	8963.818	8963.818
Co	59	149230.324	149230.324
In	115	343649.572	343649.572
Tl	205	231727.682	231727.682
Ba	138	276797.958	276797.958
Ba++	69	5054.532	0.018
Ce	140	339394.382	339394.382
CeO	156	9024.884	0.027
Bkgd	220	8.000	8.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	8943.797	8943.797
Co	59	147187.470	147187.470
In	115	340292.406	340292.406
Tl	205	233172.146	233172.146
Ba	138	274029.720	274029.720
Ba++	69	4912.448	0.018
Ce	140	343280.812	343280.812
CeO	156	9049.911	0.026
Bkgd	220	8.000	8.000

Sample/Batch Report

User Name: analystME
Computer Name: ELAN6100_08
Sample File: C:\Elandata\Sample\0A26011.sam
Report Date/Time: Tuesday, January 26, 2010 10:14:08

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1001254-09		Sample					
18		1000579-MS2		Sample					
19		1000579-MSD2		Sample					
20		0A26011-SRD1		Sample					
21		1000579-PS2		Sample					
22		1001254-10		Sample					

Sample Information

Sample ID: 0A26011-CAL1
Autosampler Position: 1
Sample Date/Time: Tuesday, January 26, 2010 10:15:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-CAL1.001
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	506742.658					mg/L
	Be	9	3.333					mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	506483.508			mg/L
Be	9	1.000			mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	510234.298			mg/L
Be	9	7.000			mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	503510.168			mg/L
Be	9	2.000			mg/L

: 00766

Sample Information

Sample ID: 0A26011-CAL2
Autosampler Position: 3
Sample Date/Time: Tuesday, January 26, 2010 10:17:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-CAL2.002
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	512481.243	512481.243				mg/L
	Be	9	90.001	0.000	0.000200	0.000	10.266	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	518820.958	518870.958		mg/L
Be	9	100.002	0.000	0.000220	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	512515.080	512515.080		mg/L
Be	9	90.001	0.000	0.000200	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	506107.872	506107.872		mg/L
Be	9	80.001	0.000	0.000179	mg/L

: 00767

Sample Information

Sample ID: 0A26011-CAL3
Autosampler Position: 4
Sample Date/Time: Tuesday, January 26, 2010 10:19:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-CAL3.003
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	524681.401	524681.401				mg/L
	Be	9	391.680	0.001	0.000995	0.000	4.549	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	524600.547	524600.547		mg/L
Be	9	372.012	0.001	0.000944	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	527718.387	527718.387		mg/L
Be	9	399.014	0.001	0.001007	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	521727.289	521727.289		mg/L
Be	9	404.014	0.001	0.001032	mg/L

: 00768

Sample Information

Sample ID: 0A26011-CAL4
Autosampler Position: 5
Sample Date/Time: Tuesday, January 26, 2010 10:21:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-CAL4.004
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	509577.344	509577.344				mg/L
	Be	9	3892.281	0.008	0.010003	0.000	1.426	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	511207.304	511207.304		mg/L
Be	9	3844.825	0.008	0.009849	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	510186.498	510186.498		mg/L
Be	9	3946.974	0.008	0.010131	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	507338.230	507338.230		mg/L
Be	9	3884.944	0.008	0.010028	mg/L

Sample Information

Sample ID: 0A26011-CAL5
Autosampler Position: 6
Sample Date/Time: Tuesday, January 26, 2010 10:23:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-CAL5.005
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	525662.234	525662.234				mg/L
	Be	9	8127.042	0.015	0.020051	0.000	0.666	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	521938.820	521938.820		mg/L
Be	9	8131.048	0.016	0.020703	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	522041.058	522041.058		mg/L
Be	9	8048.968	0.015	0.019995	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	533008.826	533008.826		mg/L
Be	9	8201.115	0.015	0.019954	mg/L

: 00770

Sample Information

Sample ID: 0A26011-CAL6
Autosampler Position: 7
Sample Date/Time: Tuesday, January 26, 2010 10:25:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-CAL6.006
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	523299.693	523299.693				mg/L
	Be	9	19847.138	0.038	0.049865	0.001	1.137	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

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

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	520078.871	520078.871		mg/L
Be	9	19873.869	0.038	0.050238	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	529067.120	529067.120		mg/L
Be	9	19804.703	0.037	0.049212	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	520753.088	520753.088		mg/L
Be	9	19867.842	0.038	0.050145	mg/L

: 00771

Sample Information

Sample ID: 0A26011-CAL7
Autosampler Position: 8
Sample Date/Time: Tuesday, January 26, 2010 10:27:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-CAL7.007
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	531016.486	531016.486				mg/L
	Be	9	39587.207	0.075	0.099543	0.003	2.770	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	538491.034	538491.034		mg/L
Be	9	39243.578	0.073	0.097276	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	534385.974	534385.974		mg/L
Be	9	39529.929	0.074	0.098739	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	520172.450	520172.450		mg/L
Be	9	39968.112	0.077	0.102613	mg/L

: 00772

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	0.75	0.00	0.999960

Method Equation

Analyte	Mass	Corrections

: 00773

Sample Information

Sample ID: 0A26011-SCV1
Autosampler Position: 2
Sample Date/Time: Tuesday, January 26, 2010 10:29:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-SCV1.008
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	509480.117	509480.117				mg/L
	Be	9	15276.476	0.030	0.040023	0.000	1.026	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.540
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

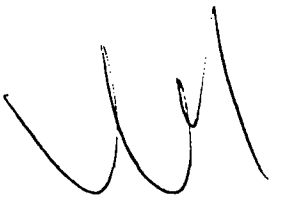
Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	507103.572	507103.572		mg/L
Be	9	15192.988	0.030	0.039986	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	501941.845	501941.845		mg/L
Be	9	15213.025	0.030	0.040451	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	519395.136	519395.136		mg/L
Be	9	15423.414	0.030	0.039832	mg/L



: 00774

Sample Information

Sample ID: 0A26011-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, January 26, 2010 10:31:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-CCB.009
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	509549.267	509549.267				mg/L
	Be	9	6.333	0.000	0.000008	0.000	52.841	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.554
	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	504692.588	504692.588		mg/L
Be	9	6.000	0.000	0.000012	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	513307.721	513307.721		mg/L
Be	9	6.000	0.000	0.000007	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	510647.492	510647.492		mg/L
Be	9	5.000	0.000	0.000004	mg/L

: 00775

Sample Information

Sample ID: 0A26011-CRL1
Autosampler Position: 4
Sample Date/Time: Tuesday, January 26, 2010 10:33:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-CRL1.010
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	512414.698	512414.698				mg/L
	Be	9	391.680	0.001	0.001012	0.000	3.979	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.119
	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	512608.587	512608.587		mg/L
Be	9	381.013	0.001	0.000983	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	514503.178	514503.178		mg/L
Be	9	411.014	0.001	0.001058	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	510132.327	510132.327		mg/L
Be	9	383.013	0.001	0.000993	mg/L

: 00776

Sample Information

Sample ID: 0A26011-~~IEA1~~ IFB1
Autosampler Position: 10
Sample Date/Time: Tuesday, January 26, 2010 10:34:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-IFA1.011
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	515789.857	515789.857				mg/L
	Be	9	7667.937	0.015	0.019838	0.000	1.695	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.785
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A26011-IFA1	Be	9	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	519284.350	519284.350		mg/L
Be	9	7795.723	0.015	0.020032	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	519298.248	519298.248		mg/L
Be	9	7568.512	0.015	0.019450	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	508808.974	508808.974		mg/L
Be	9	7638.578	0.015	0.020032	mg/L

: 00777

Sample Information

Sample ID: 0A26011-~~IFB1~~ IFA
Autosampler Position: 11
Sample Date/Time: Tuesday, January 26, 2010 10:36:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-IFB1.012
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	539391.557	539391.557				mg/L
	Be	9	6.333	0.000	0.000007	0.000	53.695	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	106.443
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A26011-IFB1	Be	9	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	534513.795	534513.795		mg/L
Be	9	5.000	0.000	0.000004	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	541977.559	541977.559		mg/L
Be	9	8.000	0.000	0.000008	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	541683.318	541683.318		mg/L
Be	9	8.000	0.000	0.000011	mg/L

: 00778

Sample Information

Sample ID: 0A26011-CCV 2
Autosampler Position: 2
Sample Date/Time: Tuesday, January 26, 2010 10:38:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-CCV.013
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	512470.325	512470.325				mg/L
	Be	9	15217.368	0.030	0.039635	0.001	1.881	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.130
	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	512304.728	512304.728		mg/L
Be	9	15136.880	0.030	0.039438	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	507684.380	507684.380		mg/L
Be	9	15390.352	0.030	0.040459	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	517421.860	517421.860		mg/L
Be	9	15122.861	0.029	0.038006	mg/L

Sample Information

Sample ID: 0A26011-CCB 2
Autosampler Position: 1
Sample Date/Time: Tuesday, January 26, 2010 10:40:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-CCB.014
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	503620.964	503620.964				mg/L
	Be	9	5.667	0.000	0.000006	0.000	106.551	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	99.384
	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	500165.462	500165.462		mg/L
Be	9	3.000	-0.000	-0.000001	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	506884.002	506884.002		mg/L
Be	9	6.000	0.000	0.000007	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	504033.427	504033.427		mg/L
Be	9	8.000	0.000	0.000012	mg/L

Sample Information

Sample ID: 1001254-09
Autosampler Position: 17
Sample Date/Time: Tuesday, January 26, 2010 10:42:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\1001254-09.015
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	526069.003	526069.003				mg/L
	Be	9	97.668	0.000	0.000239	0.000	11.657	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	103.814
	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	533547.730	533547.730		mg/L
Be	9	98.002	0.000	0.000239	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	517430.365	517430.365		mg/L
Be	9	107.002	0.000	0.000287	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	527228.914	527228.914		mg/L
Be	9	87.001	0.000	0.000212	mg/L

00781

Sample Information

Sample ID: 1000579-MS2
Autosampler Position: 18
Sample Date/Time: Tuesday, January 26, 2010 10:44:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\1000579-MS2.016
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	522470.245	522470.245				mg/L
	Be	9	14730.154	0.028	0.037628	0.000	0.514	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	103.104
	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	523344.110	523344.110		mg/L
Be	9	14769.224	0.028	0.037664	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	518408.315	518408.315		mg/L
Be	9	14683.071	0.028	0.037601	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	525680.310	525680.310		mg/L
Be	9	14738.169	0.028	0.037419	mg/L

: 20782

Sample Information

Sample ID: 1000579-MSD2
Autosampler Position: 19
Sample Date/Time: Tuesday, January 26, 2010 10:46:39
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\1000579-MSD2.017
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	524385.487	524385.487				mg/L
	Be	9	14926.506	0.028	0.037991	0.000	1.041	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	103.482
	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	524044.117	524044.117		mg/L
Be	9	14886.438	0.028	0.037920	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	522246.341	522246.341		mg/L
Be	9	15032.697	0.029	0.038417	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	526866.002	526866.002		mg/L
Be	9	14857.361	0.028	0.037835	mg/L

: 00783

Sample Information

Sample ID: 0A26011-SRD1
Autosampler Position: 20
Sample Date/Time: Tuesday, January 26, 2010 10:48:39
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-SRD1.018
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	516824.593	516824.593				mg/L
	Be	9	24.000	0.000	0.000053	0.000	5.656	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.990
	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	513582.937	513582.937		mg/L
Be	9	25.000	0.000	0.000058	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	520733.948	520733.948		mg/L
Be	9	23.000	0.000	0.000050	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	516156.906	516156.906		mg/L
Be	9	24.000	0.000	0.000053	mg/L

: 00784

Sample Information

Sample ID: 1000579-PS2
Autosampler Position: 21
Sample Date/Time: Tuesday, January 26, 2010 10:50:39
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\1000579-PS2.019
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	514670.261	514670.261				mg/L
	Be	9	7259.901	0.014	0.018821	0.000	1.205	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.564
	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	515503.243	515503.243		mg/L
Be	9	7218.197	0.014	0.018683	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	511887.824	511887.824		mg/L
Be	9	7173.158	0.014	0.018687	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	516608.717	516609.717		mg/L
Be	9	7388.348	0.014	0.019083	mg/L

: 00785

Sample Information

Sample ID: 1001254-10
Autosampler Position: 22
Sample Date/Time: Tuesday, January 26, 2010 10:52:39
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\1001254-10.020
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	506769.315	506769.315				mg/L
	Be	9	459.351	0.001	0.001202	0.000	3.160	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.005
	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	514814.557	514814.557		mg/L
Be	9	450.017	0.001	0.001158	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	508181.355	508181.355		mg/L
Be	9	471.018	0.001	0.001229	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	497312.032	497312.032		mg/L
Be	9	457.017	0.001	0.001216	mg/L

: 00786

Sample Information

Sample ID: 0A26011-CCV 8
Autosampler Position: 2
Sample Date/Time: Tuesday, January 26, 2010 10:54:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-CCV.021
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	482331.739	482331.739				mg/L
	Be	9	14537.482	0.030	0.040233	0.001	1.975	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.183
	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	489541.117	489541.117		mg/L
Be	9	14484.722	0.030	0.039481	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	481080.398	481080.398		mg/L
Be	9	14473.703	0.030	0.040154	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	476273.704	476273.704		mg/L
Be	9	14654.020	0.031	0.041084	mg/L

: 90787

Sample Information

Sample ID: 0A26011-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, January 26, 2010 10:56:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A26011.sam
Method*File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A26011\0A26011-CCB.022
Tuning File: C:\Elandata\Tuning\26JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\26JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	482780.683	482780.683				mg/L
[_	Be	9	5.667	0.000	0.000007	0.000	59.342	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	95.271
[_	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

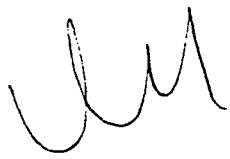
Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	481923.082	481923.082		mg/L
Be	9	7.000	0.000	0.000011	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	471903.245	471903.245		mg/L
Be	9	4.000	0.000	0.000003	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	494515.743	494515.743		mg/L
Be	9	8.000	0.000	0.000007	mg/L



due 2-02
Cal ID. OA27009

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 114
Date: 1-27-10
Analyst: DSL

Data File: OA27021
Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060
Internal Standard #: 9110477

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

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 9110400
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 9110402
11. IFB1 9110403

Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
1/17	1000574-blk1				35/51				
2/18	SS1	Zn↑			36/52				
3/19	1001254-02				37/53				
4/20	1000571-blk1				38/54				
5/21	SS1	Zn↑			39/55				
6/22	10001254-01				40/56				
7/23					41/57				
8/24					42/58				
9/25					43/59				
10/26					44/60				
11/27					45/61				
12/28					46/62				
13/29					47/63				
14/30					48/64				
15/31					49/65				
16/32					50/66				
17/33					51/67				
18/34					52/68				
19/35					53/69				
20/36					54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 27JAN2010_6020A_B.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	7.077	1539	2025	0.841	
Co	58.933	58.978	14204	2005	0.855	
In	114.904	114.977	27857	2000	0.846	
Ba	137.905	137.929	33456	1990	0.860	
Ce	139.905	139.929	33946	1985	0.875	
Tl	204.975	204.977	49828	1980	0.853	

: 00790

Daily Performance Report

Sample ID: 9101006
Sample Date/Time: Wednesday, January 27, 2010 09:40:23
Sample Description:
Method File: C:\elandata\Method\6020A_Daily.mth
Dataset File: C:\elandata\Dataset\daily performance\9101006.2515
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_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	10614.9	10614.887	307.972	2.9
	Co	58.9	118228.6	118228.571	1582.659	1.3
	In	114.9	322367.2	322367.224	3423.360	1.1
	Tl	205.0	220423.1	220423.113	2108.559	1.0
⌈>	Ba	137.9	258827.1	258827.139	4552.276	1.8
⌊	Ba++	69.0	3925.6	0.015	0.000	3.0
⌈>	Ce	139.9	330484.5	330484.472	3772.106	1.1
⌊	CeO	155.9	8852.0	0.027	0.001	5.0
	Bkgd	220.0	6.2	6.167	3.869	62.7

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10987.444	10987.444
Co	59	119749.451	119749.451
In	115	320607.921	320607.921
Tl	205	221602.013	221602.013
Ba	138	261627.026	261627.026
Ba++	69	3954.094	0.015
Ce	140	327842.880	327842.880
CeO	156	9188.907	0.028
Bkgd	220	7.000	7.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10163.225	10163.225
Co	59	116051.154	116051.154
In	115	327539.172	327539.172
Tl	205	219039.772	219039.772
Ba	138	257465.785	257465.785
Ba++	69	3993.116	0.016
Ce	140	335344.361	335344.361
CeO	156	9036.713	0.027
Bkgd	220	3.000	3.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10789.142	10789.142
Co	59	119283.755	119283.755
In	115	325844.090	325844.090
Tl	205	217863.610	217863.610
Ba	138	251120.138	251120.138
Ba++	69	3975.106	0.016
Ce	140	332361.692	332361.692
CeO	156	8522.081	0.026
Bkgd	220	12.000	12.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10575.824	10575.824
Co	59	119248.169	119248.169
In	115	320729.734	320729.734

Tl	205	222134.165	222134.165
Ba	138	263989.589	263989.589
Ba++	69	3836.030	0.015
Ce	140	326859.307	326859.307
CeO	156	8406.944	0.026
Bkgd	220	4.000	4.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10365.516	10365.516
Co	59	116444.478	116444.478
In	115	319432.233	319432.233
Tl	205	223058.305	223058.305
Ba	138	257474.491	257474.491
Ba++	69	3895.062	0.015
Ce	140	326801.761	326801.761
CeO	156	9378.152	0.029
Bkgd	220	2.000	2.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10808.171	10808.171
Co	59	118594.419	118594.419
In	115	320050.195	320050.195
Tl	205	218840.811	218840.811
Ba	138	261285.804	261285.804
Ba++	69	3900.064	0.015
Ce	140	333696.830	333696.830
CeO	156	8579.149	0.026
Bkgd	220	9.000	9.000

Sample/Batch Report

User Name: Administrator
Computer Name: ELAN6000_22
Sample File: C:\Elandata\Sample\0A27021.sam
Report Date/Time: Wednesday, January 27, 2010 09:44:28

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000574-BLK1		Sample					
18		1000574-BS1		Sample					
19		1001254-02		Sample					
20		1000571-BLK1		Sample					
21		1000571-BS1		Sample					
22		1001254-01		Sample					

Sample Information

Sample ID: 0A27021-CAL1
Autosampler Position: 1
Sample Date/Time: Wednesday, January 27, 2010 09:45:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-CAL1.001
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	509191.850					ug/L
	Be	9	3.667					ug/L
	V	51	3974.220					ug/L
	Cr	52	12012.546					ug/L
	Cr	53	716.376					ug/L
	Co	59	93.002					ug/L
	Cu	63	209.338					ug/L
	Cu	65	103.002					ug/L
	Zn	66	316.344					ug/L
	Zn	68	435.018					ug/L
>	Ge	72	334736.463					ug/L
	As	75	453.233					ug/L
	Se	77	144.336					ug/L
	Se	82	-12.678					ug/L
>	Rh	103	422645.864					ug/L
	Ag	107	60.001					ug/L
	Cd	111	3.455					ug/L
	Cd	114	14.451					ug/L
>	In	115	323107.792					ug/L
	Sb	121	404.349					ug/L
	Sb	123	294.254					ug/L
	Tl	203	58.667					ug/L
	Tl	205	142.003					ug/L
	Pb	208	618.350					ug/L
>	Bi	209	383433.110					ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	

: 00794

	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	504868.178		-	ug/L
Be	9	3.000			ug/L
V	51	3918.906			ug/L
Cr	52	11893.012			ug/L
Cr	53	713.043			ug/L
Co	59	98.002			ug/L
Cu	63	217.005			ug/L
Cu	65	109.002			ug/L
Zn	66	321.010			ug/L
Zn	68	424.017			ug/L
Ge	72	342822.179			ug/L
As	75	381.678			ug/L
Se	77	145.003			ug/L
Se	82	1.243			ug/L
Rh	103	414755.862			ug/L
Ag	107	51.001			ug/L
Cd	111	3.904			ug/L
Cd	114	13.190			ug/L
In	115	328742.218			ug/L
Sb	121	432.017			ug/L
Sb	123	288.631			ug/L
Tl	203	54.001			ug/L
Tl	205	151.003			ug/L
Pb	208	599.016			ug/L
Bi	209	391378.274			ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	507738.272			ug/L
Be	9	4.000			ug/L
V	51	3938.983			ug/L
Cr	52	12073.316			ug/L
Cr	53	727.044			ug/L
Co	59	89.001			ug/L
Cu	63	201.006			ug/L
Cu	65	87.001			ug/L
Zn	66	314.010			ug/L
Zn	68	440.018			ug/L
Ge	72	331251.081			ug/L
As	75	404.680			ug/L
Se	77	158.003			ug/L
Se	82	-35.158			ug/L
Rh	103	426520.333			ug/L
Ag	107	64.001			ug/L
Cd	111	0.641			ug/L
Cd	114	14.364			ug/L
In	115	320850.296			ug/L
Sb	121	409.016			ug/L
Sb	123	321.003			ug/L
Tl	203	56.001			ug/L
Tl	205	137.003			ug/L
Pb	208	520.017			ug/L
Bi	209	377263.270			ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	515181.102			ug/L
Be	9	4.000			ug/L
V	51	4063.771			ug/L
Cr	52	12071.312			ug/L
Cr	53	709.042			ug/L
Co	59	94.002			ug/L
Cu	63	210.005			ug/L
Cu	65	113.002			ug/L
Zn	66	314.010			ug/L
Zn	68	441.018			ug/L
Ge	72	330338.128			ug/L
As	75	573.342			ug/L
Se	77	130.002			ug/L
Se	82	4.118			ug/L
Rh	103	426681.398			ug/L
Ag	107	55.001			ug/L
Cd	111	7.103			ug/L
Cd	114	15.800			ug/L

Sample ID: 0A27021-CAL1
Report Date/Time: Wednesday, January 27, 2010 09:47:18

I >	In	115	318730.906	ug/L
I	Sb	121	272.013	ug/L
I	Sb	123	275.127	ug/L
I	Tl	203	84.001	ug/L
I	Tl	205	138.002	ug/L
I	Pb	208	438.018	ug/L
I >	Bi	209	161657.766	ug/L

Sample ID: 0A27021-CAL1
Report Date/Time: Wednesday, January 27, 2010 09:47:18

Sample Information

Sample ID: 0A27021-CAL2
Autosampler Position: 9
Sample Date/Time: Wednesday, January 27, 2010 09:49:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-CAL2.002
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	510933.883	510933.883				ug/L
	Be	9	13.667	0.000				ug/L
	V	51	4493.807	0.002				ug/L
	Cr	52	12388.858	0.002				ug/L
	Cr	53	761.048	0.000				ug/L
	Co	59	606.365	0.002				ug/L
	Cu	63	914.068	0.002				ug/L
	Cu	65	448.685	0.001				ug/L
	Zn	66	1863.262	0.005				ug/L
	Zn	68	1565.521	0.003				ug/L
>	Ge	72	330736.589	330736.589				ug/L
	As	75	567.641	0.000				ug/L
	Se	77	149.670	0.000				ug/L
	Se	*82*	*8.381*	*0.000*				ug/L
>	Rh	103	422219.045	422219.045				ug/L
	Ag	107	501.356	0.001	0.040000	0.002	5.241	ug/L
	Cd	111	120.094	0.000	0.040000	0.002	5.909	ug/L
	Cd	114	278.023	0.001	0.040000	0.003	7.362	ug/L
>	In	115	324231.507	324231.507				ug/L
	Sb	121	661.371	0.001				ug/L
	Sb	123	491.560	0.001				ug/L
	Tl	203	450.019	0.001	0.040000	0.002	4.671	ug/L
	Tl	205	1104.763	0.003	0.040000	0.001	2.861	ug/L
	Pb	208	2149.480	0.004				ug/L
>	Bi	209	384762.458	384762.458				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	

: 00797

	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	511280.188	511280.188		ug/L
Be	9	16.000	0.000		ug/L
V	51	4416.290	0.002		ug/L
Cr	52	12397.874	0.002		ug/L
Cr	53	795.052	0.000		ug/L
Co	59	821.033	0.002		ug/L
Cu	63	897.086	0.002		ug/L
Cu	65	486.022	0.001		ug/L
Zn	66	1835.264	0.006		ug/L
Zn	68	1578.190	0.003		ug/L
Ge	72	329382.679	329382.679		ug/L
As	75	521.099	0.000		ug/L
Se	77	149.005	0.000		ug/L
Se	82	-12.916	-0.000		ug/L
Rh	103	418644.583	418644.583		ug/L
Ag	107	504.023	0.001	0.040826	ug/L
Cd	111	111.153	0.000	0.037281	ug/L
Cd	114	271.371	0.001	0.039334	ug/L
In	115	329226.026	329226.026		ug/L
Sb	121	639.036	0.001		ug/L
Sb	123	468.842	0.001		ug/L
Tl	203	454.019	0.001	0.041024	ug/L
Tl	205	1095.086	0.003	0.040186	ug/L
Pb	208	2178.148	0.004		ug/L
Bi	209	379778.468	379778.468		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	515316.356	515316.356		ug/L
Be	9	14.000	0.000		ug/L
V	51	4621.924	0.002		ug/L
Cr	52	12405.888	0.002		ug/L
Cr	53	780.050	0.000		ug/L
Co	59	580.029	0.001		ug/L
Cu	63	914.088	0.002		ug/L
Cu	65	427.017	0.001		ug/L
Zn	66	1875.265	0.006		ug/L
Zn	68	1569.186	0.003		ug/L
Ge	72	329536.422	329536.422		ug/L
As	75	538.004	0.000		ug/L
Se	77	142.003	-0.000		ug/L
Se	82	11.938	0.000		ug/L
Rh	103	429681.123	429681.123		ug/L
Ag	107	483.021	0.001	0.037682	ug/L
Cd	111	126.526	0.000	0.041568	ug/L
Cd	114	265.297	0.001	0.037448	ug/L
In	115	325140.443	325140.443		ug/L
Sb	121	704.042	0.001		ug/L
Sb	123	531.899	0.001		ug/L
Tl	203	469.020	0.001	0.041133	ug/L
Tl	205	1094.086	0.002	0.038774	ug/L
Pb	208	2149.147	0.004		ug/L
Bi	209	391418.388	391418.388		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	506206.104	506206.104		ug/L
Be	9	11.000	0.000		ug/L
V	51	4441.207	0.001		ug/L
Cr	52	12362.813	0.001		ug/L
Cr	53	706.042	0.000		ug/L
Co	59	618.033	0.002		ug/L
Cu	63	931.070	0.002		ug/L
Cu	65	430.017	0.001		ug/L
Zn	66	1879.266	0.006		ug/L
Zn	68	1548.183	0.003		ug/L
Ge	72	333310.670	333310.670		ug/L
As	75	543.820	0.001		ug/L
Se	77	158.003	0.000		ug/L
Se	82	26.119	0.000		ug/L
Rh	103	419431.419	419431.419		ug/L
Ag	107	517.024	0.001	0.041713	ug/L
Cd	111	122.503	0.000	0.041154	ug/L
Cd	114	297.400	0.001	0.043221	ug/L

Sample ID: 0A27021-CAL2
Report Date/Time: Wednesday, January 27, 2010 09:51:23

[	In	115	316329.053	316329.053		ug/L
I	Sb	121	641.035	0.001		ug/L
\	Sb	123	474.139	0.001		ug/L
f	Tl	203	427.017	0.001	0.037843	ug/L
I	Tl	205	1125.100	0.003	0.041046	ug/L
I	Pb	208	2121.146	0.004		ug/L
[	Bi	209	353080.523	353080.523		ug/L

Sample ID: 0A27021-CAL2
Report Date/Time: Wednesday, January 27, 2010 09:51:23

Sample Information

Sample ID: 0A27021-CAL3
Autosampler Position: 3
Sample Date/Time: Wednesday, January 27, 2010 09:53:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-CAL3.003
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	503375.828	503375.828				ug/L
	Be	9	69.668	0.000	0.200000	0.026	13.034	ug/L
	V	51	6048.161	0.006	0.200000	0.021	10.430	ug/L
	Cr	52	13895.976	0.006	0.200000	0.015	7.289	ug/L
	Cr	53	961.074	0.001	0.200000	0.015	7.319	ug/L
	Co	59	2523.137	0.007	0.200000	0.002	0.945	ug/L
	Cu	63	1465.498	0.004	0.200000	0.005	2.324	ug/L
	Cu	65	724.044	0.002	0.200000	0.004	1.755	ug/L
	Zn	66	807.387	0.001	0.200000	0.002	0.822	ug/L
	Zn	68	859.060	0.001	0.200000	0.020	9.811	ug/L
>	Ge	72	332772.623	332772.623				ug/L
	As	75	880.297	0.001	0.200000	0.062	30.930	ug/L
	Se	77	173.671	0.000	0.200000	0.070	34.879	ug/L
	Se	82	28.419	0.000	0.200000	0.373	186.699	ug/L
>	Rh	103	419489.172	419489.172				ug/L
	Ag	107	2218.367	0.005	0.199875	0.008	4.059	ug/L
	Cd	111	524.209	0.001	0.199142	0.006	3.215	ug/L
	Cd	114	1265.630	0.003	0.199642	0.006	3.098	ug/L
>	In	115	325687.641	325687.641				ug/L
	Sb	121	1904.273	0.005	0.200000	0.009	4.428	ug/L
	Sb	123	1412.483	0.003	0.200000	0.002	1.086	ug/L
	Tl	203	1935.615	0.005	0.199651	0.006	2.970	ug/L
	Tl	205	4835.685	0.012	0.199778	0.005	2.418	ug/L
	Pb	208	7120.466	0.017	0.200000	0.009	4.300	ug/L
>	Bi	209	386163.765	386163.765				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	

: 00800

	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	489894.493	489894.493		ug/L
Be	9	66.001	0.000	0.194684	ug/L
V	51	5889.784	0.008	0.176306	ug/L
Cr	52	13982.813	0.008	0.187288	ug/L
Cr	53	983.077	0.001	0.205841	ug/L
Co	59	2536.478	0.007	0.197686	ug/L
Cu	63	1454.183	0.004	0.194684	ug/L
Cu	65	746.048	0.002	0.203498	ug/L
Zn	66	821.066	0.001	0.200646	ug/L
Zn	68	824.066	0.001	0.177638	ug/L
Ge	72	327847.580	327847.580		ug/L
As	75	1038.496	0.002	0.268992	ug/L
Se	77	185.004	0.000	0.257163	ug/L
Se	82	118.306	0.000	0.630013	ug/L
Rh	103	413136.963	413136.963		ug/L
Ag	107	2104.331	0.005	0.192334	ug/L
Cd	111	514.236	0.001	0.198312	ug/L
Cd	114	1280.491	0.003	0.208713	ug/L
In	115	326547.900	326547.900		ug/L
Sb	121	1845.257	0.004	0.189928	ug/L
Sb	123	1415.525	0.003	0.198333	ug/L
Tl	203	1915.278	0.006	0.192821	ug/L
Tl	205	4650.686	0.012	0.195701	ug/L
Pb	208	6995.402	0.016	0.191182	ug/L
Bi	209	395058.746	395058.746		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	503498.315	503498.315		ug/L
Be	9	62.001	0.000	0.176999	ug/L
V	51	6075.686	0.007	0.208100	ug/L
Cr	52	13918.683	0.008	0.215812	ug/L
Cr	53	966.075	0.001	0.210815	ug/L
Co	59	2518.468	0.007	0.201456	ug/L
Cu	63	1464.166	0.004	0.202022	ug/L
Cu	65	717.043	0.002	0.200026	ug/L
Zn	66	795.062	0.001	0.196152	ug/L
Zn	68	868.081	0.001	0.208021	ug/L
Ge	72	329584.216	329584.216		ug/L
As	75	845.224	0.001	0.187988	ug/L
Se	77	175.004	0.000	0.220867	ug/L
Se	82	-10.032	0.000	0.012258	ug/L
Rh	103	418137.789	418137.789		ug/L
Ag	107	2303.394	0.006	0.208480	ug/L
Cd	111	540.289	0.001	0.205918	ug/L
Cd	114	1245.300	0.003	0.196882	ug/L
In	115	327628.988	327628.988		ug/L
Sb	121	1965.290	0.005	0.206584	ug/L
Sb	123	1434.866	0.003	0.202466	ug/L
Tl	203	1961.289	0.006	0.202661	ug/L
Tl	205	4798.660	0.012	0.198819	ug/L
Pb	208	7127.483	0.017	0.200467	ug/L
Bi	209	385515.958	385515.958		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	516736.675	516736.675		ug/L
Be	9	81.001	0.000	0.226317	ug/L
V	51	6179.011	0.007	0.215588	ug/L
Cr	52	13788.433	0.008	0.196802	ug/L
Cr	53	935.071	0.001	0.183344	ug/L
Co	59	2517.469	0.007	0.200879	ug/L
Cu	63	1478.168	0.004	0.203294	ug/L
Cu	65	709.042	0.002	0.198477	ug/L
Zn	66	806.064	0.001	0.201300	ug/L
Zn	68	885.084	0.001	0.214341	ug/L
Ge	72	330916.074	330916.074		ug/L
As	75	757.210	0.001	0.145039	ug/L
Se	77	161.003	0.000	0.122270	ug/L
Se	82	21.017	0.000	0.042268	ug/L
Rh	103	427192.793	427192.793		ug/L
Ag	107	2247.376	0.006	0.198831	ug/L
Cd	111	518.102	0.001	0.193196	ug/L
Cd	114	1261.098	0.003	0.195232	ug/L

: 00801

[>	In	115	320878.083	320878.083		ug/L
I	Sb	121	1902.272	0.006	0.203508	ug/L
L	Sb	123	1387.288	0.003	0.196211	ug/L
I	Tl	203	1930.265	0.006	0.203481	ug/L
I	Tl	205	4858.886	0.012	0.206113	ug/L
I	Pb	208	7238.514	0.018	0.206362	ug/L
L>	Bi	209	377918.562	377918.562		ug/L

Sample ID: 0A27021-CAL3
Report Date/Time: Wednesday, January 27, 2010 09:55:29

Sample Information

Sample ID: 0A27021-CAL4
Autosampler Position: 4
Sample Date/Time: Wednesday, January 27, 2010 09:57:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-CAL4.004
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	474085.598	474085.598				ug/L
⌊	Be	9	311.677	0.001	0.999725	0.118	11.833	ug/L
⌈	V	51	14774.748	0.031	0.999571	0.036	3.564	ug/L
|	Cr	52	21681.743	0.027	0.997132	0.097	9.747	ug/L
|	Cr	53	1898.938	0.003	0.996075	0.013	1.308	ug/L
|	Co	59	12428.263	0.036	0.999380	0.027	2.727	ug/L
|	Cu	63	6119.348	0.017	0.996253	0.033	3.338	ug/L
|	Cu	65	3041.344	0.009	0.996506	0.039	3.898	ug/L
|	Zn	66	1986.296	0.005	0.980096	0.057	5.780	ug/L
|	Zn	68	1622.201	0.003	0.967607	0.077	7.951	ug/L
\>	Ge	72	343265.809	343265.809				ug/L
|	As	75	2374.115	0.006	0.993980	0.033	3.321	ug/L
|	Se	77	321.344	0.001	1.003976	0.116	11.599	ug/L
⌊	Se	82	221.760	0.001	1.004329	0.063	6.274	ug/L
⌈>	Rh	103	400639.578	400639.578				ug/L
|	Ag	107	11132.447	0.028	1.002754	0.012	1.195	ug/L
|	Cd	111	2612.787	0.007	1.001714	0.027	2.670	ug/L
⌊	Cd	114	6118.526	0.015	1.000761	0.019	1.890	ug/L
⌈>	In	115	341756.927	341756.927				ug/L
|	Sb	121	8626.295	0.024	1.001644	0.051	5.047	ug/L
⌊	Sb	123	6455.019	0.018	1.001834	0.047	4.661	ug/L
⌈	Tl	203	9606.557	0.024	0.998870	0.008	0.812	ug/L
|	Tl	205	22224.750	0.055	0.995631	0.049	4.879	ug/L
|	Pb	208	31452.785	0.077	0.996152	0.047	4.733	ug/L
⌊>	Bi	209	403183.942	403183.942				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	
|	As	74.922	
|	Se	76.920	

	Se	81.917
>	Rh	102.905
	Ag	106.905
	Cd	110.904
	Cd	113.904
>	In	114.904
	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	470478.074	470478.074		ug/L
Be	9	271.008	0.001	0.874362	ug/L
V	51	14860.682	0.030	0.967008	ug/L
Cr	52	21541.649	0.028	0.914497	ug/L
Cr	53	1945.284	0.003	0.987808	ug/L
Co	59	12853.324	0.038	0.987705	ug/L
Cu	63	6134.686	0.017	0.968452	ug/L
Cu	65	3008.684	0.008	0.955648	ug/L
Zn	66	1834.281	0.005	0.915660	ug/L
Zn	68	1568.187	0.003	0.882788	ug/L
Ge	72	353420.802	353420.802		ug/L
As	75	2371.772	0.006	0.956833	ug/L
Se	77	349.012	0.001	1.105908	ug/L
Se	82	238.128	0.001	1.046328	ug/L
Rh	103	395307.042	395307.042		ug/L
Ag	107	11008.582	0.026	1.004687	ug/L
Cd	111	2648.888	0.007	1.029125	ug/L
Cd	114	5904.807	0.015	0.978824	ug/L
In	115	345835.702	345835.702		ug/L
Sb	121	8381.999	0.023	0.969550	ug/L
Sb	123	6242.412	0.017	0.966206	ug/L
Tl	203	9998.090	0.023	0.990380	ug/L
Tl	205	22124.432	0.052	0.943087	ug/L
Pb	208	31280.987	0.072	0.941868	ug/L
Bi	209	422030.877	422030.877		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	465081.153	465081.153		ug/L
Be	9	339.011	0.001	1.109307	ug/L
V	51	14752.771	0.031	0.994086	ug/L
Cr	52	21512.561	0.027	0.972688	ug/L
Cr	53	1920.277	0.003	1.011101	ug/L
Co	59	12217.562	0.035	0.979911	ug/L
Cu	63	6081.849	0.017	0.987211	ug/L
Cu	65	3052.687	0.008	1.000918	ug/L
Zn	66	2000.309	0.005	1.002610	ug/L
Zn	68	1708.221	0.004	1.032904	ug/L
Ge	72	343942.428	343942.428		ug/L
As	75	2429.742	0.008	1.018977	ug/L
Se	77	300.009	0.000	0.877580	ug/L
Se	82	229.042	0.001	1.034788	ug/L
Rh	103	401799.788	401799.788		ug/L
Ag	107	11266.022	0.028	1.013886	ug/L
Cd	111	2552.758	0.008	0.975462	ug/L
Cd	114	6205.543	0.016	1.012233	ug/L
In	115	348332.477	348332.477		ug/L
Sb	121	8630.297	0.024	0.987528	ug/L
Sb	123	6544.056	0.018	1.001682	ug/L
Tl	203	9450.342	0.024	1.006503	ug/L
Tl	205	21824.816	0.056	1.004875	ug/L
Pb	208	31452.541	0.078	1.019653	ug/L
Bi	209	393557.281	393557.281		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	486698.567	486698.567		ug/L
Be	9	325.011	0.001	1.015416	ug/L
V	51	14710.790	0.032	1.037623	ug/L
Cr	52	21991.020	0.030	1.104204	ug/L
Cr	53	1631.253	0.003	0.989217	ug/L
Co	59	12413.902	0.037	1.030522	ug/L
Cu	63	6141.701	0.018	1.033098	ug/L
Cu	65	3051.682	0.008	1.032954	ug/L
Zn	66	1994.288	0.005	1.022029	ug/L
Zn	68	1595.184	0.003	0.987130	ug/L
Ge	72	332434.201	332434.201		ug/L
As	75	2320.831	0.008	1.006135	ug/L
Se	77	315.010	0.001	1.027441	ug/L
Se	82	198.109	0.001	0.931872	ug/L
Rh	103	404811.926	404811.926		ug/L
Ag	107	11105.738	0.027	0.999931	ug/L
Cd	111	2636.738	0.007	1.000324	ug/L
Cd	114	6245.229	0.015	1.011124	ug/L

: 00804

[	In	115	333302 801	333302 801		ug/L
[	Sb	121	6666 588	0 025	1 057756	ug/L
[	Sb	123	6578 981	0 019	1 048008	ug/L
[	Tl	203	9373 240	0 024	0 998756	ug/L
[	Tl	205	22625 002	0 057	1 038881	ug/L
[	Pb	208	31624 848	0 079	1 026834	ug/L
[	Bi	209	382983 887	382983 887		ug/L

Sample ID: 0A27021-CAL4
Report Date/Time: Wednesday, January 27, 2010 09:59:35

Sample Information

Sample ID: 0A27021-CAL5
Autosampler Position: 5
Sample Date/Time: Wednesday, January 27, 2010 10:01:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-CAL5.005
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	476273.926	476273.926				ug/L
	Be	9	3468.543	0.007	10.010904	0.112	1.121	ug/L
	V	51	117543.977	0.321	10.002922	0.134	1.339	ug/L
	Cr	52	111793.397	0.281	10.002491	0.309	3.093	ug/L
	Cr	53	12598.228	0.034	9.998469	0.150	1.503	ug/L
	Co	59	128035.019	0.362	10.000800	0.156	1.557	ug/L
	Cu	63	60374.015	0.170	9.998581	0.038	0.384	ug/L
	Cu	65	30413.260	0.086	9.999959	0.141	1.410	ug/L
	Zn	66	17286.737	0.048	9.996953	0.128	1.285	ug/L
	Zn	68	12605.576	0.034	9.996930	0.291	2.911	ug/L
>	Ge	72	352961.539	352961.539				ug/L
	As	75	20972.494	0.058	10.003695	0.167	1.666	ug/L
	Se	77	1837.255	0.005	9.994565	0.137	1.372	ug/L
	Se	82	2295.681	0.007	9.995935	0.366	3.661	ug/L
>	Rh	103	396911.425	396911.425				ug/L
	Ag	107	115580.104	0.291	10.005451	0.146	1.461	ug/L
	Cd	111	27554.745	0.069	10.006539	0.421	4.203	ug/L
	Cd	114	62787.087	0.158	10.003855	0.092	0.920	ug/L
>	In	115	343586.602	343586.602				ug/L
	Sb	121	79060.871	0.229	9.995150	0.349	3.487	ug/L
	Sb	123	59139.516	0.171	9.994999	0.138	1.376	ug/L
	Tl	203	99695.658	0.245	10.003411	0.115	1.148	ug/L
	Tl	205	231083.114	0.568	10.003205	0.188	1.882	ug/L
	Pb	208	320087.673	0.786	10.002385	0.266	2.662	ug/L
>	Bi	209	406431.227	406431.227				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	

: 00806

	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	476904.984	476904.984		ug/L
Be	9	3486.886	0.007	10.050481	ug/L
V	51	116362.624	0.317	9.860004	ug/L
Cr	52	109727.473	0.274	9.751438	ug/L
Cr	53	12828.638	0.034	10.152703	ug/L
Co	59	126328.584	0.368	9.830162	ug/L
Cu	63	60523.841	0.170	9.985808	ug/L
Cu	65	30147.788	0.088	9.878646	ug/L
Zn	66	17563.743	0.049	10.122338	ug/L
Zn	68	12349.783	0.034	9.744042	ug/L
Ge	72	354278.788	354278.788		ug/L
As	75	20941.711	0.068	9.948847	ug/L
Se	77	1838.284	0.006	9.948638	ug/L
Se	82	2220.617	0.006	9.633341	ug/L
Rh	103	395280.144	395280.144		ug/L
Ag	107	116002.524	0.293	10.082300	ug/L
Cd	111	28084.447	0.071	10.241667	ug/L
Cd	114	61886.800	0.156	9.897727	ug/L
In	115	343984.976	343984.976		ug/L
Sb	121	76211.171	0.220	9.621561	ug/L
Sb	123	58312.135	0.169	9.843477	ug/L
Tl	203	100562.954	0.243	9.897816	ug/L
Tl	205	230497.244	0.556	9.785878	ug/L
Pb	208	317574.914	0.765	9.731703	ug/L
Bi	209	414311.129	414311.129		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	475210.434	475210.434		ug/L
Be	9	3490.888	0.007	10.097843	ug/L
V	51	116353.811	0.322	10.023163	ug/L
Cr	52	111412.270	0.278	9.907987	ug/L
Cr	53	12488.028	0.033	9.852923	ug/L
Co	59	129132.080	0.384	10.036880	ug/L
Cu	63	60486.818	0.170	9.968113	ug/L
Cu	65	31027.563	0.087	10.153117	ug/L
Zn	66	17380.293	0.048	10.002887	ug/L
Zn	68	12589.210	0.034	9.931814	ug/L
Ge	72	354684.183	354684.183		ug/L
As	75	20802.831	0.067	9.870808	ug/L
Se	77	1872.284	0.006	10.148784	ug/L
Se	82	2308.682	0.007	9.969274	ug/L
Rh	103	394154.906	394154.906		ug/L
Ag	107	115838.918	0.294	10.067173	ug/L
Cd	111	28068.618	0.071	10.256961	ug/L
Cd	114	62864.887	0.159	10.052827	ug/L
In	115	346630.884	346630.884		ug/L
Sb	121	80222.781	0.230	10.052768	ug/L
Sb	123	59871.220	0.172	10.029841	ug/L
Tl	203	100328.692	0.248	10.125586	ug/L
Tl	205	232308.460	0.575	10.113486	ug/L
Pb	208	318588.131	0.797	10.011383	ug/L
Bi	209	404048.347	404048.347		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	476708.359	476708.359		ug/L
Be	9	3427.857	0.007	9.864290	ug/L
V	51	117915.496	0.329	10.125800	ug/L
Cr	52	114240.447	0.291	10.348048	ug/L
Cr	53	12480.018	0.034	9.990180	ug/L
Co	59	128644.393	0.387	10.135249	ug/L
Cu	63	60112.484	0.171	10.041722	ug/L
Cu	65	30084.438	0.086	9.971218	ug/L
Zn	66	16916.176	0.047	9.865633	ug/L
Zn	68	12661.734	0.036	10.314834	ug/L
Ge	72	349921.650	349921.650		ug/L
As	75	21173.239	0.068	10.190629	ug/L
Se	77	1803.246	0.006	9.886283	ug/L
Se	82	2380.634	0.007	10.366189	ug/L
Rh	103	401288.226	401288.226		ug/L
Ag	107	114897.673	0.298	9.836881	ug/L
Cd	111	26514.172	0.068	9.520988	ug/L
Cd	114	63840.673	0.159	10.081011	ug/L

Sample ID: 0A27021-CAL5
Report Date/Time: Wednesday, January 27, 2010 10:03:42

I>	In	115	340173.986	340173.986		ug/L
I	Sb	121	60748.882	0.238	10.311621	ug/L
I	Sb	123	59236.193	0.173	10.111679	ug/L
I	Tl	203	98186.330	0.248	9.987080	ug/L
I	Tl	205	230445.617	0.574	10.110275	ug/L
I	Pb	208	324098.976	0.807	10.264086	ug/L
I>	Bi	209	400836.203	400836.203		ug/L

Sample ID: 0A27021-CAL5
Report Date/Time: Wednesday, January 27, 2010 10:03:42

Sample Information

Sample ID: 0A27021-CAL6
Autosampler Position: 6
Sample Date/Time: Wednesday, January 27, 2010 10:05:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-CAL6.006
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	480280.866	480280.866				ug/L
⌊	Be	9	6632.145	0.014	19.789702	0.797	4.027	ug/L
⌈	V	51	234054.420	0.666	20.148047	0.703	3.487	ug/L
|	Cr	52	202450.503	0.551	19.920401	0.660	3.311	ug/L
|	Cr	53	25101.278	0.071	20.200677	0.507	2.508	ug/L
|	Co	59	253975.332	0.735	20.057893	0.132	0.657	ug/L
|	Cu	63	123603.638	0.358	20.189701	0.661	3.275	ug/L
|	Cu	65	58260.261	0.168	19.922847	0.383	1.921	ug/L
|	Zn	66	34898.058	0.100	20.165886	0.454	2.252	ug/L
|	Zn	68	24507.895	0.070	20.050800	0.877	4.372	ug/L
|>	Ge	72	345241.700	345241.700				ug/L
|	As	75	41169.100	0.118	20.063702	0.768	3.827	ug/L
|	Se	77	3309.466	0.009	19.826888	0.252	1.272	ug/L
⌊	Se	82	4327.036	0.013	19.835989	0.462	2.330	ug/L
⌈>	Rh	103	403225.484	403225.484				ug/L
|	Ag	107	234198.834	0.581	19.993054	0.427	2.136	ug/L
|	Cd	111	56532.647	0.140	20.042207	0.471	2.349	ug/L
⌊	Cd	114	125768.888	0.312	19.945180	0.248	1.244	ug/L
⌈>	In	115	331200.889	331200.889				ug/L
|	Sb	121	172009.476	0.518	20.479184	0.043	0.208	ug/L
⌊	Sb	123	136380.633	0.411	20.694129	0.382	1.847	ug/L
⌈	Tl	203	197276.366	0.479	19.908335	0.055	0.274	ug/L
|	Tl	205	462290.234	1.123	19.953215	0.554	2.776	ug/L
|	Pb	208	626591.144	1.521	19.865916	0.166	0.837	ug/L
⌊>	Bi	209	411531.494	411531.494				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	

	Se	81.917
>	Rh	102.905
	Ag	106.905
	Cd	110.904
	Cd	113.904
>	In	114.904
	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	484246.256	484246.256		ug/L
Be	9	6613.033	0.013	19.266537	ug/L
V	51	238885.430	0.692	20.935561	ug/L
Cr	52	202600.086	0.587	20.509467	ug/L
Cr	53	25125.383	0.073	20.782467	ug/L
Co	59	249111.971	0.741	20.209868	ug/L
Cu	63	124430.686	0.370	20.872114	ug/L
Cu	65	57884.401	0.171	20.254951	ug/L
Zn	66	34858.183	0.103	20.689814	ug/L
Zn	68	25029.011	0.073	21.038139	ug/L
Ge	72	338049.650	338049.650		ug/L
As	75	41505.456	0.122	20.778614	ug/L
Se	77	3284.779	0.009	20.103147	ug/L
Se	82	4318.574	0.013	20.330199	ug/L
Rh	103	412203.251	412203.251		ug/L
Ag	107	233960.880	0.567	19.530784	ug/L
Cd	111	56358.547	0.137	19.538663	ug/L
Cd	114	127008.436	0.308	19.899484	ug/L
In	115	325179.857	325179.857		ug/L
Sb	121	168475.383	0.517	20.430136	ug/L
Sb	123	135862.791	0.416	20.981648	ug/L
Tl	203	194888.104	0.480	19.926232	ug/L
Tl	205	471012.874	1.159	20.582099	ug/L
Pb	208	623180.418	1.533	20.015711	ug/L
Bi	209	408208.829	408208.829		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	485237.106	485237.106		ug/L
Be	9	6570.088	0.014	19.396770	ug/L
V	51	234190.804	0.668	19.922927	ug/L
Cr	52	197901.029	0.531	19.207654	ug/L
Cr	53	25100.275	0.070	19.982408	ug/L
Co	59	255871.800	0.733	19.982693	ug/L
Cu	63	124788.470	0.357	20.145158	ug/L
Cu	65	57686.580	0.165	19.504218	ug/L
Zn	66	34877.290	0.099	19.922318	ug/L
Zn	68	24432.980	0.068	19.750386	ug/L
Ge	72	349084.612	349084.612		ug/L
As	75	41847.984	0.119	20.180458	ug/L
Se	77	3311.801	0.009	19.608712	ug/L
Se	82	4360.790	0.013	19.763481	ug/L
Rh	103	402798.634	402798.634		ug/L
Ag	107	234988.052	0.583	20.075464	ug/L
Cd	111	56701.822	0.141	20.116660	ug/L
Cd	114	125627.636	0.312	19.940398	ug/L
In	115	329928.872	329928.872		ug/L
Sb	121	171561.582	0.519	20.506108	ug/L
Sb	123	137003.413	0.414	20.864088	ug/L
Tl	203	197122.945	0.478	19.847088	ug/L
Tl	205	456562.835	1.107	19.667725	ug/L
Pb	208	629994.451	1.523	19.894998	ug/L
Bi	209	412480.587	412480.587		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	471357.238	471357.238		ug/L
Be	9	6813.316	0.014	20.706798	ug/L
V	51	231278.926	0.648	19.585853	ug/L
Cr	52	206860.386	0.554	20.044091	ug/L
Cr	53	25078.197	0.069	19.867188	ug/L
Co	59	256842.225	0.733	19.981122	ug/L
Cu	63	121613.780	0.348	19.651831	ug/L
Cu	65	59429.801	0.169	20.009371	ug/L
Zn	66	34961.702	0.099	19.865526	ug/L
Zn	68	24088.713	0.067	19.363875	ug/L
Ge	72	350680.828	350680.828		ug/L
As	75	40153.853	0.113	19.252032	ug/L
Se	77	3381.820	0.009	19.768804	ug/L
Se	82	4301.744	0.012	19.414287	ug/L
Rh	103	394878.568	394878.568		ug/L
Ag	107	233869.571	0.592	20.372913	ug/L
Cd	111	56537.872	0.143	20.471308	ug/L
Cd	114	124870.594	0.316	20.195648	ug/L

Sample ID: 0A27021-CAL6
Report Date/Time: Wednesday, January 27, 2010 10:07:45

I>	In	115	338483 938	338483 938		ug/L
I	Sb	121	175981 463	0 519	20 502312	ug/L
L	Sb	123	138475 696	0 402	20 256472	ug/L
F	Tl	203	199808 050	0 480	19 951684	ug/L
I	Tl	205	459266 292	1 104	19 809821	ug/L
I	Pb	208	827588 568	1 507	19 687036	ug/L
I>	Bi	209	415908 057	415908 057		ug/L

Sample ID: 0A27021-CAL6
Report Date/Time: Wednesday, January 27, 2010 10:07:45

Sample Information

Sample ID: 0A27021-CAL7
Autosampler Position: 7
Sample Date/Time: Wednesday, January 27, 2010 10:09:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-CAL7.007
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	470523.618	470523.618				ug/L
⌊	Be	9	16290.054	0.035	49.941360	2.084	4.174	ug/L
⌈	V	51	557955.911	1.613	49.788421	0.634	1.273	ug/L
|	Cr	52	474601.960	1.346	49.775846	0.161	0.323	ug/L
|	Cr	53	59124.287	0.170	49.769320	0.407	0.818	ug/L
|	Co	59	611637.172	1.781	49.754034	0.745	1.498	ug/L
|	Cu	63	294003.025	0.856	49.708881	1.540	3.097	ug/L
|	Cu	65	139514.375	0.406	49.654543	0.143	0.288	ug/L
|	Zn	66	83369.240	0.242	49.774527	0.807	1.622	ug/L
|	Zn	68	57891.566	0.167	49.671335	0.483	0.972	ug/L
|>	Ge	72	343448.295	343448.295				ug/L
|	As	75	98325.044	0.285	49.737819	1.242	2.497	ug/L
|	Se	77	7954.842	0.023	49.867329	1.143	2.292	ug/L
⌊	Se	82	10436.702	0.030	49.653044	0.593	1.195	ug/L
⌈>	Rh	103	390453.301	390453.301				ug/L
|	Ag	107	570516.678	1.461	50.048045	0.273	0.546	ug/L
|	Cd	111	135937.070	0.348	49.959861	0.791	1.583	ug/L
⌊	Cd	114	301740.834	0.773	49.901259	0.351	0.704	ug/L
⌈>	In	115	330537.769	330537.769				ug/L
|	Sb	121	426564.664	1.289	50.157620	0.776	1.547	ug/L
⌊	Sb	123	333835.152	1.009	50.134090	0.438	0.874	ug/L
⌈	Tl	203	484421.674	1.183	49.855096	0.507	1.017	ug/L
|	Tl	205	1121419.718	2.738	49.768626	0.880	1.768	ug/L
|	Pb	208	1526286.148	3.726	49.771906	0.542	1.089	ug/L
⌊>	Bi	209	409452.685	409452.685				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	

L	Se	81.917
[>	Rh	102.905
|	Ag	106.905
|	Cd	110.904
L	Cd	113.904
[>	In	114.904
|	Sb	120.904
L	Sb	122.904
[	Tl	202.972
|	Tl	204.975
|	Pb	207.977
L>	Bi	208.980

QC Out Of Limits

Measurement Type | Analyte | Mass | Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	482803.171	482803.171		ug/L
Be	9	15992.042	0.033	47.741316	ug/L
V	51	561947.395	1.634	50.439588	ug/L
Cr	52	472450.016	1.348	49.840932	ug/L
Cr	53	58798.803	0.170	49.783493	ug/L
Co	59	609981.723	1.788	49.909437	ug/L
Cu	63	300708.278	0.880	51.134836	ug/L
Cu	65	139126.237	0.407	49.804887	ug/L
Zn	66	84227.526	0.246	50.580524	ug/L
Zn	68	58170.486	0.169	50.204182	ug/L
Ge	72	341456.281	341456.281		ug/L
As	75	98488.217	0.287	50.110523	ug/L
Se	77	7706.231	0.022	48.563941	ug/L
Se	82	10282.098	0.030	49.204122	ug/L
Rh	103	393586.708	393586.708		ug/L
Ag	107	578039.012	1.468	50.306868	ug/L
Cd	111	134813.803	0.343	49.148047	ug/L
Cd	114	304177.638	0.773	49.903540	ug/L
In	115	326836.033	326836.033		ug/L
Sb	121	415533.150	1.270	49.401448	ug/L
Sb	123	332798.248	1.017	50.526332	ug/L
Tl	203	481421.412	1.171	49.345081	ug/L
Tl	205	1146280.766	2.788	50.668439	ug/L
Pb	208	1522028.288	3.701	49.431740	ug/L
Bi	209	411114.082	411114.082		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	474449.242	474449.242		ug/L
Be	9	16523.254	0.035	50.198222	ug/L
V	51	558030.674	1.612	49.751983	ug/L
Cr	52	473285.719	1.341	49.582598	ug/L
Cr	53	59642.566	0.171	50.169034	ug/L
Co	59	602154.510	1.752	48.943184	ug/L
Cu	63	295496.291	0.858	49.815349	ug/L
Cu	65	139588.084	0.408	49.639039	ug/L
Zn	66	83446.430	0.242	49.777121	ug/L
Zn	68	57797.472	0.167	49.547497	ug/L
Ge	72	343728.486	343728.486		ug/L
As	75	100406.247	0.291	50.750660	ug/L
Se	77	8034.587	0.023	50.339008	ug/L
Se	82	10688.733	0.031	50.325817	ug/L
Rh	103	393735.706	393735.706		ug/L
Ag	107	572028.830	1.453	49.762073	ug/L
Cd	111	137210.002	0.348	50.001052	ug/L
Cd	114	302145.244	0.767	49.548567	ug/L
In	115	333288.021	333288.021		ug/L
Sb	121	429756.981	1.299	50.119278	ug/L
Sb	123	333458.496	1.000	49.661228	ug/L
Tl	203	488468.807	1.195	50.359483	ug/L
Tl	205	1118520.531	2.736	49.727711	ug/L
Pb	208	1542801.009	3.773	50.397128	ug/L
Bi	209	408745.778	408745.778		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	454318.442	454318.442		ug/L
Be	9	16354.886	0.036	51.886544	ug/L
V	51	553889.883	1.599	49.173711	ug/L
Cr	52	478070.148	1.349	49.884008	ug/L
Cr	53	58931.884	0.169	49.355434	ug/L
Co	59	622775.283	1.804	50.409500	ug/L
Cu	63	295803.508	0.827	48.078458	ug/L
Cu	65	139830.803	0.405	49.618723	ug/L
Zn	66	82433.783	0.238	48.958938	ug/L
Zn	68	57708.742	0.166	49.262327	ug/L
Ge	72	345160.117	345160.117		ug/L
As	75	98080.867	0.277	48.352244	ug/L
Se	77	8124.898	0.023	50.898035	ug/L
Se	82	10441.275	0.030	49.429086	ug/L
Rh	103	384068.482	384068.482		ug/L
Ag	107	561482.193	1.462	50.075377	ug/L
Cd	111	135787.406	0.354	50.729482	ug/L
Cd	114	298898.823	0.778	50.251549	ug/L

: 00813

[	In	115	331360.252	331360.252		ug/L
[	Sb	121	434403.883	1.310	50.952137	ug/L
[	Sb	123	335251.715	1.011	50.214713	ug/L
[	Tl	203	483358.801	1.163	49.880753	ug/L
[	Tl	205	1099457.858	2.661	48.908728	ug/L
[	Pb	208	1514029.147	3.705	49.488863	ug/L
[	Bi	209	408498.198	408498.198		ug/L

Sample ID: 0A27021-CAL7
Report Date/Time: Wednesday, January 27, 2010 10:11:50

Sample Information

Sample ID: 0A27021-CAL8
Autosampler Position: 8
Sample Date/Time: Wednesday, January 27, 2010 10:14:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-CAL8.008
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	506572.256	506572.256				ug/L
⌊	Be	9	30194.340	0.060	96.353380	1.039	1.079	ug/L
⌈	V	51	1106980.736	3.425	101.269396	1.527	1.508	ug/L
|	Cr	52	938545.600	2.879	101.419889	2.696	2.659	ug/L
|	Cr	53	109395.501	0.338	99.721273	0.207	0.208	ug/L
|	Co	59	1138650.758	3.535	99.716939	1.415	1.419	ug/L
|	Cu	63	583806.333	1.812	101.174400	1.314	1.299	ug/L
|	Cu	65	270463.294	0.840	100.613127	3.225	3.206	ug/L
|	Zn	66	156832.064	0.486	100.007283	1.310	1.310	ug/L
|	Zn	68	114895.926	0.355	101.230967	1.973	1.949	ug/L
|>	Ge	72	322087.634	322087.634				ug/L
|	As	75	200795.013	0.622	101.860314	1.179	1.158	ug/L
|	Se	77	15291.504	0.047	100.726680	0.929	0.922	ug/L
⌊	Se	82	20994.619	0.065	101.420274	2.409	2.375	ug/L
⌈>	Rh	103	415825.420	415825.420				ug/L
|	Ag	107	1107119.765	2.663	97.825881	2.682	2.742	ug/L
|	Cd	111	253105.321	0.609	96.765812	2.499	2.582	ug/L
⌊	Cd	114	602763.772	1.449	98.444652	0.610	0.620	ug/L
⌈>	In	115	311856.160	311856.160				ug/L
|	Sb	121	846442.135	2.713	101.231096	1.363	1.346	ug/L
⌊	Sb	123	651703.532	2.089	100.852517	3.199	3.172	ug/L
⌈	Tl	203	897427.469	2.363	99.907700	1.319	1.320	ug/L
|	Tl	205	2136904.627	5.628	100.516877	1.539	1.531	ug/L
|	Pb	208	2961121.796	7.797	100.928342	0.848	0.840	ug/L
⌊>	Bi	209	379699.816	379699.816				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	

: 00815

	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	515068.171	515068.171		ug/L
Be	9	30787.568	0.080	98.863092	ug/L
V	51	1089568.882	3.382	100.003525	ug/L
Cr	52	950264.715	2.924	103.030522	ug/L
Cr	53	109093.872	0.338	99.780717	ug/L
Co	59	1149768.338	3.582	101.021146	ug/L
Cu	63	584830.782	1.820	101.630749	ug/L
Cu	65	273838.071	0.853	102.185290	ug/L
Zn	66	153940.678	0.478	98.484681	ug/L
Zn	68	118463.847	0.362	102.861238	ug/L
Ge	72	321003.657	321003.657		ug/L
As	75	200582.479	0.624	102.091467	ug/L
Se	77	15308.542	0.047	101.182327	ug/L
Se	82	21221.991	0.066	102.843803	ug/L
Rh	103	421072.911	421072.911		ug/L
Ag	107	1089029.881	2.586	95.008307	ug/L
Cd	111	250371.012	0.596	94.810112	ug/L
Cd	114	614871.628	1.460	99.142849	ug/L
In	115	316111.364	316111.364		ug/L
Sb	121	847112.005	2.679	99.937768	ug/L
Sb	123	537767.352	2.017	97.342196	ug/L
Tl	203	894990.271	2.352	99.408908	ug/L
Tl	205	2115538.709	5.558	99.283656	ug/L
Pb	208	2988809.077	7.852	101.639229	ug/L
Bi	209	380571.030	380571.030		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	504322.675	504322.675		ug/L
Be	9	30323.532	0.080	97.202662	ug/L
V	51	1113133.743	3.483	102.986000	ug/L
Cr	52	941985.000	2.921	102.922111	ug/L
Cr	53	108376.061	0.338	99.892211	ug/L
Co	59	1128460.186	3.542	99.916306	ug/L
Cu	63	583286.933	1.831	102.199656	ug/L
Cu	65	273237.719	0.867	102.750763	ug/L
Zn	66	158251.083	0.490	100.751258	ug/L
Zn	68	114129.697	0.357	101.884183	ug/L
Ge	72	318537.843	318537.843		ug/L
As	75	200838.448	0.629	102.907098	ug/L
Se	77	15216.340	0.047	101.339588	ug/L
Se	82	21046.406	0.066	102.777585	ug/L
Rh	103	414841.500	414841.500		ug/L
Ag	107	1107529.425	2.671	96.120761	ug/L
Cd	111	251308.817	0.608	96.335867	ug/L
Cd	114	598371.317	1.443	96.010485	ug/L
In	115	309959.431	309959.431		ug/L
Sb	121	840293.882	2.710	101.101477	ug/L
Sb	123	552781.744	2.106	101.813251	ug/L
Tl	203	886120.951	2.340	98.911024	ug/L
Tl	205	2120857.221	5.600	100.024958	ug/L
Pb	208	2959971.443	7.815	101.156687	ug/L
Bi	209	378700.419	378700.419		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	500328.823	500328.823		ug/L
Be	9	29461.929	0.058	95.184387	ug/L
V	51	1118222.584	3.411	100.838663	ug/L
Cr	52	923387.088	2.790	98.307038	ug/L
Cr	53	110716.571	0.337	99.490881	ug/L
Co	59	1137723.752	3.482	98.213277	ug/L
Cu	63	583802.274	1.786	99.692884	ug/L
Cu	65	264314.094	0.809	98.903338	ug/L
Zn	66	160304.450	0.490	100.775810	ug/L
Zn	68	114084.136	0.348	99.077481	ug/L
Ge	72	326721.402	326721.402		ug/L
As	75	201154.111	0.614	100.582389	ug/L
Se	77	15349.628	0.047	99.658116	ug/L
Se	82	20716.480	0.063	98.639432	ug/L
Rh	103	411761.848	411761.848		ug/L
Ag	107	1124804.187	2.732	100.348586	ug/L
Cd	111	257638.132	0.626	99.481768	ug/L
Cd	114	595248.370	1.446	96.180822	ug/L

Sample ID: 0A27021-CAL8
Report Date/Time: Wednesday, January 27, 2010 10:15:55

	In	115	309497.883	309497.883		ug/L
	Sb	121	851920.708	2.751	102.654042	ug/L
	Sb	123	684581.501	2.146	103.602108	ug/L
	Tl	203	911161.184	2.388	101.403165	ug/L
	Tl	205	2174317.980	5.724	102.242020	ug/L
	Pb	208	2934684.888	7.724	99.990131	ug/L
	Bi	209	379827.988	379827.988		ug/L

Sample ID: 0A27021-CAL8
Report Date/Time: Wednesday, January 27, 2010 10:15:55

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	0.997780
V	50.944	Linear Thru Zero	0.03	0.00	0.999718
Cr	51.941	Linear Thru Zero	0.03	0.00	0.999653
Cr	52.941	Linear Thru Zero	0.00	0.00	0.999966
Co	58.933	Linear Thru Zero	0.04	0.00	0.999972
Cu	62.930	Linear Thru Zero	0.02	0.00	0.999746
Cu	64.928	Linear Thru Zero	0.01	0.00	0.999910
Zn	65.926	Linear Thru Zero	0.00	0.00	0.999982
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999723
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	0.01	0.00	0.999409
Se	76.920	Linear Thru Zero	0.00	0.00	0.999902
Se	81.917	Linear Thru Zero	0.00	0.00	0.999634
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.03	0.00	0.999213
Cd	110.904	Linear Thru Zero	0.01	0.00	0.998261
Cd	113.904	Linear Thru Zero	0.01	0.00	0.999594
In	114.904	Linear Thru Zero	0.00	0.00	0.000000
Sb	120.904	Linear Thru Zero	0.03	0.00	0.999703
Sb	122.904	Linear Thru Zero	0.02	0.00	0.999791
Tl	202.972	Linear Thru Zero	0.02	0.00	0.999992
Tl	204.975	Linear Thru Zero	0.06	0.00	0.999943
Pb	207.977	Linear Thru Zero	0.08	0.00	0.999842
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

: 00818

Sample Information

Sample ID: 0A27021-SCV1
Autosampler Position: 2
Sample Date/Time: Wednesday, January 27, 2010 10:18:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-SCV1.009
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	456718.451	456718.451				ug/L
⌊	Be	9	12852.682	0.028	45.487307	0.209	0.460	ug/L
⌈	V	51	428108.156	1.250	36.946893	0.413	1.118	ug/L
|	Cr	52	388424.698	1.109	39.077144	1.564	4.002	ug/L
|	Cr	53	45533.147	0.132	39.014279	0.897	2.299	ug/L
|	Co	59	491526.607	1.449	40.858158	1.337	3.273	ug/L
|	Cu	63	230230.804	0.678	37.840282	0.295	0.779	ug/L
|	Cu	65	113914.979	0.335	40.193689	0.892	2.219	ug/L
|	Zn	66	64488.485	0.189	38.910701	0.331	0.852	ug/L
|	Zn	68	46916.409	0.137	39.016814	1.541	3.948	ug/L
|>	Ge	72	339407.234	339407.234				ug/L
|	As	75	80314.939	0.235	38.533348	0.798	2.070	ug/L
|	Se	77	6365.233	0.018	39.243696	1.528	3.893	ug/L
⌊	Se	82	8543.892	0.025	39.228404	2.321	5.917	ug/L
⌈>	Rh	103	386756.762	386756.762				ug/L
|	Ag	107	436263.660	1.128	41.434080	0.366	0.884	ug/L
|	Cd	111	104556.747	0.270	42.969493	0.536	1.247	ug/L
⌊	Cd	114	237088.282	0.613	41.632521	0.904	2.171	ug/L
⌈>	In	115	335540.381	335540.381				ug/L
|	Sb	121	340061.551	1.012	37.770908	1.315	3.480	ug/L
⌊	Sb	123	254606.956	0.758	36.584028	0.385	1.052	ug/L
⌈	Tl	203	377714.437	0.944	39.919513	0.693	1.735	ug/L
|	Tl	205	864183.320	2.161	38.594743	0.880	2.280	ug/L
|	Pb	208	1203286.192	3.008	38.932080	0.854	2.194	ug/L
⌊>	Bi	209	399983.304	399983.304				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	89.695
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	101.395
|	As	74.922	
|	Se	76.920	

00819

	Se	81.917	
>	Rh	102.905	91.508
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	103.848
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	104.316

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A27021-SCV1	Be	9	

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	458186.787	458186.787		ug/L
	Be	9	12850.678	0.028	45.333830	ug/L
	V	51	432851.034	1.239	38.626196	ug/L
	Cr	52	382041.509	1.066	37.626884	ug/L
	Cr	53	46239.646	0.131	38.642880	ug/L
	Co	59	483406.988	1.398	39.389680	ug/L
	Cu	63	232883.461	0.672	37.501488	ug/L
	Cu	65	113816.809	0.328	39.301219	ug/L
	Zn	66	65139.283	0.187	38.535872	ug/L
	Zn	68	46175.230	0.132	37.629021	ug/L
>	Ge	72	346080.566	346080.566		ug/L
	As	75	80309.086	0.231	37.771137	ug/L
	Se	77	6208.758	0.018	37.463886	ug/L
	Se	82	8198.388	0.024	36.878968	ug/L
>	Rh	103	386889.537	386889.537		ug/L
	Ag	107	440892.984	1.139	41.846783	ug/L
	Cd	111	105480.580	0.273	43.314702	ug/L
	Cd	114	232084.818	0.600	40.729359	ug/L
>	In	115	336970.250	336970.250		ug/L
	Sb	121	326782.272	0.974	38.358374	ug/L
	Sb	123	252618.125	0.749	38.142668	ug/L
	Tl	203	380686.487	0.931	39.338108	ug/L
	Tl	205	864788.113	2.114	37.754439	ug/L
	Pb	208	1200853.967	2.934	37.973488	ug/L
>	Bi	209	409080.025	409080.025		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	453720.148	453720.148		ug/L
	Be	9	12744.487	0.028	45.402714	ug/L
	V	51	427884.749	1.245	38.801812	ug/L
	Cr	52	387702.700	1.103	38.871077	ug/L
	Cr	53	44747.170	0.129	38.215431	ug/L
	Co	59	498948.513	1.460	41.178872	ug/L
	Cu	63	232071.008	0.681	38.038442	ug/L
	Cu	65	114262.801	0.338	40.194899	ug/L
	Zn	66	64859.881	0.190	39.031131	ug/L
	Zn	68	46754.989	0.136	38.783344	ug/L
>	Ge	72	340329.353	340329.353		ug/L
	As	75	80417.681	0.236	38.466580	ug/L
	Se	77	6542.060	0.019	40.230842	ug/L
	Se	82	8586.908	0.025	39.268380	ug/L
>	Rh	103	386283.828	386283.828		ug/L
	Ag	107	432789.115	1.120	41.154542	ug/L
	Cd	111	105080.162	0.272	43.241433	ug/L
	Cd	114	236792.361	0.813	41.631472	ug/L
>	In	115	336181.188	336181.188		ug/L
	Sb	121	342778.418	1.018	37.998083	ug/L
	Sb	123	256334.878	0.762	38.781254	ug/L
	Tl	203	381664.110	0.962	40.684840	ug/L
	Tl	205	855243.911	2.157	38.520088	ug/L
	Pb	208	1201701.948	3.029	39.210556	ug/L
>	Bi	209	396506.838	396506.838		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	458239.440	458239.440		ug/L
	Be	9	12962.881	0.028	45.725388	ug/L
	V	51	423808.585	1.265	37.412888	ug/L
	Cr	52	395529.888	1.156	40.733692	ug/L
	Cr	53	45612.627	0.135	39.984516	ug/L
	Co	59	494228.340	1.469	42.008213	ug/L
	Cu	63	225937.946	0.680	37.982916	ug/L
	Cu	65	113885.528	0.343	41.085178	ug/L
	Zn	66	63460.290	0.190	39.166000	ug/L
	Zn	68	47819.009	0.143	40.672076	ug/L
>	Ge	72	331801.784	331801.784		ug/L
	As	75	80218.068	0.240	39.382358	ug/L
	Se	77	6344.880	0.019	40.016258	ug/L
	Se	82	8848.408	0.027	41.519884	ug/L
>	Rh	103	386998.922	386998.922		ug/L
	Ag	107	435108.900	1.124	41.298813	ug/L
	Cd	111	103119.499	0.266	42.352348	ug/L

: 00820

L	Cd	114	242387 887	0 628	42 539733	ug/L
[	In	115	333488 708	333488 708		ug/L
I	Sb	121	348813 988	1 044	38 958288	ug/L
L	Sb	123	254887 885	0 763	38 648171	ug/L
[	Tl	203	370782 744	0 940	39 737483	ug/L
I	Tl	205	872617 936	2 212	39 509702	ug/L
I	Pb	208	1207502 881	3 060	39 812116	ug/L
I	Bi	209	394384 062	394384 062		ug/L

Sample Information

Sample ID: 0A27021-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, January 27, 2010 10:26:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-CCB.010
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	491433.147	491433.147				ug/L
⌊	Be	9	4.667	0.000	0.003683	0.007	183.528	ug/L
⌈	V	51	3858.235	-0.000	-0.002472	0.004	180.185	ug/L
|	Cr	52	11726.402	-0.000	-0.002009	0.012	600.714	ug/L
|	Cr	53	735.379	0.000	0.031582	0.037	117.938	ug/L
|	Co	59	122.336	0.000	0.002706	0.000	8.024	ug/L
|	Cu	63	211.005	0.000	0.001087	0.002	183.255	ug/L
|	Cu	65	123.336	0.000	0.008298	0.004	50.034	ug/L
|	Zn	66	301.343	-0.000	-0.005044	0.009	187.950	ug/L
|	Zn	68	441.018	0.000	0.013675	0.010	76.418	ug/L
|>	Ge	72	327288.683	327288.683				ug/L
|	As	75	466.975	0.000	0.011913	0.017	141.693	ug/L
|	Se	77	153.670	0.000	0.082301	0.073	89.142	ug/L
⌊	Se	82	-3.297	0.000	0.043513	0.090	207.131	ug/L
⌈>	Rh	103	416308.448	416308.448				ug/L
|	Ag	107	109.335	0.000	0.004440	0.000	10.666	ug/L
|	Cd	111	12.438	0.000	0.003478	0.002	56.956	ug/L
⌊	Cd	114	13.516	-0.000	-0.000099	0.001	1190.267	ug/L
⌈>	In	115	320702.379	320702.379				ug/L
|	Sb	121	1016.416	0.002	0.071486	0.006	9.001	ug/L
⌊	Sb	123	762.876	0.001	0.070871	0.007	9.572	ug/L
⌈	Tl	203	62.334	0.000	0.000474	0.001	135.424	ug/L
|	Tl	205	144.003	0.000	0.000163	0.000	166.579	ug/L
|	Pb	208	655.685	0.000	0.001484	0.000	22.179	ug/L
⌊>	Bi	209	379609.795	379609.795				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.512
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.775
|	As	74.922	
|	Se	76.920	

: 00822

	Se	81.917	
>	Rh	102.905	98.501
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.256
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	99.003

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	484729.301	484729.301		ug/L
Be	9	3.000	-0.000	-0.001638	ug/L
V	51	3874.331	-0.000	-0.000208	ug/L
Cr	52	11609.543	0.000	0.011654	ug/L
Cr	53	781.051	0.000	0.074442	ug/L
Co	59	120.002	0.000	0.002530	ug/L
Cu	63	218.005	0.000	0.002019	ug/L
Cu	65	121.002	0.000	0.007534	ug/L
Zn	66	297.009	0.000	0.007290	ug/L
Zn	68	452.019	0.000	0.024145	ug/L
Ge	72	326616.335	326616.336		ug/L
As	75	501.121	0.000	0.029594	ug/L
Se	77	164.004	0.000	0.152196	ug/L
Se	82	15.025	0.000	0.130424	ug/L
Rh	103	404646.982	404646.982		ug/L
Ag	107	112.002	0.000	0.004953	ug/L
Cd	111	17.122	0.000	0.005426	ug/L
Cd	114	21.229	0.000	0.001241	ug/L
In	115	325946.992	325946.992		ug/L
Sb	121	1073.081	0.002	0.078143	ug/L
Sb	123	740.409	0.001	0.065689	ug/L
Tl	203	64.001	0.000	0.000581	ug/L
Tl	205	139.003	-0.000	0.000146	ug/L
Pb	208	657.018	0.000	0.001284	ug/L
Bi	209	383808.579	383808.579		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	493562.581	493562.581		ug/L
Be	9	7.000	0.000	0.011288	ug/L
V	51	3827.767	-0.000	0.007803	ug/L
Cr	52	11770.809	-0.000	-0.005902	ug/L
Cr	53	720.043	0.000	0.013282	ug/L
Co	59	126.002	0.000	0.002948	ug/L
Cu	63	198.005	0.000	0.001200	ug/L
Cu	65	114.002	0.000	0.004582	ug/L
Zn	66	320.010	0.000	0.005358	ug/L
Zn	68	432.017	0.000	0.003245	ug/L
Ge	72	329638.518	329638.518		ug/L
As	75	486.676	0.000	0.010177	ug/L
Se	77	143.003	0.000	0.005698	ug/L
Se	82	-22.978	0.000	-0.049823	ug/L
Rh	103	422800.284	422800.284		ug/L
Ag	107	110.002	0.000	0.004347	ug/L
Cd	111	7.354	0.000	0.001488	ug/L
Cd	114	10.765	-0.000	-0.000592	ug/L
In	115	321388.898	321388.898		ug/L
Sb	121	1041.088	0.002	0.074170	ug/L
Sb	123	815.877	0.002	0.078549	ug/L
Tl	203	67.001	0.000	0.001056	ug/L
Tl	205	147.003	0.000	0.000380	ug/L
Pb	208	645.018	0.000	0.001304	ug/L
Bi	209	378448.940	378448.940		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	496007.558	496007.558		ug/L
Be	9	4.000	0.000	0.001298	ug/L
V	51	3872.807	0.000	0.000095	ug/L
Cr	52	11798.856	0.000	0.011526	ug/L
Cr	53	705.042	0.000	0.007043	ug/L
Co	59	121.002	0.000	0.002638	ug/L
Cu	63	218.005	0.000	0.002442	ug/L
Cu	65	135.003	0.000	0.012780	ug/L
Zn	66	297.009	0.000	-0.013201	ug/L
Zn	68	436.018	0.000	0.013638	ug/L
Ge	72	325811.199	325811.199		ug/L
As	75	433.128	0.000	0.004032	ug/L
Se	77	154.003	0.000	0.068810	ug/L
Se	82	-1.937	0.000	0.049838	ug/L
Rh	103	421678.099	421678.099		ug/L
Ag	107	108.002	0.000	0.004020	ug/L
Cd	111	12.839	0.000	0.003540	ug/L
Cd	114	8.556	0.000	0.000844	ug/L

Sample ID: 0A27021-CCB
Report Date/Time: Wednesday, January 27, 2010 10:28:34

In	115	314773 249	314773 249		ug/L
Sb	121	936 071	0 002	0 064144	ug/L
Sb	123	732 541	0 001	0 068374	ug/L
Tl	203	56 001	-0 000	-0 000218	ug/L
Tl	205	148 003	0 000	0 000274	ug/L
Pb	208	885 018	0 000	0 001884	ug/L
Bi	209	378571 884	378571 884		ug/L

Sample Information

Sample ID: 0A27021-CRL1
Autosampler Position: 3
Sample Date/Time: Wednesday, January 27, 2010 10:30:45
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-CRL1.011
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	492893.998	492893.998				ug/L
	Be	9	49.667	0.000	0.151259	0.010	6.500	ug/L
	V	51	5998.994	0.006	0.189718	0.009	4.983	ug/L
	Cr	52	13450.120	0.005	0.180430	0.031	17.317	ug/L
	Cr	53	915.401	0.001	0.192016	0.019	9.972	ug/L
	Co	59	2432.439	0.007	0.201366	0.007	3.584	ug/L
	Cu	63	1473.167	0.004	0.215868	0.006	2.746	ug/L
	Cu	65	685.373	0.002	0.213610	0.013	6.184	ug/L
	Zn	66	867.395	0.002	0.349701	0.010	2.753	ug/L
	Zn	68	844.725	0.001	0.362682	0.057	15.764	ug/L
>	Ge	72	328068.268	328068.268				ug/L
	As	75	870.315	0.001	0.212982	0.027	12.481	ug/L
	Se	77	182.004	0.000	0.264059	0.102	38.745	ug/L
	Se	82	57.723	0.000	0.335871	0.272	81.065	ug/L
>	Rh	103	424380.417	424380.417				ug/L
	Ag	107	2268.717	0.005	0.191247	0.009	4.749	ug/L
	Cd	111	505.693	0.001	0.188261	0.016	8.476	ug/L
	Cd	114	1256.475	0.003	0.198755	0.002	0.943	ug/L
>	In	115	316812.732	316812.732				ug/L
	Sb	121	2209.030	0.006	0.213474	0.006	2.707	ug/L
	Sb	123	1681.627	0.004	0.212255	0.005	2.504	ug/L
	Tl	203	1899.272	0.005	0.202602	0.008	3.720	ug/L
	Tl	205	4757.299	0.012	0.214704	0.011	5.152	ug/L
	Pb	208	6963.725	0.017	0.213823	0.006	2.775	ug/L
>	Bi	209	384215.602	384215.602				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.799
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.008
	As	74.922	
	Se	76.920	

	Se	81.917	
>	Rh	102.905	100.410
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.052
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	100.204

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	502011.029	502011.029		ug/L
	Be	9	51.001	0.000	0.152813	ug/L
	V	51	6056.649	0.007	0.195030	ug/L
	Cr	52	13630.128	0.006	0.200018	ug/L
	Cr	53	938.071	0.001	0.212883	ug/L
	Co	59	2387.418	0.007	0.195781	ug/L
	Cu	63	1470.166	0.004	0.215383	ug/L
	Cu	65	709.042	0.002	0.222217	ug/L
	Zn	66	854.080	0.002	0.341474	ug/L
	Zn	66	901.088	0.001	0.412400	ug/L
>	Ge	72	327932.042	327932.042		ug/L
	As	75	846.942	0.001	0.201170	ug/L
	Se	77	165.004	0.000	0.154081	ug/L
	Se	82	39.932	0.000	0.248203	ug/L
>	Rh	103	431480.378	431480.378		ug/L
	Ag	107	2242.374	0.006	0.185704	ug/L
	Cd	111	470.626	0.001	0.172070	ug/L
	Cd	114	1260.534	0.003	0.199243	ug/L
>	In	115	315867.684	315867.684		ug/L
	Sb	121	2256.378	0.006	0.219834	ug/L
	Sb	123	1704.094	0.004	0.218484	ug/L
	Tl	203	1933.281	0.006	0.208980	ug/L
	Tl	206	4748.626	0.012	0.214688	ug/L
	Pb	208	7008.414	0.017	0.216041	ug/L
>	Bi	209	382924.990	382924.990		ug/L

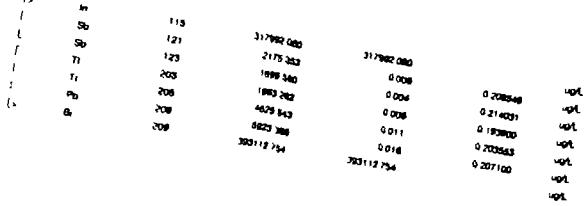
Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	486860.468	486860.468		ug/L
	Be	9	52.001	0.000	0.180343	ug/L
	V	51	5843.450	0.007	0.195320	ug/L
	Cr	52	13339.578	0.006	0.196875	ug/L
	Cr	53	879.083	0.001	0.175212	ug/L
	Co	59	2478.455	0.007	0.209817	ug/L
	Cu	63	1480.168	0.004	0.222022	ug/L
	Cu	65	690.040	0.002	0.220212	ug/L
	Zn	66	867.061	0.002	0.360291	ug/L
	Zn	68	757.048	0.001	0.300211	ug/L
>	Ge	72	321632.003	321632.003		ug/L
	As	75	813.671	0.001	0.243422	ug/L
	Se	77	181.004	0.000	0.281687	ug/L
	Se	82	120.462	0.000	0.641181	ug/L
>	Rh	103	422636.326	422636.326		ug/L
	Ag	107	2203.362	0.006	0.186308	ug/L
	Cd	111	505.311	0.001	0.188742	ug/L
	Cd	114	1261.098	0.003	0.200337	ug/L
>	In	115	316578.452	316578.452		ug/L
	Sb	121	2195.358	0.006	0.212044	ug/L
	Sb	123	1641.198	0.004	0.206280	ug/L
	Tl	203	1901.272	0.005	0.206947	ug/L
	Tl	205	4897.726	0.013	0.225872	ug/L
	Pb	208	6958.394	0.017	0.218329	ug/L
>	Bi	209	376808.080	376808.080		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	487820.498	487820.498		ug/L
	Be	9	46.001	0.000	0.140620	ug/L
	V	51	5998.881	0.008	0.178803	ug/L
	Cr	52	13380.858	0.004	0.144387	ug/L
	Cr	53	929.070	0.001	0.187872	ug/L
	Co	59	2451.448	0.007	0.198791	ug/L
	Cu	63	1469.186	0.004	0.210199	ug/L
	Cu	65	657.037	0.002	0.196400	ug/L
	Zn	66	881.063	0.002	0.347336	ug/L
	Zn	68	876.062	0.001	0.375438	ug/L
>	Ge	72	334640.758	334640.758		ug/L
	As	75	850.334	0.001	0.194352	ug/L
	Se	77	200.005	0.000	0.356416	ug/L
	Se	82	12.774	0.000	0.118230	ug/L
>	Rh	103	419024.548	419024.548		ug/L
	Ag	107	2360.414	0.006	0.201726	ug/L
	Cd	111	541.141	0.001	0.203972	ug/L
	Cd	114	1227.796	0.003	0.196686	ug/L

: 00826



Sample Information

Sample ID: 0A27021-CRL2
Autosampler Position: 4
Sample Date/Time: Wednesday, January 27, 2010 10:34:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-CRL2.012
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	464990.646	464990.646				ug/L
	Be	9	331.344	0.001	1.140497	0.063	5.515	ug/L
	V	51	14817.649	0.031	0.908960	0.052	5.683	ug/L
	Cr	52	21257.477	0.025	0.889687	0.095	10.716	ug/L
	Cr	53	1869.263	0.003	0.955578	0.038	3.964	ug/L
	Co	59	12383.850	0.035	0.996412	0.013	1.314	ug/L
	Cu	63	6058.629	0.017	0.937637	0.017	1.806	ug/L
	Cu	65	3064.688	0.009	1.019319	0.045	4.408	ug/L
	Zn	66	1915.609	0.005	0.938645	0.013	1.414	ug/L
	Zn	68	1622.534	0.003	0.958549	0.034	3.580	ug/L
>	Ge	72	347884.012	347884.012				ug/L
	As	75	2362.725	0.005	0.891107	0.061	6.876	ug/L
	Se	77	323.344	0.000	1.066987	0.061	5.716	ug/L
	Se	82	236.261	0.001	1.115416	0.299	26.797	ug/L
>	Rh	103	396316.271	396316.271				ug/L
	Ag	107	10879.058	0.027	1.003541	0.037	3.705	ug/L
	Cd	111	2659.320	0.007	1.065825	0.047	4.382	ug/L
	Cd	114	6072.007	0.015	1.038269	0.023	2.173	ug/L
>	In	115	339117.469	339117.469				ug/L
	Sb	121	8915.322	0.025	0.934295	0.042	4.540	ug/L
	Sb	123	6620.212	0.019	0.898403	0.010	1.111	ug/L
	Tl	203	9759.094	0.024	1.022896	0.017	1.695	ug/L
	Tl	205	22310.683	0.055	0.988084	0.037	3.767	ug/L
	Pb	208	31063.404	0.076	0.982711	0.031	3.163	ug/L
>	Bi	209	400898.648	400898.648				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	91.319
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.928
	As	74.922	
	Se	76.920	

: 00828

	Se	81.917	
>	Rh	102.905	93.770
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	104.955
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	104.555

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	464157.897	464157.897		ug/L
Be	9	310.010	0.001	1.068220	ug/L
V	51	14801.802	0.029	0.870898	ug/L
Cr	52	20668.030	0.023	0.795482	ug/L
Cr	53	1905.273	0.003	0.961022	ug/L
Co	59	12449.968	0.036	0.968117	ug/L
Cu	63	6050.622	0.017	0.921241	ug/L
Cu	65	2978.661	0.008	0.873388	ug/L
Zn	66	1932.281	0.006	0.931025	ug/L
Zn	68	1627.202	0.003	0.941508	ug/L
Ge	72	353303.191	353303.191		ug/L
As	75	2317.756	0.006	0.852416	ug/L
Se	77	334.011	0.001	1.100856	ug/L
Se	82	287.515	0.001	1.324105	ug/L
Rh	103	391206.220	391206.220		ug/L
Ag	107	11198.881	0.028	1.046248	ug/L
Cd	111	2704.381	0.007	1.097503	ug/L
Cd	114	5880.043	0.015	1.018522	ug/L
In	115	341259.186	341258.186		ug/L
Sb	121	8556.207	0.024	0.898778	ug/L
Sb	123	6581.856	0.018	0.898432	ug/L
Tl	203	9928.993	0.024	1.010186	ug/L
Tl	205	22237.786	0.064	0.956868	ug/L
Pb	208	30944.278	0.073	0.949530	ug/L
Bi	209	412777.008	412777.008		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	454814.574	454814.574		ug/L
Be	9	338.011	0.001	1.162638	ug/L
V	51	14678.415	0.030	0.898236	ug/L
Cr	52	21388.188	0.026	0.887456	ug/L
Cr	53	1834.264	0.003	0.915270	ug/L
Co	59	12412.900	0.036	0.991970	ug/L
Cu	63	6082.859	0.017	0.936809	ug/L
Cu	65	3092.700	0.009	1.021397	ug/L
Zn	66	1954.287	0.006	0.963986	ug/L
Zn	68	1606.197	0.003	0.938090	ug/L
Ge	72	350189.303	350189.303		ug/L
As	75	2311.729	0.006	0.858149	ug/L
Se	77	314.010	0.000	0.996575	ug/L
Se	82	180.848	0.000	0.772998	ug/L
Rh	103	393244.731	393244.731		ug/L
Ag	107	10809.980	0.027	0.985870	ug/L
Cd	111	2684.438	0.007	1.087768	ug/L
Cd	114	6167.397	0.016	1.082980	ug/L
In	115	336654.688	336654.688		ug/L
Sb	121	8815.860	0.026	0.947408	ug/L
Sb	123	6642.147	0.019	0.908386	ug/L
Tl	203	9863.629	0.024	1.015858	ug/L
Tl	205	22086.281	0.058	0.978864	ug/L
Pb	208	31126.845	0.076	0.987453	ug/L
Bi	209	399648.139	399598.139		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	475999.468	475999.468		ug/L
Be	9	348.012	0.001	1.170437	ug/L
V	51	15172.930	0.033	0.987758	ug/L
Cr	52	21726.215	0.028	0.988122	ug/L
Cr	53	1868.263	0.003	0.990441	ug/L
Co	59	12288.686	0.036	1.011150	ug/L
Cu	63	6031.808	0.017	0.966088	ug/L
Cu	65	3122.714	0.009	1.063173	ug/L
Zn	66	1860.261	0.005	0.930944	ug/L
Zn	68	1634.203	0.004	0.998050	ug/L
Ge	72	340158.543	340158.643		ug/L
As	75	2458.681	0.006	0.981758	ug/L
Se	77	322.010	0.001	1.103632	ug/L
Se	82	260.419	0.001	1.249148	ug/L
Rh	103	404497.861	404497.861		ug/L
Ag	107	10630.313	0.027	0.978408	ug/L
Cd	111	2579.141	0.006	1.012183	ug/L
Cd	114	6168.580	0.015	1.033425	ug/L

[	In	115	339438.551	339438.551		ug/L
[	Sb	121	9274.108	0.026	0.972704	ug/L
[	Sb	123	6626.638	0.019	0.888379	ug/L
[	Tl	203	9668.681	0.026	1.042642	ug/L
[	Tl	205	22629.002	0.058	1.029733	ug/L
[	Pb	208	31118.080	0.078	1.011152	ug/L
[	Bi	209	390322.788	390322.788		ug/L

Sample ID: 0A27021-CRL2
Report Date/Time: Wednesday, January 27, 2010 10:36:45

Sample Information

Sample ID: 0A27021-IFA1
Autosampler Position: 10
Sample Date/Time: Wednesday, January 27, 2010 10:38:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-IFA1.013
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	520014.599	520014.599				ug/L
⌊	Be	9	2.667	-0.000	-0.003406	0.006	186.467	ug/L
⌈	V	51	3274.740	-0.002	-0.052645	0.040	76.368	ug/L
|	Cr	52	12310.389	0.002	0.072015	0.004	5.892	ug/L
|	Cr	53	2246.376	0.005	1.413093	0.076	5.353	ug/L
|	Co	59	179.671	0.000	0.007772	0.001	15.862	ug/L
|	Cu	63	1874.932	0.005	0.287666	0.009	3.044	ug/L
|	Cu	65	873.729	0.002	0.285665	0.013	4.459	ug/L
|	Zn	66	2941.302	0.008	1.670760	0.056	3.378	ug/L
|	Zn	68	1911.275	0.005	1.307038	0.054	4.126	ug/L
|>	Ge	72	324552.046	324552.046				ug/L
|	As	75	440.232	0.000	0.000348	0.013	3713.326	ug/L
|	Se	77	296.009	0.000	1.030003	0.146	14.182	ug/L
⌊	Se	82	24.192	0.000	0.175107	0.140	79.797	ug/L
⌈>	Rh	103	391733.075	391733.075				ug/L
|	Ag	107	371.681	0.001	0.029552	0.009	29.536	ug/L
|	Cd	111	62.086	0.000	0.024194	0.032	130.294	ug/L
⌊	Cd	114	2273.202	0.006	0.391846	0.011	2.807	ug/L
⌈>	In	115	299125.279	299125.279				ug/L
|	Sb	121	596.364	0.001	0.027692	0.002	7.295	ug/L
⌊	Sb	123	484.683	0.001	0.034235	0.004	12.714	ug/L
⌈	Tl	203	96.335	0.000	0.004637	0.001	22.844	ug/L
|	Tl	205	231.339	0.000	0.004647	0.001	14.673	ug/L
|	Pb	208	933.699	0.001	0.012076	0.000	1.646	ug/L
⌊>	Bi	209	366785.986	366785.986				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	102.125
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.957
|	As	74.922	
|	Se	76.920	

: 00831

	Se	81.917	
>	Rh	102.905	92.686
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	92.578
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	95.658

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	522717.241	522717.241		ug/L
	Be	9	2.000	0.000	-0.005466	ug/L
	V	51	2688.749	0.003	-0.089770	ug/L
	Cr	52	12410.897	0.002	0.073175	ug/L
	Cr	53	2180.356	0.006	1.338243	ug/L
	Co	59	196.006	0.000	0.009076	ug/L
	Cu	63	1843.258	0.006	0.279878	ug/L
	Cu	65	920.088	0.003	0.300372	ug/L
	Zn	66	2858.801	0.008	1.606811	ug/L
	Zn	68	1960.298	0.006	1.328818	ug/L
>	Ge	72	328816.011	328816.011		ug/L
	As	75	449.113	0.000	0.003238	ug/L
	Se	77	298.008	0.000	1.008807	ug/L
	Se	82	-5.981	0.000	0.030534	ug/L
>	Rh	103	399038.203	399038.203		ug/L
	Ag	107	485.021	0.001	0.038438	ug/L
	Cd	111	-22.810	0.000	0.010386	ug/L
	Cd	114	2301.800	0.008	0.389484	ug/L
>	In	115	301437.308	301437.308		ug/L
	Sb	121	607.032	0.001	0.028444	ug/L
	Sb	123	519.521	0.001	0.038233	ug/L
	Tl	203	102.002	0.000	0.005180	ug/L
	Tl	205	250.007	0.000	0.008428	ug/L
	Pb	208	949.033	0.001	0.012254	ug/L
>	Bi	209	370812.216	370812.216		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	526321.017	526321.017		ug/L
	Be	9	5.000	0.000	0.003717	ug/L
	V	51	3187.514	0.002	0.058219	ug/L
	Cr	52	12240.802	0.002	0.075558	ug/L
	Cr	53	2311.397	0.006	1.466513	ug/L
	Co	59	165.004	0.000	0.008624	ug/L
	Cu	63	1914.276	0.006	0.297148	ug/L
	Cu	65	846.058	0.002	0.278118	ug/L
	Zn	66	2955.645	0.008	1.701710	ug/L
	Zn	68	1940.283	0.006	1.348871	ug/L
>	Ge	72	321856.798	321856.798		ug/L
	As	75	408.743	0.000	-0.013761	ug/L
	Se	77	317.010	0.001	1.185520	ug/L
	Se	82	26.182	0.000	0.185356	ug/L
>	Rh	103	386857.673	386857.673		ug/L
	Ag	107	332.011	0.001	0.026313	ug/L
	Cd	111	80.167	0.000	0.031639	ug/L
	Cd	114	2313.512	0.008	0.403845	ug/L
>	In	115	297833.053	297833.053		ug/L
	Sb	121	606.032	0.001	0.029228	ug/L
	Sb	123	469.887	0.001	0.032186	ug/L
	Tl	203	101.002	0.000	0.005333	ug/L
	Tl	205	222.006	0.000	0.004346	ug/L
	Pb	208	922.031	0.001	0.012113	ug/L
>	Bi	209	361801.205	361801.205		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	511008.538	511008.538		ug/L
	Be	9	1.000	0.000	-0.008479	ug/L
	V	51	3747.957	0.000	0.009846	ug/L
	Cr	52	12279.888	0.002	0.097312	ug/L
	Cr	53	2247.376	0.006	1.411524	ug/L
	Co	59	178.004	0.000	0.007618	ug/L
	Cu	63	1867.263	0.006	0.285873	ug/L
	Cu	65	858.060	0.002	0.278508	ug/L
	Zn	66	2998.858	0.008	1.704966	ug/L
	Zn	68	1943.256	0.004	1.245628	ug/L
>	Ge	72	324883.329	324883.329		ug/L
	As	75	462.840	0.000	0.011585	ug/L
	Se	77	276.008	0.000	0.895683	ug/L
	Se	82	52.358	0.000	0.309431	ug/L
>	Rh	103	389303.348	389303.348		ug/L
	Ag	107	298.008	0.001	0.022907	ug/L
	Cd	111	126.901	0.000	0.051330	ug/L
	Cd	114	2204.284	0.006	0.382240	ug/L

: 00832

[	In	115	298105 478	298105 478		ug/L
[	Sb	121	576 029	0 001	0 025403	ug/L
[	Sb	123	464 642	0 001	0 031276	ug/L
[	Tl	203	88 001	0 000	0 003418	ug/L
[	Tl	205	222 008	0 000	0 004188	ug/L
[	Pb	208	930 033	0 001	0 011862	ug/L
[	Bi	209	387744 535	387744 535		ug/L

Sample Information

Sample ID: 0A27021-IFB1
Autosampler Position: 11
Sample Date/Time: Wednesday, January 27, 2010 10:43:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-IFB1.014
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	486984.335	486984.335				ug/L
	Be	9	6404.269	0.013	21.256008	0.849	3.995	ug/L
	V	51	218796.518	0.625	18.481930	0.255	1.377	ug/L
	Cr	52	189871.083	0.517	18.209712	0.069	0.377	ug/L
	Cr	53	24529.647	0.069	20.468644	0.678	3.314	ug/L
	Co	59	234121.425	0.681	19.215463	0.288	1.498	ug/L
	Cu	63	112564.967	0.327	18.262481	0.416	2.279	ug/L
	Cu	65	53437.067	0.155	18.604045	0.363	1.950	ug/L
	Zn	66	35267.203	0.102	20.934846	0.241	1.153	ug/L
	Zn	68	24164.049	0.069	19.663180	0.246	1.249	ug/L
>	Ge	72	343504.278	343504.278				ug/L
	As	75	41204.916	0.119	19.419915	0.359	1.848	ug/L
	Se	77	3399.176	0.009	20.261385	0.405	1.999	ug/L
	Se	82	4127.583	0.012	18.738987	0.386	2.060	ug/L
>	Rh	103	369648.024	369648.024				ug/L
	Ag	107	211357.690	0.572	21.004036	0.282	1.345	ug/L
	Cd	111	51330.494	0.139	22.079135	0.511	2.314	ug/L
	Cd	114	115522.887	0.313	21.230778	0.445	2.095	ug/L
>	In	115	310483.196	310483.196				ug/L
	Sb	121	160260.979	0.515	19.206428	0.558	2.903	ug/L
	Sb	123	126052.641	0.405	19.551586	0.176	0.898	ug/L
	Tl	203	187358.084	0.484	20.481282	0.094	0.461	ug/L
	Tl	205	441105.575	1.141	20.371345	0.494	2.423	ug/L
	Pb	208	580843.428	1.501	19.429456	0.251	1.291	ug/L
>	Bi	209	386598.175	386598.175				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.639
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.619
	As	74.922	
	Se	76.920	

Se	81.917		
Rh	102.905	87.460	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	96.093	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	100.825	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A27021-IFB1	Cd	111	

OK

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	491409.445	491408.445		ug/L
Be	9	6172.728	0.013	20.297543	ug/L
V	51	220500.249	0.634	18.749721	ug/L
Cr	52	189138.276	0.518	18.258423	ug/L
Cr	53	24877.802	0.070	20.730868	ug/L
Co	59	226747.299	0.670	18.886318	ug/L
Cu	63	114547.305	0.338	18.702632	ug/L
Cu	65	53526.339	0.157	18.755620	ug/L
Zn	66	35436.038	0.103	21.171693	ug/L
Zn	68	24244.317	0.070	19.858888	ug/L
Ge	72	341308.384	341308.384		ug/L
As	75	41708.389	0.121	19.788413	ug/L
Se	77	3368.828	0.009	20.214676	ug/L
Se	82	4013.464	0.012	18.341078	ug/L
Rh	103	379128.138	379128.138		ug/L
Ag	107	213502.984	0.563	20.683008	ug/L
Cd	111	51325.309	0.135	21.516871	ug/L
Cd	114	115984.686	0.306	20.771998	ug/L
In	115	305480.888	305480.888		ug/L
Sb	121	152458.398	0.498	18.974262	ug/L
Sb	123	122794.856	0.401	19.359143	ug/L
Tl	203	189501.725	0.464	20.470327	ug/L
Tl	205	487532.185	1.168	20.882543	ug/L
Pb	208	579062.232	1.479	19.139027	ug/L
Bi	209	391220.988	391220.988		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	481361.574	481361.574		ug/L
Be	9	6528.047	0.014	21.914929	ug/L
V	51	218518.140	0.624	18.452897	ug/L
Cr	52	189148.543	0.515	18.131420	ug/L
Cr	53	25128.374	0.071	20.978916	ug/L
Co	59	235118.300	0.684	19.294388	ug/L
Cu	63	112270.581	0.328	18.209003	ug/L
Cu	65	52281.009	0.152	18.190091	ug/L
Zn	66	35291.321	0.102	20.943779	ug/L
Zn	68	23838.948	0.068	19.387516	ug/L
Ge	72	343577.473	343577.473		ug/L
As	75	41184.188	0.119	19.404348	ug/L
Se	77	3336.814	0.009	19.881691	ug/L
Se	82	4133.671	0.012	18.764174	ug/L
Rh	103	368783.088	368783.088		ug/L
Ag	107	213011.612	0.577	21.214292	ug/L
Cd	111	51523.363	0.140	22.205751	ug/L
Cd	114	115450.956	0.313	21.260033	ug/L
In	115	311912.932	311912.932		ug/L
Sb	121	162710.979	0.520	19.416553	ug/L
Sb	123	127602.185	0.408	19.702981	ug/L
Tl	203	185832.144	0.487	20.560856	ug/L
Tl	205	434561.448	1.138	20.334113	ug/L
Pb	208	577913.494	1.513	19.583680	ug/L
Bi	209	381589.268	381589.268		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	488181.987	488181.987		ug/L
Be	9	6512.032	0.013	21.555652	ug/L
V	51	217371.165	0.617	18.243171	ug/L
Cr	52	191326.430	0.518	18.238294	ug/L
Cr	53	23782.765	0.067	19.698358	ug/L
Co	59	238498.676	0.690	19.455685	ug/L
Cu	63	110877.033	0.320	17.975608	ug/L
Cu	65	54523.851	0.157	18.866425	ug/L
Zn	66	35074.253	0.101	20.689088	ug/L
Zn	68	24410.885	0.069	19.743138	ug/L
Ge	72	345628.998	345628.998		ug/L
As	75	40722.161	0.116	19.058985	ug/L
Se	77	3488.887	0.010	20.687788	ug/L
Se	82	4235.613	0.012	19.111710	ug/L
Rh	103	361034.845	361034.845		ug/L
Ag	107	207558.498	0.575	21.114808	ug/L
Cd	111	51142.782	0.142	22.514782	ug/L

Sample ID: 0A27021-IFB1
Report Date/Time: Wednesday, January 27, 2010 10:44:57

L	Cd	114	115153 040	0 319	21 880304	ug/L
S>	In	115	314055 788	314055 788		ug/L
I	Sb	121	165812 581	0 526	19 628486	ug/L
L	Sb	123	127780 871	0 408	19 562534	ug/L
I	Tl	203	188740 384	0 482	20 382883	ug/L
I	Tl	205	431233 093	1 114	19 887378	ug/L
>	Pb	208	585624 868	1 511	19 564881	ug/L
I>	Bi	209	386984 262	386984 262		ug/L

Sample Information

Sample ID: 0A27021-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, January 27, 2010 10:47:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-CCV.015
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	509443.606	509443.606				ug/L
	Be	9	11899.356	0.023	37.758409	0.661	1.749	ug/L
	V	51	427021.858	1.305	38.570282	0.535	1.387	ug/L
	Cr	52	378986.254	1.133	39.901014	0.397	0.994	ug/L
	Cr	53	44219.600	0.134	39.645289	0.663	1.671	ug/L
	Co	59	452622.723	1.395	39.351447	0.325	0.826	ug/L
	Cu	63	236647.790	0.729	40.699995	0.545	1.338	ug/L
	Cu	65	110077.178	0.339	40.630667	0.581	1.429	ug/L
	Zn	66	64909.995	0.199	40.985729	0.696	1.699	ug/L
	Zn	68	47483.146	0.145	41.320577	0.914	2.211	ug/L
>	Ge	72	324363.271	324363.271				ug/L
	As	75	83880.303	0.257	42.121207	0.708	1.681	ug/L
	Se	77	6111.341	0.018	39.415739	0.623	1.582	ug/L
	Se	82	8421.477	0.026	40.426970	0.946	2.341	ug/L
>	Rh	103	412327.657	412327.657				ug/L
	Ag	107	444516.628	1.078	39.605446	1.305	3.296	ug/L
	Cd	111	100000.211	0.243	38.552952	0.916	2.375	ug/L
	Cd	114	239938.511	0.582	39.520017	0.179	0.453	ug/L
>	In	115	308307.488	308307.488				ug/L
	Sb	121	323118.249	1.047	39.062226	0.913	2.338	ug/L
	Sb	123	249389.237	0.808	39.014816	1.884	4.828	ug/L
	Tl	203	354022.067	0.948	40.059726	0.612	1.527	ug/L
	Tl	205	909126.115	2.433	43.465384	0.096	0.220	ug/L
	Pb	208	1177280.189	3.150	40.776456	0.478	1.172	ug/L
>	Bi	209	373539.075	373539.075				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.049
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.901
	As	74.922	
	Se	76.920	

00837

Se	81.917		
Rh	102.905	97.559	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	95.419	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	97.420	

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	515625.518	515625.518		ug/L
Be	9	11824.898	0.023	37.066834	ug/L
V	51	418180.212	1.285	37.984300	ug/L
Cr	52	381717.872	1.145	40.334730	ug/L
Cr	53	43266.072	0.132	38.908801	ug/L
Co	59	454106.519	1.404	39.612227	ug/L
Cu	63	238803.880	0.738	41.223532	ug/L
Cu	65	111138.046	0.343	41.157381	ug/L
Zn	66	63444.147	0.195	40.191475	ug/L
Zn	68	48510.666	0.149	42.382414	ug/L
Ge	72	323286.244	323286.244		ug/L
As	75	84121.735	0.258	42.382056	ug/L
Se	77	6107.671	0.018	39.523754	ug/L
Se	82	8609.856	0.027	41.484758	ug/L
Rh	103	416356.004	416356.004		ug/L
Ag	107	434788.103	1.044	38.367988	ug/L
Cd	111	98270.822	0.238	37.514884	ug/L
Cd	114	242336.792	0.582	39.528832	ug/L
In	115	310995.018	310995.018		ug/L
Sb	121	317583.726	1.020	38.054326	ug/L
Sb	123	239095.684	0.768	37.086242	ug/L
Tl	203	350708.793	0.941	39.766663	ug/L
Tl	205	905148.494	2.428	43.366886	ug/L
Pb	208	1160230.686	3.189	41.277108	ug/L
Bi	209	372756.623	372756.623		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	509480.130	509480.130		ug/L
Be	9	11923.052	0.023	37.825598	ug/L
V	51	427111.856	1.309	38.694138	ug/L
Cr	52	377089.424	1.130	39.811806	ug/L
Cr	53	44291.338	0.135	39.830721	ug/L
Co	59	447119.760	1.383	38.987214	ug/L
Cu	63	236188.072	0.730	40.740018	ug/L
Cu	65	110019.923	0.340	40.726730	ug/L
Zn	66	65172.821	0.201	41.275251	ug/L
Zn	68	46819.081	0.144	40.943987	ug/L
Ge	72	323414.876	323414.876		ug/L
As	75	84707.717	0.261	42.661763	ug/L
Se	77	6178.733	0.019	39.979073	ug/L
Se	82	8351.194	0.026	40.204843	ug/L
Rh	103	410083.171	410083.171		ug/L
Ag	107	440828.907	1.075	39.488673	ug/L
Cd	111	100362.598	0.248	38.867424	ug/L
Cd	114	239675.098	0.584	39.694813	ug/L
In	115	308721.616	309721.616		ug/L
Sb	121	326800.035	1.053	39.297128	ug/L
Sb	123	251502.143	0.811	39.152364	ug/L
Tl	203	352181.787	0.938	39.648804	ug/L
Tl	205	913893.458	2.434	43.473314	ug/L
Pb	208	1161801.547	3.148	40.726953	ug/L
Bi	209	375429.313	375429.313		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	503225.168	503225.168		ug/L
Be	9	11950.107	0.024	38.382787	ug/L
V	51	434773.504	1.320	39.032407	ug/L
Cr	52	378171.465	1.123	39.556507	ug/L
Cr	53	45101.391	0.138	40.195345	ug/L
Co	59	456642.868	1.398	39.454900	ug/L
Cu	63	234841.408	0.719	40.136437	ug/L
Cu	65	109073.566	0.334	40.007681	ug/L
Zn	66	66113.216	0.202	41.490461	ug/L
Zn	68	47019.721	0.143	40.656360	ug/L
Ge	72	326388.694	326388.694		ug/L
As	75	82811.457	0.252	41.319803	ug/L
Se	77	6047.620	0.018	38.745380	ug/L
Se	82	8303.381	0.025	39.811312	ug/L
Rh	103	410564.798	410564.798		ug/L
Ag	107	457837.873	1.115	40.961678	ug/L
Cd	111	101377.216	0.247	39.246577	ug/L
Cd	114	237804.144	0.579	39.336807	ug/L

: 00838

I>	In	115	304208.630	304208.630		ug/L
I	Sb	121	325170.987	1.068	39.835228	ug/L
I	Sb	123	257569.906	0.848	40.825852	ug/L
I	Tl	203	358177.620	0.984	40.762910	ug/L
I	Tl	205	908309.393	2.439	43.556861	ug/L
I	Pb	208	1160808.356	3.115	40.325308	ug/L
I>	Bi	209	372431.291	372431.291		ug/L

Sample ID: 0A27021-CCV
Report Date/Time: Wednesday, January 27, 2010 10:49:02

Sample Information

Sample ID: 0A27021-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, January 27, 2010 10:55:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-CCB.016
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	502501.813	502501.813				ug/L
	Be	9	2.000	-0.000	-0.005206	0.000	2.093	ug/L
	V	51	3570.166	-0.001	-0.033298	0.019	58.164	ug/L
	Cr	52	11030.955	-0.003	-0.094949	0.025	26.407	ug/L
	Cr	53	833.390	0.000	0.108475	0.013	11.613	ug/L
	Co	59	104.668	0.000	0.001053	0.001	102.269	ug/L
	Cu	63	220.006	0.000	0.002041	0.001	26.178	ug/L
	Cu	65	114.669	0.000	0.004418	0.005	105.882	ug/L
	Zn	66	316.677	0.000	0.001526	0.009	612.351	ug/L
	Zn	68	452.686	0.000	0.017893	0.024	133.788	ug/L
>	Ge	72	332412.302	332412.302				ug/L
	As	75	534.691	0.000	0.041330	0.036	87.178	ug/L
	Se	77	150.670	0.000	0.046978	0.069	147.787	ug/L
	Se	82	27.138	0.000	0.184756	0.106	57.551	ug/L
>	Rh	103	422975.505	422975.505				ug/L
	Ag	107	85.335	0.000	0.002191	0.001	27.842	ug/L
	Cd	111	9.548	0.000	0.002299	0.001	41.750	ug/L
	Cd	114	20.308	0.000	0.000947	0.001	85.345	ug/L
>	In	115	316526.166	316526.166				ug/L
	Sb	121	855.393	0.001	0.054142	0.006	11.000	ug/L
	Sb	123	637.988	0.001	0.053332	0.003	5.621	ug/L
	Tl	203	53.667	-0.000	-0.000512	0.001	148.515	ug/L
	Tl	205	117.002	-0.000	-0.001135	0.000	5.209	ug/L
	Pb	208	641.351	0.000	0.000896	0.001	57.403	ug/L
>	Bi	209	381439.986	381439.986				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.686
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.306
	As	74.922	
	Se	76.920	

	Se	81.917	
>	Rh	102.905	100.078
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	97.963
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	99.480

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	509538.123	509538.123		ug/L
	Be	9	2.000	-0.000	-0.005298	ug/L
	V	51	3481.008	-0.002	-0.044366	ug/L
	Cr	52	11083.672	0.003	-0.098158	ug/L
	Cr	53	850.069	0.000	0.120389	ug/L
	Co	59	93.002	0.000	0.000026	ug/L
	Cu	63	219.006	0.000	0.001729	ug/L
	Cu	65	121.002	0.000	0.008682	ug/L
	Zn	66	304.010	-0.000	-0.005987	ug/L
	Zn	68	472.020	0.000	0.032765	ug/L
>	Ge	72	333873.016	333873.016		ug/L
	As	75	580.286	0.000	0.063049	ug/L
	Se	77	141.003	0.000	-0.018446	ug/L
	Se	82	26.900	0.000	0.193642	ug/L
>	Rh	103	428968.030	428968.030		ug/L
	Ag	107	89.001	0.000	0.002407	ug/L
	Cd	111	7.223	0.000	0.001377	ug/L
	Cd	114	15.939	0.000	0.000201	ug/L
>	In	115	313008.188	313008.188		ug/L
	Sb	121	870.082	0.002	0.057029	ug/L
	Sb	123	637.667	0.001	0.054376	ug/L
	Tl	203	80.001	0.000	0.000283	ug/L
	Tl	205	116.002	-0.000	-0.001116	ug/L
	Pb	208	642.017	0.000	0.001181	ug/L
>	Bi	209	376798.680	376798.680		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	493124.840	493124.840		ug/L
	Be	9	2.000	-0.000	-0.005086	ug/L
	V	51	3760.388	-0.000	-0.010838	ug/L
	Cr	52	11088.711	-0.002	-0.089292	ug/L
	Cr	53	821.066	0.000	0.109748	ug/L
	Co	59	116.002	0.000	0.002173	ug/L
	Cu	63	220.008	0.000	0.002566	ug/L
	Cu	65	98.002	-0.000	-0.000980	ug/L
	Zn	66	309.010	0.000	0.000040	ug/L
	Zn	68	480.019	0.000	0.030640	ug/L
>	Ge	72	326908.733	326908.733		ug/L
	As	75	442.115	-0.000	-0.000281	ug/L
	Se	77	147.003	0.000	0.039688	ug/L
	Se	82	3.243	0.000	0.074307	ug/L
>	Rh	103	424331.549	424331.549		ug/L
	Ag	107	91.001	0.000	0.002693	ug/L
	Cd	111	9.414	0.000	0.002227	ug/L
	Cd	114	19.721	0.000	0.000834	ug/L
>	In	115	319361.391	319361.391		ug/L
	Sb	121	897.086	0.002	0.058111	ug/L
	Sb	123	658.156	0.001	0.056698	ug/L
	Tl	203	53.001	-0.000	-0.000543	ug/L
	Tl	205	117.002	-0.000	-0.001088	ug/L
	Pb	208	645.019	0.000	0.001205	ug/L
>	Bi	209	378149.338	378149.338		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	504841.474	504841.474		ug/L
	Be	9	2.000	-0.000	-0.005237	ug/L
	V	51	3488.108	-0.002	-0.044803	ug/L
	Cr	52	10940.481	0.003	-0.119396	ug/L
	Cr	53	829.066	0.000	0.095290	ug/L
	Co	59	105.002	0.000	0.000981	ug/L
	Cu	63	221.008	0.000	0.001738	ug/L
	Cu	65	125.002	0.000	0.007821	ug/L
	Zn	66	337.011	0.000	0.011526	ug/L
	Zn	68	426.017	0.000	0.009722	ug/L
>	Ge	72	336664.156	336664.156		ug/L
	As	75	581.673	0.000	0.081203	ug/L
	Se	77	164.004	0.000	0.119813	ug/L
	Se	82	49.269	0.000	0.286418	ug/L
>	Rh	103	415636.936	415636.936		ug/L
	Ag	107	76.001	0.000	0.001502	ug/L
	Cd	111	12.007	0.000	0.003292	ug/L
	Cd	114	25.266	0.000	0.001808	ug/L

Sample ID: 0A27021-CCB
Report Date/Time: Wednesday, January 27, 2010 10:57:35

[>	In	115	317210 922	317210 922		ug/L
[	Sb	121	799 053	0 001	0 047283	ug/L
[	Sb	123	617 152	0 001	0 049862	ug/L
[	Tl	203	48 001	-0 000	-0 001257	ug/L
[	Tl	205	118 002	-0 000	-0 001202	ug/L
[	Pb	208	637 017	0 000	0 000302	ug/L
[>	Bi	209	389371 940	389371 940		ug/L

Sample ID: 0A27021-CCB
Report Date/Time: Wednesday, January 27, 2010 10:57:35

Sample Information

Sample ID: 1000574-BLK1
Autosampler Position: 17
Sample Date/Time: Wednesday, January 27, 2010 10:59:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\1000574-BLK1.017
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	505420.944	505420.944				ug/L
⌊	Be	9	2.000	-0.000	-0.005233	0.009	162.822	ug/L
⌈	V	51	4031.575	0.000	0.006185	0.022	356.876	ug/L
|	Cr	52	11976.153	-0.000	-0.000189	0.031	16548.823	ug/L
|	Cr	53	827.390	0.000	0.099785	0.027	26.701	ug/L
|	Co	59	120.002	0.000	0.002299	0.001	53.500	ug/L
|	Cu	63	337.345	0.000	0.021519	0.004	17.118	ug/L
|	Cu	65	170.337	0.000	0.024294	0.004	14.787	ug/L
|	Zn	66	2664.524	0.007	1.447844	0.034	2.375	ug/L
⌊	Zn	68	2249.710	0.005	1.549230	0.027	1.767	ug/L
⌈>	Ge	72	333830.684	333830.684				ug/L
|	As	75	432.001	-0.000	-0.009799	0.018	179.393	ug/L
|	Se	77	152.336	0.000	0.054146	0.060	110.753	ug/L
⌊	Se	82	3.565	0.000	0.074870	0.119	159.012	ug/L
⌈>	Rh	103	429076.471	429076.471				ug/L
|	Ag	107	73.668	0.000	0.001084	0.001	87.750	ug/L
|	Cd	111	7.767	0.000	0.001568	0.002	101.492	ug/L
⌊	Cd	114	26.313	0.000	0.001839	0.000	21.347	ug/L
⌈>	In	115	318272.949	318272.949				ug/L
|	Sb	121	658.037	0.001	0.030441	0.003	8.667	ug/L
⌊	Sb	123	531.811	0.001	0.036679	0.005	12.550	ug/L
⌈	Tl	203	60.668	0.000	0.000239	0.001	252.374	ug/L
|	Tl	205	141.336	-0.000	-0.000015	0.000	1080.906	ug/L
|	Pb	208	1083.042	0.001	0.015779	0.001	8.283	ug/L
⌊>	Bi	209	382507.055	382507.055				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	99.259
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
⌈>	Ge	71.922	99.729
|	As	74.922	
|	Se	76.920	

: 00843

	Se	81.917	
>	Rh	102.905	101.522
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.504
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	99.758

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	500417.840	500417.840		ug/L
Be	9	0.000	-0.000	0.011643	ug/L
V	51	4220.013	0.001	0.028877	ug/L
Cr	52	12142.433	0.001	0.031730	ug/L
Cr	53	784.051	0.000	0.099513	ug/L
Co	59	106.002	0.000	0.001222	ug/L
Cu	63	340.011	0.000	0.022567	ug/L
Cu	65	177.004	0.000	0.027387	ug/L
Zn	66	2570.488	0.007	1.408144	ug/L
Zn	68	2248.378	0.006	1.569757	ug/L
Ge	72	330072.341	330072.341		ug/L
As	75	447.388	0.000	0.000224	ug/L
Se	77	161.003	0.000	0.121151	ug/L
Se	82	8.149	0.000	0.020498	ug/L
Rh	103	423440.952	423440.952		ug/L
Ag	107	60.001	0.000	-0.000010	ug/L
Cd	111	5.983	0.000	0.000948	ug/L
Cd	114	23.168	0.000	0.001392	ug/L
In	115	318678.571	318678.571		ug/L
Sb	121	677.038	0.001	0.032575	ug/L
Sb	123	544.148	0.001	0.038462	ug/L
Tl	203	62.001	0.000	0.000327	ug/L
Tl	205	139.003	0.000	0.000178	ug/L
Pb	208	1054.040	0.001	0.014498	ug/L
Bi	209	385703.699	385703.699		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	513048.564	513048.564		ug/L
Be	9	1.000	-0.000	-0.008481	ug/L
V	51	4085.663	0.000	0.008580	ug/L
Cr	52	11982.161	-0.000	0.001497	ug/L
Cr	53	840.058	0.000	0.110188	ug/L
Co	59	136.003	0.000	0.003839	ug/L
Cu	63	356.012	0.000	0.024544	ug/L
Cu	65	173.004	0.000	0.025143	ug/L
Zn	66	2698.537	0.007	1.488773	ug/L
Zn	68	2265.382	0.006	1.550794	ug/L
Ge	72	334288.698	334288.698		ug/L
As	75	391.174	-0.000	-0.030097	ug/L
Se	77	145.003	0.000	0.005614	ug/L
Se	82	-14.228	0.000	-0.007269	ug/L
Rh	103	429315.584	429315.584		ug/L
Ag	107	79.001	0.000	0.001545	ug/L
Cd	111	4.539	0.000	0.000381	ug/L
Cd	114	27.337	0.000	0.002002	ug/L
In	115	319784.119	319784.119		ug/L
Sb	121	668.038	0.001	0.031256	ug/L
Sb	123	557.020	0.001	0.040125	ug/L
Tl	203	55.001	-0.000	-0.000403	ug/L
Tl	205	145.003	0.000	0.000141	ug/L
Pb	208	1125.046	0.001	0.017112	ug/L
Bi	209	383374.152	383374.152		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	502786.429	502786.429		ug/L
Be	9	5.000	0.000	0.004436	ug/L
V	51	3808.080	0.001	-0.018980	ug/L
Cr	52	11803.863	0.001	-0.030798	ug/L
Cr	53	858.080	0.000	0.119873	ug/L
Co	59	118.002	0.000	0.002038	ug/L
Cu	63	316.010	0.000	0.017417	ug/L
Cu	65	161.003	0.000	0.020384	ug/L
Zn	66	2724.547	0.007	1.468814	ug/L
Zn	68	2235.372	0.006	1.516139	ug/L
Ge	72	337134.016	337134.016		ug/L
As	75	457.460	0.000	0.000478	ug/L
Se	77	151.003	0.000	0.035772	ug/L
Se	82	33.073	0.000	0.211402	ug/L
Rh	103	434472.877	434472.877		ug/L
Ag	107	82.001	0.000	0.001718	ug/L
Cd	111	12.779	0.000	0.003378	ug/L
Cd	114	26.446	0.000	0.002124	ug/L

: 00844

[>	In	115	316378.161	316378.161		ug/L
[	Sb	121	529.034	0.001	0.027491	ug/L
[	Sb	123	494.267	0.001	0.031451	ug/L
[	Tl	203	65.001	0.000	0.000793	ug/L
[	Tl	205	140.003	0.000	0.000007	ug/L
[	Pb	208	1070.042	0.001	0.015725	ug/L
[>	Bi	209	378443.313	378443.313		ug/L

Sample ID: 1000574-BLK1
Report Date/Time: Wednesday, January 27, 2010 11:01:40

Sample Information

Sample ID: 1000574-BS1
Autosampler Position: 18
Sample Date/Time: Wednesday, January 27, 2010 11:03:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\1000574-BS1.018
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	494061.904	494061.904				ug/L
⌊	Be	9	3225.094	0.007	10.555886	0.588	5.566	ug/L
⌈	V	51	119627.961	0.334	9.871366	0.213	2.155	ug/L
|	Cr	52	115509.041	0.298	10.496573	0.200	1.907	ug/L
|	Cr	53	12464.993	0.034	10.010238	0.124	1.240	ug/L
|	Co	59	128604.016	0.371	10.473349	0.023	0.220	ug/L
|	Cu	63	63373.909	0.183	10.194280	0.398	3.902	ug/L
|	Cu	65	31436.675	0.091	10.851816	0.294	2.713	ug/L
|	Zn	66	20716.539	0.059	12.127934	0.285	2.353	ug/L
|	Zn	68	16062.205	0.045	12.850632	0.386	3.006	ug/L
|>	Ge	72	346097.168	346097.168				ug/L
|	As	75	21454.059	0.061	9.933776	0.423	4.259	ug/L
|	Se	77	1750.232	0.005	9.904566	0.356	3.598	ug/L
⌊	Se	82	2160.207	0.006	9.768154	0.583	5.965	ug/L
⌈>	Rh	103	413798.107	413798.107				ug/L
|	Ag	107	112851.026	0.273	10.016026	0.170	1.699	ug/L
|	Cd	111	26057.874	0.063	10.013140	0.319	3.184	ug/L
⌊	Cd	114	63474.567	0.153	10.418562	0.234	2.242	ug/L
⌈>	In	115	335683.566	335683.566				ug/L
|	Sb	121	90374.416	0.268	10.002384	0.292	2.916	ug/L
⌊	Sb	123	66462.960	0.197	9.518878	0.379	3.987	ug/L
⌈	Tl	203	97760.463	0.254	10.731278	0.238	2.220	ug/L
|	Tl	205	232081.059	0.603	10.771381	0.510	4.738	ug/L
|	Pb	208	323716.702	0.840	10.870105	0.260	2.388	ug/L
⌊>	Bi	209	384899.973	384899.973				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.029
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	103.394
|	As	74.922	
|	Se	76.920	

: 00846

Se	81.917		
Rh	102.905	97.907	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	103.892	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	100.383	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	477138.856	477138.856		ug/L
Be	9	3256.775	0.007	11.024107	ug/L
V	51	120314.829	0.330	9.756342	ug/L
Cr	52	115271.830	0.292	10.277390	ug/L
Cr	53	12683.396	0.034	10.026182	ug/L
Co	59	130833.643	0.372	10.479867	ug/L
Cu	63	62423.201	0.177	9.869800	ug/L
Cu	65	31303.757	0.089	10.623808	ug/L
Zn	66	20699.186	0.058	11.911436	ug/L
Zn	68	15788.586	0.044	12.408140	ug/L
Ge	72	351868.916	351868.916		ug/L
As	75	20983.203	0.058	9.532777	ug/L
Se	77	1720.224	0.004	9.543344	ug/L
Se	82	2045.333	0.006	9.096137	ug/L
Rh	103	408780.682	408780.682		ug/L
Ag	107	111374.681	0.272	10.003879	ug/L
Cd	111	26115.012	0.064	10.153173	ug/L
Cd	114	62169.291	0.152	10.330288	ug/L
In	115	342934.849	342934.849		ug/L
Sb	121	89358.368	0.258	9.675302	ug/L
Sb	123	65437.666	0.190	9.166709	ug/L
Tl	203	98852.308	0.250	10.582273	ug/L
Tl	205	225718.156	0.572	10.208234	ug/L
Pb	208	324352.719	0.820	10.617914	ug/L
Bi	209	394851.221	394851.221		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	493038.152	493038.152		ug/L
Be	9	3280.788	0.007	10.746870	ug/L
V	51	119163.680	0.329	9.739036	ug/L
Cr	52	117014.847	0.298	10.542502	ug/L
Cr	53	12421.916	0.033	9.878883	ug/L
Co	59	129431.428	0.370	10.447777	ug/L
Cu	63	63227.234	0.180	10.074946	ug/L
Cu	65	31425.260	0.090	10.747743	ug/L
Zn	66	20726.234	0.058	12.020999	ug/L
Zn	68	16421.018	0.046	13.022746	ug/L
Ge	72	349188.126	349188.126		ug/L
As	75	21589.823	0.060	9.892650	ug/L
Se	77	1823.251	0.005	10.255871	ug/L
Se	82	2282.496	0.007	10.132868	ug/L
Rh	103	407482.568	407482.568		ug/L
Ag	107	113105.589	0.277	10.191817	ug/L
Cd	111	26249.393	0.064	10.237941	ug/L
Cd	114	64110.580	0.157	10.683436	ug/L
In	115	336443.494	336443.494		ug/L
Sb	121	91462.784	0.271	10.098251	ug/L
Sb	123	66307.130	0.196	9.468184	ug/L
Tl	203	99817.991	0.260	11.006018	ug/L
Tl	205	234194.680	0.610	10.899474	ug/L
Pb	208	322284.529	0.838	10.855648	ug/L
Bi	209	383566.566	383566.566		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	512008.703	512008.703		ug/L
Be	9	3137.720	0.006	9.896580	ug/L
V	51	119405.373	0.342	10.116720	ug/L
Cr	52	114240.447	0.303	10.569827	ug/L
Cr	53	12279.669	0.034	10.125640	ug/L
Co	59	125548.978	0.372	10.492312	ug/L
Cu	63	64471.293	0.191	10.638083	ug/L
Cu	65	31580.976	0.093	11.184098	ug/L
Zn	66	20724.228	0.061	12.451388	ug/L
Zn	68	15977.008	0.048	13.121010	ug/L
Ge	72	337253.463	337253.463		ug/L
As	75	21828.181	0.063	10.375002	ug/L
Se	77	1707.221	0.005	9.914382	ug/L
Se	82	2172.783	0.006	10.075387	ug/L
Rh	103	425131.059	425131.059		ug/L
Ag	107	114072.798	0.288	9.852182	ug/L
Cd	111	25809.219	0.061	9.648308	ug/L
Cd	114	64123.848	0.151	10.241981	ug/L

: 00847

	In	115	327672.354	327672.354		ug/L
	Sb	121	90302.125	0.274	10.236800	ug/L
	Sb	123	67644.083	0.208	9.920761	ug/L
	Tl	203	94511.094	0.251	10.605847	ug/L
	Tl	205	238330.342	0.627	11.205439	ug/L
	Pb	208	324512.858	0.980	11.136563	ug/L
	Bi	209	378482.130	378482.130		ug/L

Sample Information

Sample ID: 1001254-02
Autosampler Position: 19
Sample Date/Time: Wednesday, January 27, 2010 11:11:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\1001254-02.019
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	495228.509	495228.509				ug/L
	Be	9	2.000	-0.000	-0.005055	0.006	114.727	ug/L
	V	51	4346.941	0.001	0.020317	0.008	40.353	ug/L
	Cr	52	13001.621	0.002	0.059317	0.017	28.532	ug/L
	Cr	53	1026.084	0.001	0.244051	0.034	13.762	ug/L
	Co	59	1208.781	0.003	0.090714	0.003	2.933	ug/L
	Cu	63	1924.278	0.005	0.275531	0.006	2.021	ug/L
	Cu	65	536.025	0.001	0.148675	0.005	3.404	ug/L
	Zn	66	3691.324	0.010	2.001356	0.068	3.383	ug/L
	Zn	68	3590.272	0.009	2.586444	0.149	5.759	ug/L
>	Ge	72	346148.026	346148.026				ug/L
	As	75	577.877	0.000	0.052270	0.038	72.434	ug/L
	Se	77	197.338	0.000	0.297393	0.023	7.812	ug/L
	Se	82	24.996	0.000	0.172408	0.066	38.038	ug/L
>	Rh	103	390706.677	390706.677				ug/L
	Ag	107	249.674	0.000	0.018339	0.008	44.818	ug/L
	Cd	111	-0.702	-0.000	-0.001595	0.002	142.516	ug/L
	Cd	114	31.193	0.000	0.003113	0.002	52.401	ug/L
>	In	115	330781.941	330781.941				ug/L
	Sb	121	488.355	0.000	0.008365	0.004	46.719	ug/L
	Sb	123	391.425	0.000	0.013139	0.003	21.749	ug/L
	Tl	203	77.668	0.000	0.002021	0.001	40.712	ug/L
	Tl	205	149.670	0.000	0.000311	0.000	68.023	ug/L
	Pb	208	1095.711	0.001	0.015876	0.002	9.647	ug/L
>	Bi	209	386184.192	386184.192				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.258
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.409
	As	74.922	
	Se	76.920	

: 00849

	Se	81.917	
>	Rh	102.905	92.443
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	102.375
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	100.717

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	485813.371	485813.371		ug/L
	Be	9	1.000	0.000	-0.008316	ug/L
	V	51	4488.084	0.001	0.020403	ug/L
	Cr	52	13231.376	0.001	0.041109	ug/L
	Cr	53	1032.086	0.001	0.221636	ug/L
	Co	59	1211.118	0.003	0.097828	ug/L
	Cu	63	1909.291	0.005	0.272983	ug/L
	Cu	65	549.027	0.001	0.147364	ug/L
	Zn	66	3698.983	0.008	1.938088	ug/L
	Zn	68	3533.808	0.008	2.448183	ug/L
>	Ge	72	357080.776	357080.776		ug/L
	As	75	540.136	0.000	0.025967	ug/L
	Se	77	206.008	0.000	0.306944	ug/L
	Se	82	8.907	0.000	0.097662	ug/L
>	Rh	103	384688.802	384688.802		ug/L
	Ag	107	344.012	0.001	0.027638	ug/L
	Cd	111	-1.114	-0.000	-0.001760	ug/L
	Cd	114	41.108	0.000	0.004936	ug/L
>	In	115	337325.903	337325.903		ug/L
	Sb	121	511.023	0.000	0.009831	ug/L
	Sb	123	407.008	0.000	0.014282	ug/L
	Tl	203	84.001	0.000	0.002546	ug/L
	Tl	205	148.003	0.000	0.000088	ug/L
	Pb	208	1071.043	0.001	0.014318	ug/L
>	Bi	209	393943.719	393943.719		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	486888.589	486888.589		ug/L
	Be	9	4.000	0.000	0.001641	ug/L
	V	51	4227.222	0.000	0.012078	ug/L
	Cr	52	12960.878	0.002	0.052289	ug/L
	Cr	53	1002.080	0.001	0.227861	ug/L
	Co	59	1208.114	0.003	0.091246	ug/L
	Cu	63	1890.269	0.008	0.271682	ug/L
	Cu	65	549.027	0.001	0.154261	ug/L
	Zn	66	3664.977	0.010	1.998710	ug/L
	Zn	68	3549.917	0.009	2.586947	ug/L
>	Ge	72	344204.618	344204.618		ug/L
	As	75	540.008	0.000	0.035178	ug/L
	Se	77	192.008	0.000	0.271086	ug/L
	Se	82	31.080	0.000	0.198270	ug/L
>	Rh	103	391442.663	391442.663		ug/L
	Ag	107	218.008	0.000	0.015338	ug/L
	Cd	111	6.114	-0.000	-0.003782	ug/L
	Cd	114	23.708	0.000	0.001781	ug/L
>	In	115	329268.924	329268.924		ug/L
	Sb	121	512.023	0.000	0.011327	ug/L
	Sb	123	403.883	0.000	0.015249	ug/L
	Tl	203	82.001	0.000	0.002443	ug/L
	Tl	205	151.003	0.000	0.000319	ug/L
	Pb	208	1106.046	0.001	0.015930	ug/L
>	Bi	209	388998.275	388998.275		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	513006.566	513006.566		ug/L
	Be	9	1.000	-0.000	-0.008491	ug/L
	V	51	4327.547	0.001	0.029473	ug/L
	Cr	52	12612.809	0.002	0.074568	ug/L
	Cr	53	1044.087	0.001	0.282888	ug/L
	Co	59	1208.114	0.003	0.093088	ug/L
	Cu	63	1913.279	0.008	0.281919	ug/L
	Cu	65	510.023	0.001	0.144388	ug/L
	Zn	66	3712.001	0.010	2.071271	ug/L
	Zn	68	3666.988	0.010	2.744194	ug/L
>	Ge	72	337148.686	337148.686		ug/L
	As	75	553.487	0.001	0.036853	ug/L
	Se	77	196.006	0.000	0.315140	ug/L
	Se	82	35.002	0.000	0.220294	ug/L
>	Rh	103	395978.764	395978.764		ug/L
	Ag	107	188.004	0.000	0.012041	ug/L
	Cd	111	5.121	0.000	0.000758	ug/L
	Cd	114	28.762	0.000	0.002811	ug/L

: 00850

In	115	325750.986	325750.986			
Sb	121	442.016	0.000	0.000838	ug/L	
Sn	123	363.389	0.000	0.008897	ug/L	
Tl	203	87.001	0.000	0.001073	ug/L	
U	205	150.003	0.000	0.000618	ug/L	
Pb	208	1116.044	0.001	0.017360	ug/L	
Bi	209	375612.382	375612.382		ug/L	

Sample ID: 1001254-02
Report Date/Time: Wednesday, January 27, 2010 11:13:49
Page 3

Sample Information

Sample ID: 1000571-BLK1
Autosampler Position: 20
Sample Date/Time: Wednesday, January 27, 2010 11:15:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\1000571-BLK1.020
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	483170.350	483170.350				ug/L
⌊	Be	9	4.333	0.000	0.002864	0.013	467.784	ug/L
⌈	V	51	4272.465	0.000	0.012430	0.033	269.455	ug/L
|	Cr	52	12882.741	0.001	0.041003	0.086	208.899	ug/L
|	Cr	53	795.719	0.000	0.044810	0.077	171.940	ug/L
|	Co	59	110.669	0.000	0.001124	0.000	38.426	ug/L
|	Cu	63	331.011	0.000	0.018164	0.005	27.074	ug/L
|	Cu	65	184.338	0.000	0.026679	0.005	18.277	ug/L
|	Zn	66	5107.877	0.014	2.827819	0.166	5.885	ug/L
|	Zn	68	3855.413	0.010	2.787945	0.218	7.837	ug/L
|>	Ge	72	348333.463	348333.463				ug/L
|	As	75	459.456	-0.000	-0.005560	0.032	579.894	ug/L
|	Se	77	168.670	0.000	0.112867	0.076	67.381	ug/L
⌊	Se	82	-12.032	0.000	0.003878	0.100	2587.585	ug/L
⌈>	Rh	103	397976.905	397976.905				ug/L
|	Ag	107	48.667	-0.000	-0.000724	0.000	21.238	ug/L
|	Cd	111	8.821	0.000	0.002234	0.002	86.435	ug/L
⌊	Cd	114	17.096	0.000	0.000601	0.001	174.497	ug/L
⌈>	In	115	338015.301	338015.301				ug/L
|	Sb	121	308.010	-0.000	-0.012676	0.002	12.263	ug/L
⌊	Sb	123	255.294	-0.000	-0.007482	0.002	29.696	ug/L
⌈	Tl	203	57.001	-0.000	-0.000379	0.001	209.443	ug/L
|	Tl	205	119.002	-0.000	-0.001247	0.000	25.432	ug/L
|	Pb	208	866.695	0.001	0.007492	0.002	33.350	ug/L
⌊>	Bi	209	396938.878	396938.878				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.890
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	104.062
|	As	74.922	
|	Se	76.920	

: 00852

	Se	81.917	
>	Rh	102.905	94.163
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	104.614
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	103.522

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	487226.983	487226.983		ug/L
Be	9	0.000	-0.000	-0.011643	ug/L
V	51	3977.920	-0.001	-0.021652	ug/L
Cr	52	12491.037	-0.001	-0.031878	ug/L
Cr	53	773.060	0.000	0.007340	ug/L
Co	59	119.002	0.000	0.001684	ug/L
Cu	63	367.013	0.000	0.022470	ug/L
Cu	65	183.004	0.000	0.024841	ug/L
Zn	66	5144.904	0.013	2.770868	ug/L
Zn	68	3737.015	0.008	2.810318	ug/L
Ge	72	357072.815	357072.815		ug/L
As	75	398.008	-0.000	0.040867	ug/L
Se	77	163.003	0.000	0.084177	ug/L
Se	82	-26.952	-0.000	-0.058513	ug/L
Rh	103	397963.087	397963.087		ug/L
Ag	107	48.001	-0.000	-0.000784	ug/L
Cd	111	11.813	0.000	0.003338	ug/L
Cd	114	16.038	0.000	0.000414	ug/L
In	115	341846.915	341846.915		ug/L
Sb	121	308.010	0.000	-0.013074	ug/L
Sb	123	260.252	0.000	-0.007211	ug/L
Tl	203	62.001	0.000	-0.000187	ug/L
Tl	205	119.002	0.000	-0.001517	ug/L
Pb	208	866.028	0.000	0.008012	ug/L
Bi	209	416840.737	416840.737		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	489612.079	489612.079		ug/L
Be	9	8.000	0.000	0.014775	ug/L
V	51	4401.361	0.000	0.013639	ug/L
Cr	52	13003.966	0.001	0.019538	ug/L
Cr	53	756.048	-0.000	0.006334	ug/L
Co	59	109.002	0.000	0.000705	ug/L
Cu	63	305.010	0.000	0.012808	ug/L
Cu	65	179.004	0.000	0.023237	ug/L
Zn	66	5014.810	0.013	2.697509	ug/L
Zn	68	3674.089	0.010	2.721587	ug/L
Ge	72	356846.086	356846.086		ug/L
As	75	533.136	0.000	0.022924	ug/L
Se	77	187.004	0.000	0.198786	ug/L
Se	82	13.946	0.000	0.119648	ug/L
Rh	103	401516.480	401516.480		ug/L
Ag	107	51.001	-0.000	-0.000548	ug/L
Cd	111	3.294	0.000	0.000004	ug/L
Cd	114	11.708	0.000	0.000342	ug/L
In	115	341173.677	341173.677		ug/L
Sb	121	299.009	0.000	-0.013992	ug/L
Sb	123	241.251	0.000	0.009827	ug/L
Tl	203	50.001	-0.000	-0.001252	ug/L
Tl	205	120.002	0.000	-0.001328	ug/L
Pb	208	844.028	0.000	0.008087	ug/L
Bi	209	405221.187	405221.187		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	472672.007	472672.007		ug/L
Be	9	5.000	0.000	0.006460	ug/L
V	51	4438.113	0.002	0.045303	ug/L
Cr	52	13153.231	0.004	0.135350	ug/L
Cr	53	858.080	0.000	0.133425	ug/L
Co	59	105.002	0.000	0.001109	ug/L
Cu	63	321.010	0.000	0.019217	ug/L
Cu	65	191.004	0.000	0.032258	ug/L
Zn	66	5163.918	0.015	3.015282	ug/L
Zn	68	3956.134	0.011	3.031931	ug/L
Ge	72	331079.388	331079.388		ug/L
As	75	450.227	0.000	0.000962	ug/L
Se	77	156.003	0.000	0.066841	ug/L
Se	82	-23.060	0.000	0.049497	ug/L
Rh	103	394461.139	394461.139		ug/L
Ag	107	47.001	-0.000	-0.000539	ug/L
Cd	111	11.558	0.000	0.003358	ug/L
Cd	114	23.544	0.000	0.001732	ug/L

Sample ID: 1000571-BLK1
Report Date/Time: Wednesday, January 27, 2010 11:17:24

	In	115	331025.313	331025.313		ug/L
	Sb	121	317.010	0.000	0.010881	ug/L
	Sb	123	284.378	0.000	0.005408	ug/L
	Tl	203	58.001	0.000	0.000288	ug/L
	Tl	205	118.002	0.000	0.000888	ug/L
	Pb	208	980.030	0.001	0.010278	ug/L
	Bi	209	368864.708	368864.708		ug/L

Sample ID: 1000571-BLK1
Report Date/Time: Wednesday, January 27, 2010 11:17:24

Sample Information

Sample ID: 1000571-BS1
Autosampler Position: 21
Sample Date/Time: Wednesday, January 27, 2010 11:19:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\1000571-BS1.021
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	494359.748	494359.748				ug/L
⌊	Be	9	3320.472	0.007	10.853318	0.463	4.266	ug/L
⌈	V	51	120279.031	0.331	9.790502	0.271	2.771	ug/L
|	Cr	52	115052.439	0.292	10.296259	0.369	3.585	ug/L
|	Cr	53	12847.341	0.034	10.189457	0.010	0.098	ug/L
|	Co	59	129565.391	0.369	10.411573	0.123	1.177	ug/L
|	Cu	63	60860.513	0.173	9.656306	0.346	3.580	ug/L
|	Cu	65	30992.746	0.088	10.555367	0.359	3.400	ug/L
|	Zn	66	21893.726	0.061	12.650997	0.065	0.515	ug/L
|	Zn	68	16285.715	0.045	12.859067	0.575	4.472	ug/L
|>	Ge	72	350766.877	350766.877				ug/L
|	As	75	20573.264	0.057	9.386100	0.381	4.057	ug/L
|	Se	77	1783.574	0.005	9.968129	0.427	4.288	ug/L
⌊	Se	82	2145.964	0.006	9.576236	0.451	4.706	ug/L
⌈>	Rh	103	402597.255	402597.255				ug/L
|	Ag	107	113080.964	0.281	10.313431	0.082	0.793	ug/L
|	Cd	111	26312.927	0.065	10.388718	0.213	2.049	ug/L
⌊	Cd	114	62023.285	0.154	10.460399	0.108	1.033	ug/L
⌈>	In	115	338740.542	338740.542				ug/L
|	Sb	121	89477.997	0.263	9.813827	0.384	3.908	ug/L
⌊	Sb	123	66262.153	0.195	9.402101	0.287	3.050	ug/L
⌈	Tl	203	99780.577	0.248	10.503230	0.330	3.142	ug/L
|	Tl	205	229776.773	0.572	10.221864	0.396	3.877	ug/L
|	Pb	208	326741.272	0.813	10.520258	0.413	3.925	ug/L
⌊>	Bi	209	401576.870	401576.870				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.087
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	104.789
|	As	74.922	
|	Se	76.920	

	Se	81.917	
>	Rh	102.905	95.256
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	104.838
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	104.732

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	484488.774	484488.774		ug/L
Be	9	3415.851	0.007	11.387549	ug/L
V	51	119228.980	0.321	9.494193	ug/L
Cr	52	113447.958	0.291	9.898808	ug/L
Cr	53	13105.142	0.034	10.182183	ug/L
Co	59	131038.347	0.366	10.315241	ug/L
Cu	63	60104.417	0.167	9.337433	ug/L
Cu	65	30452.079	0.086	10.154750	ug/L
Zn	66	22222.736	0.081	12.578386	ug/L
Zn	68	15881.795	0.043	12.281838	ug/L
Ge	72	358042.707	358042.707		ug/L
As	75	20178.582	0.056	9.006784	ug/L
Se	77	1739.228	0.004	9.476507	ug/L
Se	82	2078.564	0.006	9.084602	ug/L
Rh	103	397933.024	397933.024		ug/L
Ag	107	111583.820	0.280	10.298146	ug/L
Cd	111	26583.648	0.067	10.617134	ug/L
Cd	114	60848.783	0.153	10.382822	ug/L
In	115	344775.672	344775.672		ug/L
Sb	121	87368.964	0.252	9.408107	ug/L
Sb	123	85504.139	0.189	9.126840	ug/L
Tl	203	101638.021	0.246	10.396846	ug/L
Tl	205	229968.603	0.556	9.936875	ug/L
Pb	208	324836.853	0.785	10.183207	ug/L
Bi	209	413013.088	413013.088		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	498646.271	498646.271		ug/L
Be	9	3262.778	0.007	10.567538	ug/L
V	51	120487.046	0.333	9.850881	ug/L
Cr	52	115223.052	0.294	10.381295	ug/L
Cr	53	12784.568	0.034	10.185322	ug/L
Co	59	130665.141	0.374	10.549448	ug/L
Cu	63	60308.125	0.172	9.807812	ug/L
Cu	65	31182.228	0.089	10.663810	ug/L
Zn	66	21886.698	0.062	12.704442	ug/L
Zn	68	16278.691	0.045	12.908147	ug/L
Ge	72	349182.788	349182.788		ug/L
As	75	20488.158	0.057	9.385088	ug/L
Se	77	1810.247	0.006	10.175808	ug/L
Se	82	2158.583	0.006	9.674384	ug/L
Rh	103	403992.421	403992.421		ug/L
Ag	107	114452.808	0.283	10.402520	ug/L
Cd	111	26317.022	0.066	10.353007	ug/L
Cd	114	61962.012	0.153	10.414848	ug/L
In	115	340188.393	340188.393		ug/L
Sb	121	90356.788	0.264	9.882886	ug/L
Sb	123	88421.436	0.194	9.380383	ug/L
Tl	203	97944.925	0.242	10.239700	ug/L
Tl	205	227565.422	0.563	10.061956	ug/L
Pb	208	328102.403	0.808	10.425141	ug/L
Bi	209	404102.388	404102.388		ug/L

4

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	499842.200	499842.200		ug/L
Be	9	3262.787	0.007	10.604868	ug/L
V	51	121123.088	0.338	10.025623	ug/L
Cr	52	116486.307	0.302	10.626516	ug/L
Cr	53	12652.322	0.035	10.200887	ug/L
Co	59	126982.686	0.368	10.370028	ug/L
Cu	63	62166.998	0.180	10.023673	ug/L
Cu	65	31343.933	0.091	10.847440	ug/L
Zn	66	21571.740	0.062	12.670154	ug/L
Zn	68	16668.656	0.047	13.408116	ug/L
Ge	72	345075.156	345075.156		ug/L
As	75	21053.043	0.060	9.767447	ug/L
Se	77	1801.245	0.005	10.252072	ug/L
Se	82	2199.735	0.006	9.968713	ug/L
Rh	103	405888.319	405888.319		ug/L
Ag	107	113208.185	0.279	10.241827	ug/L
Cd	111	26036.214	0.064	10.196012	ug/L
Cd	114	63261.049	0.156	10.583832	ug/L

: 00856

[>	In	115	331247 561	331247 561		ug/L
[	Sb	121	90706 238	0 273	10 170478	ug/L
[	Sb	123	66880 887	0 201	9 898081	ug/L
[	Tl	203	99758 787	0 257	10 873344	ug/L
]	Tl	205	231798 298	0 598	10 674761	ug/L
[	Pb	208	329188 580	0 848	10 972426	ug/L
[>	Bi	209	387819 133	387819 133		ug/L

Sample ID: 1000571-BS1
Report Date/Time: Wednesday, January 27, 2010 11:20:59

Sample Information

Sample ID: 1001254-01
Autosampler Position: 22
Sample Date/Time: Wednesday, January 27, 2010 11:27:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\1001254-01.022
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	480932.655	480932.655				ug/L
	Be	9	7.000	0.000	0.012039	0.012	103.684	ug/L
	V	51	10734.055	0.018	0.543580	0.008	1.456	ug/L
	Cr	52	22279.258	0.027	0.948353	0.051	5.356	ug/L
	Cr	53	2125.671	0.004	1.138114	0.020	1.751	ug/L
	Co	59	3842.739	0.011	0.297708	0.005	1.643	ug/L
	Cu	63	8301.238	0.023	1.271559	0.014	1.105	ug/L
	Cu	65	3740.684	0.010	1.226713	0.033	2.685	ug/L
	Zn	66	12487.367	0.034	7.049432	0.152	2.162	ug/L
	Zn	68	9608.556	0.026	7.343457	0.151	2.058	ug/L
>	Ge	72	354746.161	354746.161				ug/L
	As	75	3070.973	0.007	1.195714	0.030	2.470	ug/L
	Se	77	206.338	0.000	0.322140	0.052	16.205	ug/L
	Se	82	34.484	0.000	0.210065	0.060	28.618	ug/L
>	Rh	103	381992.930	381992.930				ug/L
	Ag	107	279.008	0.001	0.021617	0.007	32.829	ug/L
	Cd	111	27.235	0.000	0.010019	0.004	35.496	ug/L
	Cd	114	59.781	0.000	0.008309	0.001	7.214	ug/L
>	In	115	335301.729	335301.729				ug/L
	Sb	121	687.707	0.001	0.029830	0.004	13.033	ug/L
	Sb	123	516.019	0.001	0.030332	0.006	20.177	ug/L
	Tl	203	109.002	0.000	0.004897	0.001	14.743	ug/L
	Tl	205	272.008	0.000	0.005375	0.001	14.021	ug/L
	Pb	208	22928.841	0.055	0.711293	0.030	4.184	ug/L
>	Bi	209	405659.022	405659.022				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.450
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.978
	As	74.922	
	Se	76.920	

: 00858

	Se	81.917	
>	Rh	102.905	90.381
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	103.774
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	105.797

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	489817.470	489817.470		ug/L
	Be	9	3.000	-0.000	-0.001740	ug/L
	V	51	10842.446	0.018	0.551316	ug/L
	Cr	52	22021.113	0.026	0.918527	ug/L
	Cr	53	2129.338	0.004	1.138607	ug/L
	Co	59	3792.044	0.010	0.293239	ug/L
	Cu	63	8381.999	0.023	1.282373	ug/L
	Cu	65	3668.879	0.010	1.200878	ug/L
	Zn	66	12687.207	0.034	7.006834	ug/L
	Zn	68	9563.494	0.026	7.296131	ug/L
>	Ge	72	356257.658	356257.658		ug/L
	As	75	3004.175	0.007	1.162880	ug/L
	Se	77	198.005	0.000	0.270100	ug/L
	Se	82	26.104	0.000	0.173122	ug/L
>	Rh	103	383200.178	383200.178		ug/L
	Ag	107	358.013	0.001	0.029107	ug/L
	Cd	111	29.321	0.000	0.010863	ug/L
	Cd	114	57.920	0.000	0.007943	ug/L
>	In	115	336147.682	336147.682		ug/L
	Sb	121	729.044	0.001	0.034228	ug/L
	Sb	123	556.886	0.001	0.036286	ug/L
	Tl	203	108.002	0.000	0.004268	ug/L
	Tl	205	263.007	0.000	0.004640	ug/L
	Pb	208	22704.140	0.053	0.683279	ug/L
>	Bi	209	417373.977	417373.977		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	472288.864	472288.864		ug/L
	Be	9	10.000	0.000	0.022581	ug/L
	V	51	10636.383	0.018	0.535501	ug/L
	Cr	52	21977.980	0.026	0.918534	ug/L
	Cr	53	2101.330	0.004	1.117947	ug/L
	Co	59	3833.067	0.011	0.296966	ug/L
	Cu	63	8198.786	0.022	1.255679	ug/L
	Cu	65	3707.998	0.010	1.215725	ug/L
	Zn	66	12698.404	0.035	7.172434	ug/L
	Zn	68	9456.360	0.025	7.221668	ug/L
>	Ge	72	354723.043	354723.043		ug/L
	As	75	3088.235	0.007	1.204208	ug/L
	Se	77	215.008	0.000	0.374504	ug/L
	Se	82	27.098	0.000	0.177843	ug/L
>	Rh	103	379202.012	379202.012		ug/L
	Ag	107	268.008	0.001	0.020748	ug/L
	Cd	111	17.692	0.000	0.006116	ug/L
	Cd	114	63.220	0.000	0.009001	ug/L
>	In	115	336883.307	336883.307		ug/L
	Sb	121	664.039	0.001	0.026852	ug/L
	Sb	123	474.769	0.000	0.024087	ug/L
	Tl	203	118.002	0.000	0.006686	ug/L
	Tl	205	270.008	0.000	0.005338	ug/L
	Pb	208	22721.212	0.058	0.708068	ug/L
>	Bi	209	403484.902	403484.902		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	480891.632	480891.632		ug/L
	Be	9	8.000	0.000	0.015268	ug/L
	V	51	10723.336	0.018	0.543922	ug/L
	Cr	52	22538.682	0.029	1.006998	ug/L
	Cr	53	2146.344	0.004	1.157788	ug/L
	Co	59	3903.108	0.011	0.302937	ug/L
	Cu	63	8321.926	0.023	1.276524	ug/L
	Cu	65	3846.073	0.011	1.263736	ug/L
	Zn	66	12176.492	0.033	6.879827	ug/L
	Zn	68	9806.824	0.026	7.512573	ug/L
>	Ge	72	354257.780	354257.780		ug/L
	As	75	3119.510	0.007	1.220073	ug/L
	Se	77	206.006	0.000	0.321818	ug/L
	Se	82	50.254	0.000	0.279432	ug/L
>	Rh	103	383578.601	383578.601		ug/L
	Ag	107	211.005	0.000	0.014994	ug/L
	Cd	111	34.693	0.000	0.013077	ug/L
	Cd	114	56.201	0.000	0.007983	ug/L

: 00859

	In	115	332874.197	332874.197		ug/L
	Sb	121	670.038	0.001	0.028410	ug/L
	Sb	123	514.394	0.001	0.030633	ug/L
	Tl	203	105.002	0.000	0.004738	ug/L
	Tl	205	293.008	0.000	0.006146	ug/L
	Pb	208	23381.173	0.057	0.742535	ug/L
	Bi	209	398118.188	398118.188		ug/L

Sample Information

Sample ID: 1000574-BS1
Autosampler Position: 18
Sample Date/Time: Wednesday, January 27, 2010 11:31:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\1000574-BS1.023
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	514747.314	514747.314				ug/L
⌊	Be	9	3131.384	0.006	9.830873	0.373	3.791	ug/L
⌈	V	51	120865.198	0.344	10.175376	0.245	2.403	ug/L
|	Cr	52	110404.955	0.289	10.195553	0.401	3.929	ug/L
|	Cr	53	12709.092	0.035	10.426577	0.056	0.533	ug/L
|	Co	59	121139.836	0.357	10.056254	0.129	1.284	ug/L
|	Cu	63	64417.819	0.189	10.559686	0.250	2.369	ug/L
|	Cu	65	29251.399	0.086	10.288512	0.236	2.294	ug/L
|	Zn	66	17691.065	0.051	10.526443	0.048	0.455	ug/L
⌊	Zn	68	12976.244	0.037	10.517941	0.452	4.298	ug/L
|>	Ge	72	339566.720	339566.720				ug/L
|	As	75	20924.338	0.060	9.870542	0.271	2.746	ug/L
|	Se	77	1669.879	0.004	9.608544	0.307	3.194	ug/L
⌊	Se	82	2077.190	0.006	9.570972	0.273	2.856	ug/L
⌈>	Rh	103	420778.277	420778.277				ug/L
|	Ag	107	117013.227	0.278	10.211652	0.178	1.745	ug/L
|	Cd	111	26339.339	0.063	9.949217	0.206	2.075	ug/L
⌊	Cd	114	62173.672	0.148	10.032539	0.161	1.605	ug/L
⌈>	In	115	321397.597	321397.597				ug/L
|	Sb	121	86704.670	0.269	10.019695	0.120	1.197	ug/L
⌊	Sb	123	67645.114	0.210	10.114826	0.099	0.981	ug/L
⌈	Tl	203	96030.647	0.243	10.279110	0.123	1.201	ug/L
|	Tl	205	243713.145	0.617	11.024533	0.345	3.125	ug/L
|	Pb	208	318379.023	0.805	10.423614	0.292	2.804	ug/L
⌊>	Bi	209	394687.037	394687.037				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	101.091
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	101.443
|	As	74.922	
|	Se	76.920	

00861

	Se	81.917	
>	Rh	102.905	99.558
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.471
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	102.935

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	532878.232	532878.232		ug/L
	Be	9	3129.717	0.008	9.487894	ug/L
	V	51	120278.428	0.347	10.256574	ug/L
	Cr	52	111923.170	0.298	10.501581	ug/L
	Cr	53	12549.136	0.035	10.431139	ug/L
	Co	59	120975.044	0.381	10.173626	ug/L
	Cu	63	64484.411	0.192	10.707672	ug/L
	Cu	65	29383.524	0.087	10.462068	ug/L
	Zn	66	17432.423	0.051	10.310501	ug/L
	Zn	68	13298.497	0.038	10.928464	ug/L
>	Ge	72	335137.247	335137.247		ug/L
	As	75	21212.841	0.062	10.141828	ug/L
	Se	77	1898.218	0.005	9.925308	ug/L
	Se	82	2117.480	0.006	9.882012	ug/L
>	Rh	103	421593.308	421593.308		ug/L
	Ag	107	116733.263	0.277	10.186730	ug/L
	Cd	111	26013.228	0.062	9.806186	ug/L
	Cd	114	63089.268	0.150	10.161258	ug/L
>	In	115	315681.740	315681.740		ug/L
	Sb	121	85208.075	0.269	10.026163	ug/L
	Sb	123	65744.837	0.207	10.009801	ug/L
	Tl	203	95082.609	0.244	10.330490	ug/L
	Tl	205	242560.784	0.623	11.134915	ug/L
	Pb	208	322181.552	0.827	10.703758	ug/L
>	Bi	209	388847.492	388847.492		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	508981.038	508981.038		ug/L
	Be	9	3081.696	0.008	9.777360	ug/L
	V	51	122068.781	0.351	10.366662	ug/L
	Cr	52	110940.000	0.294	10.342898	ug/L
	Cr	53	12664.344	0.036	10.479733	ug/L
	Co	59	120394.350	0.337	10.076080	ug/L
	Cu	63	64748.786	0.192	10.700840	ug/L
	Cu	65	29283.196	0.087	10.383701	ug/L
	Zn	66	17480.538	0.051	10.488507	ug/L
	Zn	68	12981.680	0.037	10.581871	ug/L
>	Ge	72	336734.828	336734.828		ug/L
	As	75	20755.883	0.060	9.870372	ug/L
	Se	77	1853.208	0.004	9.587867	ug/L
	Se	82	2018.429	0.006	9.368861	ug/L
>	Rh	103	423040.218	423040.218		ug/L
	Ag	107	115908.981	0.274	10.080183	ug/L
	Cd	111	26233.877	0.062	9.856656	ug/L
	Cd	114	62626.778	0.148	10.084361	ug/L
>	In	115	320566.829	320566.829		ug/L
	Sb	121	87492.453	0.272	10.136846	ug/L
	Sb	123	68075.919	0.211	10.207009	ug/L
	Tl	203	94968.113	0.240	10.139247	ug/L
	Tl	205	250517.898	0.633	11.300087	ug/L
	Pb	208	320010.729	0.807	10.446522	ug/L
>	Bi	209	395743.232	395743.232		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	502574.674	502574.674		ug/L
	Be	9	3182.741	0.008	10.227408	ug/L
	V	51	120251.378	0.335	9.899863	ug/L
	Cr	52	108351.686	0.277	9.742182	ug/L
	Cr	53	12913.792	0.035	10.356858	ug/L
	Co	59	122050.113	0.352	9.918088	ug/L
	Cu	63	64020.256	0.184	10.270848	ug/L
	Cu	65	29107.477	0.084	10.019736	ug/L
	Zn	66	16159.235	0.051	10.580320	ug/L
	Zn	68	12670.384	0.038	10.033488	ug/L
>	Ge	72	346828.086	346828.086		ug/L
	As	75	20804.481	0.058	9.599824	ug/L
	Se	77	1858.209	0.004	9.312667	ug/L
	Se	82	2097.661	0.006	9.462064	ug/L
>	Rh	103	417701.307	417701.307		ug/L
	Ag	107	118398.397	0.283	10.408044	ug/L
	Cd	111	26770.912	0.064	10.185901	ug/L
	Cd	114	60604.979	0.145	9.852011	ug/L

Sample ID: 1000574-BS1
Report Date/Time: Wednesday, January 27, 2010 11:33:10

In	115	327985.222	327986.222			ug/L
Sb	121	87412.482	0.286	9.997078		ug/L
Sb	123	69114.588	0.210	10.127888		ug/L
Tl	203	98040.220	0.248	10.388583		ug/L
Tl	205	238070.748	0.598	10.638317		ug/L
Pb	208	312984.788	0.782	10.120680		ug/L
Bi	209	398470.388	398470.388			ug/L

Sample ID: 1000574-BS1
Report Date/Time: Wednesday, January 27, 2010 11:33:10

Sample Information

Sample ID: 1000571-BS1
Autosampler Position: 21
Sample Date/Time: Wednesday, January 27, 2010 11:37:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\1000571-BS1.024
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	512658.125	512658.125				ug/L
⌊	Be	9	3157.396	0.006	9.945091	0.202	2.027	ug/L
⌈	V	51	122273.479	0.352	10.413856	0.099	0.952	ug/L
|	Cr	52	111527.219	0.296	10.437508	0.301	2.886	ug/L
|	Cr	53	12826.970	0.036	10.652526	0.073	0.685	ug/L
|	Co	59	122801.552	0.365	10.306537	0.084	0.815	ug/L
|	Cu	63	64294.038	0.191	10.654455	0.091	0.856	ug/L
|	Cu	65	29352.487	0.087	10.437617	0.216	2.072	ug/L
|	Zn	66	22232.110	0.065	13.428161	0.179	1.331	ug/L
|	Zn	68	16283.704	0.047	13.439831	0.264	1.968	ug/L
|>	Ge	72	335827.224	335827.224				ug/L
|	As	75	21100.646	0.061	10.066415	0.159	1.583	ug/L
|	Se	77	1618.533	0.004	9.396209	0.252	2.687	ug/L
⌊	Se	82	2153.267	0.006	10.028576	0.315	3.137	ug/L
⌈>	Rh	103	424873.142	424873.142				ug/L
|	Ag	107	117361.963	0.276	10.144264	0.258	2.539	ug/L
|	Cd	111	26667.810	0.063	9.977026	0.275	2.755	ug/L
⌊	Cd	114	62535.512	0.147	9.994034	0.178	1.778	ug/L
⌈>	In	115	320652.320	320652.320				ug/L
|	Sb	121	87761.066	0.272	10.165466	0.117	1.146	ug/L
⌊	Sb	123	67808.207	0.211	10.164423	0.341	3.356	ug/L
⌈	Tl	203	96992.731	0.247	10.448241	0.121	1.159	ug/L
|	Tl	205	243337.058	0.620	11.075618	0.135	1.219	ug/L
|	Pb	208	319578.300	0.813	10.528436	0.331	3.146	ug/L
⌊>	Bi	209	392222.231	392222.231				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	100.681
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.326
|	As	74.922	
|	Se	76.920	

: 00864

Se	81.917		
Rh	102.905	100.527	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	99.240	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	102.292	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	517229.281	517228.281		ug/L
Be	9	3218.756	0.006	10.040563	ug/L
V	51	121644.087	0.334	10.452861	ug/L
Cr	52	113698.904	0.306	10.778856	ug/L
Cr	53	12828.279	0.036	10.585382	ug/L
Co	59	122155.800	0.367	10.351227	ug/L
Cu	63	64308.837	0.193	10.756730	ug/L
Cu	65	29676.818	0.089	10.654638	ug/L
Zn	66	21708.154	0.064	13.238648	ug/L
Zn	68	15482.158	0.048	13.741725	ug/L
Ge	72	332813.256	332812.256		ug/L
As	75	21184.728	0.062	10.208628	ug/L
Se	77	1642.206	0.005	9.647082	ug/L
Se	82	2179.434	0.007	10.246147	ug/L
Rh	103	429729.383	429729.383		ug/L
Ag	107	115408.988	0.268	9.880781	ug/L
Cd	111	26158.917	0.061	9.673287	ug/L
Cd	114	63702.012	0.148	10.066671	ug/L
In	115	322173.094	322173.094		ug/L
Sb	121	87225.212	0.209	10.054777	ug/L
Sb	123	65534.640	0.203	9.774787	ug/L
Tl	203	96864.167	0.244	10.335136	ug/L
Tl	205	245588.969	0.622	11.107442	ug/L
Pb	208	321123.413	0.812	10.511008	ug/L
Bi	209	394688.182	394688.182		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	508008.511	508008.511		ug/L
Be	9	3058.684	0.006	9.713546	ug/L
V	51	121568.479	0.348	10.391128	ug/L
Cr	52	110978.661	0.293	10.324329	ug/L
Cr	53	12974.903	0.038	10.730272	ug/L
Co	59	123989.267	0.367	10.358727	ug/L
Cu	63	64279.575	0.190	10.602160	ug/L
Cu	65	29884.573	0.088	10.222027	ug/L
Zn	66	22363.236	0.066	13.457732	ug/L
Zn	68	16229.579	0.047	13.329920	ug/L
Ge	72	337386.486	337386.486		ug/L
As	75	21288.457	0.062	10.096667	ug/L
Se	77	1588.182	0.004	9.142143	ug/L
Se	82	2194.560	0.007	10.171783	ug/L
Rh	103	421804.230	421804.230		ug/L
Ag	107	119063.136	0.282	10.383699	ug/L
Cd	111	26870.704	0.063	10.049048	ug/L
Cd	114	62983.927	0.149	10.124720	ug/L
In	115	316884.876	316884.876		ug/L
Sb	121	88284.877	0.278	10.287086	ug/L
Sb	123	66366.447	0.214	10.309630	ug/L
Tl	203	96818.050	0.250	10.575844	ug/L
Tl	205	242732.828	0.627	11.191882	ug/L
Pb	208	325877.474	0.840	10.668046	ug/L
Bi	209	387180.437	387180.437		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	512741.562	512741.562		ug/L
Be	9	3200.749	0.006	10.081164	ug/L
V	51	123719.862	0.356	10.487578	ug/L
Cr	52	109908.181	0.290	10.208241	ug/L
Cr	53	12877.727	0.038	10.641918	ug/L
Co	59	122250.498	0.362	10.209656	ug/L
Cu	63	64263.701	0.190	10.601456	ug/L
Cu	65	29498.070	0.087	10.436187	ug/L
Zn	66	22606.941	0.066	13.592201	ug/L
Zn	68	16136.374	0.047	13.248847	ug/L
Ge	72	337482.931	337482.931		ug/L
As	75	20848.756	0.060	9.893059	ug/L
Se	77	1627.202	0.004	9.399381	ug/L
Se	82	2086.807	0.006	9.667828	ug/L
Rh	103	423085.603	423085.603		ug/L
Ag	107	117625.766	0.278	10.208342	ug/L
Cd	111	27178.810	0.064	10.208743	ug/L
Cd	114	61010.508	0.144	9.791713	ug/L

: 00865

[	In	115	321098.988	321098.988		ug/L
	Sb	121	87793.111	0.272	10.154568	ug/L
\	Sb	123	69534.934	0.216	10.108953	ug/L
/	Tl	205	97508.976	0.247	10.433844	ug/L
	Tl	205	241081.378	0.612	10.927549	ug/L
	Pb	208	311834.014	0.788	10.208255	ug/L
[	Bi	209	394818.079	394818.078		ug/L

Sample ID: 1000571-BS1
Report Date/Time: Wednesday, January 27, 2010 11:39:06

Sample Information

Sample ID: 0A27021-CCV

Autosampler Position: 2
Sample Date/Time: Wednesday, January 27, 2010 11:43:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-CCV.025
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	493602.761	493602.761				ug/L
	Be	9	12357.805	0.025	40.486461	1.361	3.362	ug/L
	V	51	428555.332	1.249	36.918118	1.680	4.552	ug/L
	Cr	52	402946.243	1.149	40.491207	1.809	4.467	ug/L
	Cr	53	44591.546	0.129	38.102000	0.961	2.521	ug/L
	Co	59	485671.014	1.427	40.263880	1.255	3.118	ug/L
	Cu	63	234295.220	0.689	38.452334	2.243	5.834	ug/L
	Cu	65	117225.386	0.344	41.271318	1.567	3.797	ug/L
	Zn	66	64347.214	0.188	38.735244	0.898	2.319	ug/L
	Zn	68	49533.996	0.144	41.116911	1.674	4.072	ug/L
>	Ge	72	340345.960	340345.960				ug/L
	As	75	83405.763	0.244	39.942083	1.651	4.135	ug/L
	Se	77	6581.097	0.019	40.494178	0.805	1.988	ug/L
	Se	82	8806.410	0.026	40.322184	1.448	3.592	ug/L
>	Rh	103	408961.635	408961.635				ug/L
	Ag	107	441638.947	1.080	39.673105	0.501	1.262	ug/L
	Cd	111	103207.346	0.252	40.126856	1.260	3.140	ug/L
	Cd	114	247332.537	0.605	41.076497	0.271	0.659	ug/L
>	In	115	332759.782	332759.782				ug/L
	Sb	121	341787.212	1.027	38.312338	1.949	5.088	ug/L
	Sb	123	252608.373	0.759	36.641681	2.164	5.906	ug/L
	Tl	203	371034.436	0.953	40.287586	0.822	2.041	ug/L
	Tl	205	886596.224	2.279	40.708429	2.239	5.501	ug/L
	Pb	208	1225934.457	3.149	40.757640	1.324	3.249	ug/L
>	Bi	209	389444.769	389444.769				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.938
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.676
	As	74.922	
	Se	76.920	

00867

Se	81.917		
Rh	102.905	96.762	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	102.987	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	101.568	

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	485438.008	485438.089		ug/L
Be	9	12478.011	0.026	41.541202	ug/L
V	51	424088.888	1.183	34.984558	ug/L
Cr	52	398778.856	1.091	38.431098	ug/L
Cr	53	45181.962	0.125	36.996326	ug/L
Co	59	494442.423	1.393	39.297683	ug/L
Cu	63	226808.973	0.644	35.938808	ug/L
Cu	65	117470.236	0.331	39.634878	ug/L
Zn	66	65333.079	0.183	37.697883	ug/L
Zn	68	49317.158	0.138	39.212006	ug/L
Ge	72	354819.670	354819.670		ug/L
As	75	82942.291	0.232	38.061540	ug/L
Se	77	6710.217	0.018	39.564788	ug/L
Se	82	8817.088	0.026	38.662981	ug/L
Rh	103	403354.856	403354.856		ug/L
Ag	107	439116.364	1.088	39.988830	ug/L
Cd	111	103987.378	0.258	40.988828	ug/L
Cd	114	246100.088	0.608	41.268298	ug/L
In	115	342292.631	342292.631		ug/L
Sb	121	331858.322	0.948	38.126608	ug/L
Sb	123	245023.898	0.716	34.508058	ug/L
Tl	203	376730.208	0.931	39.338088	ug/L
Tl	205	867956.081	2.144	39.293688	ug/L
Pb	208	1227342.688	3.031	39.228879	ug/L
Bi	209	404778.089	404778.089		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	489579.887	489579.887		ug/L
Be	9	12408.893	0.029	40.988010	ug/L
V	51	428462.726	1.277	37.743300	ug/L
Cr	52	406636.262	1.187	41.817577	ug/L
Cr	53	44333.588	0.131	38.758438	ug/L
Co	59	491511.046	1.478	41.662998	ug/L
Cu	63	233534.580	0.702	39.174441	ug/L
Cu	65	118780.319	0.357	42.758243	ug/L
Zn	66	63745.818	0.191	39.254624	ug/L
Zn	68	49223.508	0.147	41.783425	ug/L
Ge	72	332535.788	332535.788		ug/L
As	75	83054.198	0.248	40.671407	ug/L
Se	77	6609.029	0.019	40.982707	ug/L
Se	82	8868.083	0.027	41.484291	ug/L
Rh	103	406184.678	406184.678		ug/L
Ag	107	441800.748	1.087	39.934898	ug/L
Cd	111	104094.813	0.256	40.733264	ug/L
Cd	114	246378.552	0.607	41.194211	ug/L
In	115	333311.238	333311.238		ug/L
Sb	121	348280.280	1.044	38.939488	ug/L
Sb	123	252897.641	0.758	38.580386	ug/L
Tl	203	371204.946	0.984	40.760136	ug/L
Tl	205	886200.882	2.302	41.115320	ug/L
Pb	208	1234873.706	3.208	41.498400	ug/L
Bi	209	384928.507	384928.507		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	505790.200	505790.200		ug/L
Be	9	12188.512	0.024	39.950171	ug/L
V	51	433138.403	1.286	39.026497	ug/L
Cr	52	402424.510	1.170	41.224945	ug/L
Cr	53	44248.077	0.130	38.548234	ug/L
Co	59	471068.524	1.411	39.810982	ug/L
Cu	63	240742.108	0.721	40.245863	ug/L
Cu	65	115445.608	0.346	41.420833	ug/L
Zn	66	63982.747	0.191	39.253046	ug/L
Zn	68	50062.323	0.149	42.356303	ug/L
Ge	72	333682.442	333682.442		ug/L
As	75	84220.800	0.251	41.103303	ug/L
Se	77	6524.043	0.019	40.936029	ug/L
Se	82	8748.050	0.026	40.808280	ug/L
Rh	103	417345.378	417345.378		ug/L
Ag	107	444199.729	1.064	39.095589	ug/L
Cd	111	101559.846	0.243	38.678475	ug/L
Cd	114	250520.989	0.600	40.786988	ug/L

: 00868

I>	In	115	322675.477	322675.477		ug/L
I	Sb	121	345223.052	1.068	38.871017	ug/L
I	Sb	123	259803.583	0.805	38.835801	ug/L
I	Tl	203	385188.258	0.954	40.764364	ug/L
I	Tl	205	908631.730	2.792	42.716280	ug/L
I	Pb	208	1215788.978	3.208	41.544842	ug/L
I>	Bi	209	378627.711	378627.711		ug/L

Sample ID: 0A27021-CCV
Report Date/Time: Wednesday, January 27, 2010 11:45:00

Sample Information

Sample ID: 0A27021-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, January 27, 2010 11:51:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27021.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27021\0A27021-CCB.026
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	488834.595	488834.595				ug/L
⌊	Be	9	1.333	-0.000	-0.007223	0.002	26.958	ug/L
⌈	V	51	3768.809	-0.001	-0.026145	0.012	45.488	ug/L
|	Cr	52	11610.213	-0.002	-0.071332	0.050	70.145	ug/L
|	Cr	53	765.382	0.000	0.027776	0.056	201.336	ug/L
|	Co	59	86.668	-0.000	-0.000707	0.000	39.583	ug/L
|	Cu	63	223.672	0.000	0.001490	0.002	134.384	ug/L
|	Cu	65	109.002	0.000	0.001196	0.001	59.245	ug/L
|	Zn	66	305.010	-0.000	-0.011642	0.007	59.802	ug/L
|	Zn	68	452.352	0.000	0.005370	0.004	73.301	ug/L
|>	Ge	72	343118.045	343118.045				ug/L
|	As	75	463.994	-0.000	-0.000365	0.016	4246.479	ug/L
|	Se	77	156.337	0.000	0.054142	0.099	182.445	ug/L
⌊	Se	82	23.046	0.000	0.162100	0.081	50.155	ug/L
⌈>	Rh	103	416703.296	416703.296				ug/L
|	Ag	107	88.001	0.000	0.002546	0.000	13.531	ug/L
|	Cd	111	7.372	0.000	0.001477	0.002	139.147	ug/L
⌊	Cd	114	20.290	0.000	0.001005	0.001	126.003	ug/L
⌈>	In	115	326906.587	326906.587				ug/L
|	Sb	121	732.712	0.001	0.037013	0.008	20.318	ug/L
⌊	Sb	123	617.695	0.001	0.047294	0.004	8.668	ug/L
⌈	Tl	203	43.001	-0.000	-0.001899	0.001	44.434	ug/L
|	Tl	205	116.669	-0.000	-0.001379	0.000	32.082	ug/L
|	Pb	208	614.683	-0.000	-0.000902	0.001	63.692	ug/L
⌊>	Bi	209	398256.067	398256.067				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.002
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	102.504
|	As	74.922	
|	Se	76.920	

00879

	Se	81.917	
>	Rh	102.905	98.594
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	101.176
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	103.866

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	5008	5008		ug/L
Be	9	1 000	0 000	-0 008418	ug/L
V	51	3674 580	-0 001	-0 025878	ug/L
Cr	52	11827 573	-0 001	-0 038877	ug/L
Cr	53	810 064	0 000	0 082782	ug/L
Co	59	88 001	0 000	0 000410	ug/L
Cu	63	229 048	0 000	0 000338	ug/L
Cu	65	108 002	0 000	0 000773	ug/L
Zn	66	284 006	0 000	0 019816	ug/L
Zn	68	449 018	0 000	0 009078	ug/L
> Ge	72	334233 327	334233 327		ug/L
As	75	463 268	0 000	0 008288	ug/L
Se	77	187 004	0 000	0 144584	ug/L
Se	82	2 008	0 000	0 048224	ug/L
> Rh	103	429188 877	429188 877		ug/L
Ag	107	87 001	0 000	0 002232	ug/L
Cd	111	11 563	0 000	0 002978	ug/L
Cd	114	16 347	0 000	0 000266	ug/L
> In	115	322378 847	322378 847		ug/L
Sb	121	793 052	0 001	0 045092	ug/L
Sb	123	638 405	0 001	0 081180	ug/L
Tl	203	50 001	-0 000	0 001071	ug/L
Tl	205	120 002	-0 000	-0 001142	ug/L
Pb	208	585 015	-0 000	-0 001536	ug/L
> Bi	209	391627 111	391627 111		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
> Li	6	485048 808	485048 808		ug/L
Be	9	2 000	-0 000	-0 004978	ug/L
V	51	3896 261	0 000	-0 014336	ug/L
Cr	52	11824 898	-0 001	-0 048389	ug/L
Cr	53	764 049	0 000	0 027847	ug/L
Co	59	86 001	0 000	-0 000748	ug/L
Cu	63	210 005	0 000	0 000638	ug/L
Cu	65	111 002	0 000	0 000914	ug/L
Zn	66	312 010	0 000	-0 008788	ug/L
Zn	68	448 018	0 000	0 001258	ug/L
> Ge	72	342066 982	342066 982		ug/L
As	75	425 753	-0 000	0 017907	ug/L
Se	77	156 003	0 000	0 086787	ug/L
Se	82	33 174	0 000	0 208670	ug/L
> Rh	103	415735 428	415735 428		ug/L
Ag	107	92 002	0 000	0 002814	ug/L
Cd	111	9 456	0 000	0 002315	ug/L
Cd	114	15 947	0 000	0 000263	ug/L
> In	115	325038 848	325038 848		ug/L
Sb	121	718 043	0 001	0 035732	ug/L
Sb	123	617 157	0 001	0 047881	ug/L
Tl	203	35 000	0 000	0 000758	ug/L
Tl	205	123 002	0 000	-0 001106	ug/L
Pb	208	820 016	0 000	-0 000748	ug/L
> Bi	209	398748 986	398748 986		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
> Li	6	480648 325	480648 325		ug/L
Be	9	1 000	0 000	0 006278	ug/L
V	51	3736 808	0 001	-0 026129	ug/L
Cr	52	11376 186	0 004	-0 126937	ug/L
Cr	53	722 044	-0 000	-0 026083	ug/L
Co	59	86 001	0 000	0 000988	ug/L
Cu	63	232 008	0 000	0 001772	ug/L
Cu	65	111 002	0 000	0 000801	ug/L
Zn	66	319 010	-0 000	-0 009648	ug/L
Zn	68	446 020	0 000	0 005784	ug/L
Ge	72	353084 826	353084 826		ug/L
As	75	502 842	0 000	0 011643	ug/L
Se	77	144 003	0 000	0 049944	ug/L
Se	82	33 956	0 000	0 208407	ug/L
Rh	103	405213 784	405213 784		ug/L
Ag	107	85 001	0 000	0 002491	ug/L
Cd	111	1 108	0 000	0 000886	ug/L
Cd	114	28 574	0 000	0 002467	ug/L

[illegible]	In	115	333304.268	333304.288		ug/L
[illegible]	Sb	121	587.040	0.001	0.030218	ug/L
[illegible]	Sb	123	600.526	0.001	0.043010	ug/L
[illegible]	Tl	203	44.001	-0.000	-0.001888	ug/L
[illegible]	Tl	205	107.002	0.000	-0.001888	ug/L
[illegible]	Pb	208	639.017	0.000	0.000421	ug/L
[illegible]	Bi	209	404387.406	404387.406		ug/L

Sample ID: 0A27021-CCB
Report Date/Time: Wednesday, January 27, 2010 11:53:34

due 2-02
calib: DA27010

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 114 | Data File: DA27039

Date: 1-27-10 | Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060

Analyst: PSC | Internal Standard #: 9110177

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

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 9110400
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 9110402
11. IFB1 9110403

Analysis # / Position #	ID	Dilution			Analysis # / Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
1/17	1000574-blk2				35/51				
2/18	652				36/52				
3/19	1001254-02				37/53				
4/20	1000571-blk2				38/54				
5/21	552				39/55				
6/22	1001254-01				40/56				
7/23					41/57				
8/24					42/58				
9/25					43/59				
10/26					44/60				
11/27					45/61				
12/28					46/62				
13/29					47/63				
14/30					48/64				
15/31					49/65				
16/32					50/66				
17/33					51/67				
18/34					52/68				
19/35					53/69				
20/36					54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 27JAN2010_6020A_C.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	6.975	1530	2025	0.843	
Co	58.933	58.927	14202	2005	0.852	
In	114.904	114.828	27838	2000	0.846	
Ba	137.905	137.929	33461	1990	0.861	
Ce	139.905	139.929	33951	1985	0.875	
Tl	204.975	204.976	49828	1980	0.856	

Report Date/Time: Wednesday, January 27, 2010 12:12:58

Daily Performance Report

Sample ID: 9101006
Sample Date/Time: Wednesday, January 27, 2010 12:13:17
Sample Description:
Method File: C:\elandata\Method\6020A_Daily.mth
Dataset File: C:\elandata\Dataset\daily performance\9101006.2516
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_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	10041.9	10041.893	311.149	3.1
	Co	58.9	116586.3	116586.280	543.349	0.5
	In	114.9	314089.0	314088.985	4282.442	1.4
	Tl	205.0	210871.7	210871.657	6808.273	3.2
⌈>	Ba	137.9	255680.2	255680.216	4053.605	1.6
⌊	Ba++	69.0	3774.0	0.015	0.000	2.3
⌈>	Ce	139.9	328091.2	328091.157	4120.599	1.3
⌊	CeO	155.9	8588.5	0.026	0.001	3.3
	Bkgd	220.0	6.8	6.833	1.941	28.4

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10248.347	10248.347
Co	59	116308.286	116308.286
In	115	312819.010	312819.010
Tl	205	220466.679	220466.679
Ba	138	262281.079	262281.079
Ba++	69	3697.957	0.014
Ce	140	325055.736	325055.736
CeO	156	8390.926	0.026
Bkgd	220	7.000	7.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9750.651	9750.651
Co	59	116238.158	116238.158
In	115	321126.411	321126.411
Tl	205	210300.941	210300.941
Ba	138	252809.754	252809.754
Ba++	69	3776.998	0.015
Ce	140	335886.986	335886.986
CeO	156	9063.747	0.027
Bkgd	220	9.000	9.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10220.307	10220.307
Co	59	117616.446	117616.446
In	115	315025.615	315025.615
Tl	205	207814.741	207814.741
Ba	138	253085.520	253085.520
Ba++	69	3796.008	0.015
Ce	140	327408.626	327408.626
CeO	156	8814.435	0.027
Bkgd	220	6.000	6.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10452.642	10452.642
Co	59	116524.772	116524.772
In	115	311364.411	311364.411

Tl	205	213073.313	213073.313
Ba	138	259216.116	259216.116
Ba++	69	3821.022	0.015
Ce	140	328595.298	328595.298
CeO	156	8651.236	0.026
Bkgd	220	6.000	6.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9669.541	9669.541
Co	59	116137.541	116137.541
In	115	315587.753	315587.753
Tl	205	213562.604	213562.604
Ba	138	253027.653	253027.653
Ba++	69	3768.994	0.015
Ce	140	324441.745	324441.745
CeO	156	8541.103	0.026
Bkgd	220	4.000	4.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9909.870	9909.870
Co	59	116692.476	116692.476
In	115	308610.711	308610.711
Tl	205	200011.661	200011.661
Ba	138	253661.176	253661.176
Ba++	69	3783.002	0.015
Ce	140	327158.550	327158.550
CeO	156	8069.556	0.025
Bkgd	220	9.000	9.000

Sample/Batch Report

User Name: Administrator
Computer Name: ELAN6000_22
Sample File: C:\Elandata\Sample\0A27039.sam
Report Date/Time: Wednesday, January 27, 2010 12:16:48

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000574-BLK2		Sample					
18		1000574-BS2		Sample					
19		1001254-02		Sample					
20		1000571-BLK2		Sample					
21		1000571-BS2		Sample					
22		1001254-01		Sample					

: 00877

Sample Information

Sample ID: 0A27039-CAL1
Autosampler Position: 1
Sample Date/Time: Wednesday, January 27, 2010 12:17:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\0A27039-CAL1.001
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	505360.170					ug/L
⌊	Be	9	1.667					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	502584.318			ug/L
⌊	Be	9	0.000			ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	513578.488			ug/L
⌊	Be	9	3.000			ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	499919.704			ug/L
⌊	Be	9	2.000			ug/L

Sample Information

Sample ID: 0A27039-CAL2
Autosampler Position: 3
Sample Date/Time: Wednesday, January 27, 2010 12:20:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\0A27039-CAL2.002
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	499780.667	499780.667				ug/L
⌊	Be	9	77.001	0.000	0.200000	0.022	10.801	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	503752.468	503752.468		ug/L
⌊	Be	9	87.001	0.000	0.224784	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	484561.468	484561.468		ug/L
⌊	Be	9	71.001	0.000	0.192048	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	511028.068	511028.068		ug/L
⌊	Be	9	73.001	0.000	0.185170	ug/L

Sample Information

Sample ID: 0A27039-CAL3
Autosampler Position: 4
Sample Date/Time: Wednesday, January 27, 2010 12:22:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\0A27039-CAL3.003
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	501440.349	501440.349				ug/L
⌊	Be	9	310.010	0.001	0.991387	0.030	3.010	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	497523.784	497523.784		ug/L
⌊	Be	9	300.009	0.001	0.957070	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	508833.374	508833.374		ug/L
⌊	Be	9	326.011	0.001	1.024600	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	497963.908	497963.908		ug/L
⌊	Be	9	306.010	0.001	0.982403	ug/L

Sample Information

Sample ID: 0A27039-CAL4
Autosampler Position: 5
Sample Date/Time: Wednesday, January 27, 2010 12:25:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\0A27039-CAL4.004
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	505268.213	505268.213				ug/L
⌊	Be	9	3228.095	0.006	10.002970	0.102	1.020	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	503802.419	503802.419		ug/L
⌊	Be	9	3186.743	0.008	9.907584	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	506309.102	506309.102		ug/L
⌊	Be	9	3230.763	0.008	9.990790	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	505893.120	505893.120		ug/L
⌊	Be	9	3268.780	0.008	10.110536	ug/L

: 00881

Sample Information

Sample ID: 0A27039-CAL5
Autosampler Position: 6
Sample Date/Time: Wednesday, January 27, 2010 12:27:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\0A27039-CAL5.005
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	504742.340	504742.340				ug/L
[	Be	9	6597.445	0.013	20.093201	0.061	0.302	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	509823.131	509823.131		ug/L
[	Be	9	6653.184	0.013	20.056810	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	501814.943	501814.943		ug/L
[	Be	9	6582.097	0.013	20.163208	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	502488.946	502488.946		ug/L
[	Be	9	6567.074	0.013	20.059585	ug/L

: 00882

Sample Information

Sample ID: 0A27039-CAL6
Autosampler Position: 7
Sample Date/Time: Wednesday, January 27, 2010 12:29:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\0A27039-CAL6.006
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	503533.814	503533.814				ug/L
⌊	Be	9	15984.030	0.032	49.795793	0.615	1.235	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	497656.483	497656.483		ug/L
⌊	Be	9	15582.133	0.031	49.120383	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	508819.432	508819.432		ug/L
⌊	Be	9	16198.508	0.032	49.943126	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	504126.527	504126.527		ug/L
⌊	Be	9	16171.447	0.032	50.323872	ug/L

: 00883

Sample Information

Sample ID: 0A27039-CAL7
Autosampler Position: 8
Sample Date/Time: Wednesday, January 27, 2010 12:32:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\0A27039-CAL7.007
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	505015.786	505015.786				ug/L
⌊	Be	9	31283.685	0.062	99.346578	3.163	3.183	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	516552.007	516552.007		ug/L
⌊	Be	9	31764.790	0.061	98.578301	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	508258.383	508258.383		ug/L
⌊	Be	9	30840.888	0.060	96.640370	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	490238.988	490238.988		ug/L
⌊	Be	9	31448.379	0.064	102.823083	ug/L

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Linear Thru Zero	0.00	0.00	0.000000
Be	9.012	Linear Thru Zero	0.00	0.00	0.999917

Method Equation

Analyte	Mass	Corrections

Sample Information

Sample ID: 0A27039-SCV1
Autosampler Position: 2
Sample Date/Time: Wednesday, January 27, 2010 12:34:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\0A27039-SCV1.008
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	499648.348	499648.348				ug/L
⌊	Be	9	12327.419	0.025	39.562027	1.236	3.124	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.870
⌊	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	504064.714	504064.714		ug/L
⌊	Be	9	12170.481	0.024	38.702108	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	505981.032	505981.032		ug/L
⌊	Be	9	12312.726	0.024	39.005423	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	488908.299	488908.299		ug/L
⌊	Be	9	12498.051	0.026	40.978550	ug/L

: 00886

Sample Information

Sample ID: 0A27039-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, January 27, 2010 12:37:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\0A27039-CCB.009
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	492396.177	492396.177				ug/L
⌊	Be	9	2.333	0.000	0.002292	0.004	162.345	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.435
⌊	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	490898.280	490898.280		ug/L
⌊	Be	9	3.000	0.000	0.004334	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	488082.147	488082.147		ug/L
⌊	Be	9	1.000	0.000	0.002003	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	489198.104	489198.104		ug/L
⌊	Be	9	3.000	0.000	0.004544	ug/L

: 90887

Sample Information

Sample ID: 0A27039-CRL1
Autosampler Position: 4
Sample Date/Time: Wednesday, January 27, 2010 12:39:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\0A27039-CRL1.010
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	493879.085	493879.085				ug/L
	Be	9	313.343	0.001	1.012656	0.049	4.825	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.728
	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	502542.626	502542.626		ug/L
Be	9	311.010	0.001	0.986836	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	479028.122	479028.122		ug/L
Be	9	321.010	0.001	1.069009	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	500084.606	500084.606		ug/L
Be	9	309.010	0.001	0.982126	ug/L

: 00888

Sample Information

Sample ID: 0A27039-IFA1
Autosampler Position: 10
Sample Date/Time: Wednesday, January 27, 2010 12:42:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\0A27039-IFA1.011
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	494009.932	494009.932				ug/L
[	Be	9	2.333	0.000	0.002274	0.002	78.817	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	97.754
[	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	492078.220	492078.220		ug/L
[	Be	9	2.000	0.000	0.001228	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	498426.029	498426.029		ug/L
[	Be	9	3.000	0.000	0.004343	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	490523.546	490523.546		ug/L
[	Be	9	2.000	0.000	0.001249	ug/L

Sample Information

Sample ID: 0A27039-IFB1
Autosampler Position: 11
Sample Date/Time: Wednesday, January 27, 2010 12:44:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\0A27039-IFB1.012
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	497048.195	497048.195				ug/L
⌊	Be	9	6328.200	0.013	20.403492	0.439	2.150	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.355
⌊	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	497456.298	497456.298		ug/L
⌊	Be	9	6383.915	0.013	20.567838	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	499132.397	499132.397		ug/L
⌊	Be	9	6457.983	0.013	20.736443	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	494556.888	494556.888		ug/L
⌊	Be	9	6142.702	0.012	19.908393	ug/L

: 00890

Sample Information

Sample ID: 0A27039-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, January 27, 2010 12:47:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\0A27039-CCV.013
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	484377.846	484377.846				ug/L
[	Be	9	12311.727	0.025	40.759124	1.429	3.506	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	95.848
[	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	494415.662	494415.662		ug/L
[	Be	9	12073.316	0.024	39.141687	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	480331.576	480331.576		ug/L
[	Be	9	12371.829	0.026	41.285830	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	478386.298	478386.298		ug/L
[	Be	9	12490.038	0.028	41.849853	ug/L

Sample Information

Sample ID: 0A27039-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, January 27, 2010 12:49:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\0A27039-CCB.014
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	485943.321	485943.321				ug/L
	Be	9	2.667	0.000	0.003519	0.004	109.288	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.158
	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	488400.173	488400.173		ug/L
	Be	9	2.000	0.000	0.001278	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	485326.910	485326.910		ug/L
	Be	9	2.000	0.000	0.001319	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	484102.679	484102.679		ug/L
	Be	9	4.000	0.000	0.007958	ug/L

Sample Information

Sample ID: 1000574-BLK2
Autosampler Position: 17
Sample Date/Time: Wednesday, January 27, 2010 12:51:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\1000574-BLK2.015
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	492783.143	492783.143				ug/L
[	Be	9	1.000	-0.000	-0.002022	0.003	162.070	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	97.511
[	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	494231.551	494231.551		ug/L
[	Be	9	1.000	0.000	0.002043	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	494817.083	494817.083		ug/L
[	Be	9	0.000	0.000	-0.005297	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Li	6	489300.783	489300.783		ug/L
[	Be	9	2.000	0.000	0.001268	ug/L

00893

Sample Information

Sample ID: 1000574-BS2
Autosampler Position: 18
Sample Date/Time: Wednesday, January 27, 2010 12:53:45
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\1000574-BS2.016
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	492165.120	492165.120				ug/L
	Be	9	3205.418	0.007	10.435404	0.051	0.490	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.389
	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	492780.933	492780.933		ug/L
	Be	9	3192.746	0.006	10.381122	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	483146.246	483146.246		ug/L
	Be	9	3148.725	0.007	10.442397	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	500568.181	500568.181		ug/L
	Be	9	3274.783	0.007	10.482693	ug/L

: 00894

Sample Information

Sample ID: 1001254-02
Autosampler Position: 19
Sample Date/Time: Wednesday, January 27, 2010 12:55:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\1001254-02.017
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	490198.174	490198.174				ug/L
⌊	Be	9	2.000	0.000	0.001257	0.009	686.491	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.000
⌊	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	484482.360	484482.360		ug/L
⌊	Be	9	1.000	-0.000	-0.001978	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	495055.806	495055.806		ug/L
⌊	Be	9	0.000	0.000	0.005287	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	491058.357	491058.357		ug/L
⌊	Be	9	5.000	0.000	0.011036	ug/L

Sample Information

Sample ID: 1000571-BLK2
Autosampler Position: 20
Sample Date/Time: Wednesday, January 27, 2010 12:57:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\1000571-BLK2.018
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	499158.166	499158.166				ug/L
	Be	9	3.333	0.000	0.005446	0.005	91.941	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.773
	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	499866.298	499866.298		ug/L
Be	9	3.000	0.000	0.004334	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	502906.880	502906.880		ug/L
Be	9	2.000	0.000	0.001088	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	494699.331	494699.331		ug/L
Be	9	5.000	0.000	0.010816	ug/L

Sample Information

Sample ID: 1000571-BS2
Autosampler Position: 21
Sample Date/Time: Wednesday, January 27, 2010 12:59:34
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\1000571-BS2.019
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	494105.366	494105.366				ug/L
	Be	9	3219.425	0.007	10.442350	0.327	3.132	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.773
	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	487510.358	487510.358		ug/L
Be	9	3291.791	0.007	10.819324	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	488882.235	488882.235		ug/L
Be	9	3122.714	0.006	10.234939	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	505843.508	505843.508		ug/L
Be	9	3243.788	0.008	10.272787	ug/L

Sample Information

Sample ID: 1001254-01
Autosampler Position: 22
Sample Date/Time: Wednesday, January 27, 2010 13:01:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\1001254-01.020
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	497830.789	497830.789				ug/L
⌊	Be	9	7.667	0.000	0.019417	0.013	66.406	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.510
⌊	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	485022.219	485022.219		ug/L
⌊	Be	9	7.000	0.000	0.017850	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	502157.630	502157.630		ug/L
⌊	Be	9	12.000	0.000	0.033023	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	508312.319	508312.319		ug/L
⌊	Be	9	4.000	0.000	0.007378	ug/L

00898

Sample Information

Sample ID: 0A27039-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, January 27, 2010 13:03:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\0A27039-CCV.021
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	496424.722	496424.722				ug/L
	Be	9	12475.678	0.025	40.293728	0.930	2.307	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.232
	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	507034.983	507034.983		ug/L
Be	9	12579.122	0.026	39.640137	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	495291.323	495291.323		ug/L
Be	9	12323.745	0.025	39.683044	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	486947.859	486947.859		ug/L
Be	9	12564.188	0.026	41.358003	ug/L

Sample Information

Sample ID: 0A27039-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, January 27, 2010 13:05:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A27039.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A27039\0A27039-CCB.022
Tuning File: C:\Elandata\Tuning\27JAN2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\27JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	487884.026	487884.026				ug/L
⌊	Be	9	3.667	0.000	0.006723	0.005	73.158	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.542
⌊	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	489363.906	489363.906		ug/L
⌊	Be	9	5.000	0.000	0.011083	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	494579.438	494579.438		ug/L
⌊	Be	9	4.000	0.000	0.007878	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	479708.733	479708.733		ug/L
⌊	Be	9	2.000	0.000	0.001387	ug/L

: 00900

approx 1/29

due 2/04
cal ID: OA28008

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 114
Date: 1-28-10
Analyst: DSC

Data File: OA28009
Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060
Internal Standard #: 9110477

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

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 9110400
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 9110402
11. IFB1 9110403

Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
1/17	1000598-blk1				35/51				
2/18	bs1				36/52				
3/19	1001286-01				37/53				
4/20	-02				38/54				
5/21	1 -03				39/55				
6/22	-04				40/56				
7/23	-05				41/57				
8/24	-06				42/58				
9/25	-07				43/59				
10/26	MS1				44/60				
11/27	MSD1				45/61				
12/28	SR01	0.4	10	25X	46/62				
13/29	PS1				47/63				
14/30	-08				48/64				
15/31	-09				49/65				
16/32	-10				50/66				
17/33	-11				51/67				
18/34	-12				52/68				
19/35	-13				53/69				
20/36	-14				54/70				
21/37	-15				55/71				
22/38	-16				56/72				
23/39	1001286-04	0.4	10	25X	57/73				
24/40	-04	1	10	10X	58/74				
25/41	-06	0.2	10	50X	59/75				
26/42	-08	1	10	10X	60/76				
27/43	-09	1	10	10X	61/77				
28/44	-13	0.4	10	25X	62/78				
29/45	-13	1	10	10X	63/79				
30/46	-15	1	10	10X	64/80				
31/47	-16	0.4	10	25X	65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 28JAN2010_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	7.028	1532	2025	0.851	
Co	58.933	58.928	14200	2005	0.850	
In	114.904	114.928	27843	2000	0.846	
Ba	137.905	137.929	33466	1990	0.864	
Ce	139.905	139.879	33944	1985	0.872	
Tl	204.975	204.927	49816	1980	0.851	

Report Date/Time: Thursday, January 28, 2010 08:29:39

Daily Performance Report

Sample ID: 9101006
Sample Date/Time: Thursday, January 28, 2010 08:31:19
Sample Description:
Method File: C:\elandata\Method\6020A_Daily.mth
Dataset File: C:\elandata\Dataset\daily performance\9101006.2518
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_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	10548.5	10548.452	173.290	1.6
	Co	58.9	128165.5	128165.524	2025.983	1.6
	In	114.9	336710.5	336710.461	4328.114	1.3
	Tl	205.0	233453.6	233453.579	2617.420	1.1
⌈>	Ba	137.9	273037.8	273037.754	2260.883	0.8
⌊	Ba++	69.0	4143.0	0.015	0.000	1.9
⌈>	Ce	139.9	348760.6	348760.581	3367.081	1.0
⌊	CeO	155.9	9921.9	0.028	0.001	2.9
	Bkgd	220.0	6.2	6.167	2.714	44.0

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10478.681	10478.681
Co	59	128109.635	128109.635
In	115	331457.543	331457.543
Tl	205	231150.588	231150.588
Ba	138	275128.503	275128.503
Ba++	69	4184.225	0.015
Ce	140	346337.745	346337.745
CeO	156	9488.298	0.027
Bkgd	220	8.000	8.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10631.907	10631.907
Co	59	125911.056	125911.056
In	115	339722.605	339722.605
Tl	205	233381.396	233381.396
Ba	138	272942.041	272942.041
Ba++	69	4236.256	0.016
Ce	140	346942.037	346942.037
CeO	156	9936.907	0.029
Bkgd	220	9.000	9.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10434.616	10434.616
Co	59	131628.756	131628.756
In	115	341882.136	341882.136
Tl	205	230698.313	230698.313
Ba	138	269450.631	269450.631
Ba++	69	4184.225	0.016
Ce	140	355018.743	355018.743
CeO	156	10280.393	0.029
Bkgd	220	2.000	2.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10862.253	10862.253
Co	59	127718.727	127718.727
In	115	335430.892	335430.892

Tl	205	232404.300	232404.300
Ba	138	275690.179	275690.179
Ba++	69	4107.180	0.015
Ce	140	347235.809	347235.809
CeO	156	9527.350	0.027
Bkgd	220	4.000	4.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10396.561	10396.561
Co	59	126588.879	126588.879
In	115	339575.981	339575.981
Tl	205	237304.530	237304.530
Ba	138	273104.495	273104.495
Ba++	69	4071.160	0.015
Ce	140	346797.254	346797.254
CeO	156	10057.075	0.029
Bkgd	220	6.000	6.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10486.692	10486.692
Co	59	129036.088	129036.088
In	115	332193.609	332193.609
Tl	205	235782.346	235782.346
Ba	138	271910.678	271910.678
Ba++	69	4075.162	0.015
Ce	140	350231.899	350231.899
CeO	156	10241.337	0.029
Bkgd	220	8.000	8.000

Sample/Batch Report

User Name: Administrator
Computer Name: ELAN6000_22
Sample File: C:\Elandata\Sample\0A28009.sam
Report Date/Time: Thursday, January 28, 2010 08:36:08

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000598-BLK1		Sample					
18		1000598-BS1		Sample					
19		1001286-01		Sample					
20		1001286-02		Sample					
21		1001286-03		Sample					
22		1001286-04		Sample					
23		1001286-05		Sample					
24		1001286-06		Sample					
25		1001286-07		Sample					
26		1000598-MS1		Sample					
27		1000598-MSD1		Sample					
28		0A28009-SRD1		Sample					
29		1000598-PS1		Sample					
30		1001286-08		Sample					
31		1001286-09		Sample					
32		1001286-10		Sample					
33		1001286-11		Sample					
34		1001286-12		Sample					
35		1001286-13		Sample					
36		1001286-14		Sample					
37		1001286-15		Sample					
38		1001286-16		Sample					

Sample Information

Sample ID: 0A28009-CAL1
Autosampler Position: 1
Sample Date/Time: Thursday, January 28, 2010 08:37:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CAL1.001
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	519081.194					mg/L
	Be	9	1.333					mg/L
	V	51	3820.524					mg/L
	Cr	52	11820.225					mg/L
	Cr	53	795.719					mg/L
	Co	59	124.669					mg/L
	Cu	63	295.009					mg/L
	Cu	65	139.336					mg/L
	Zn	66	351.346					mg/L
	Zn	68	481.354					mg/L
>	Ge	72	370283.183					mg/L
	As	75	285.237					mg/L
	Se	77	173.337					mg/L
	Se	82	-6.101					mg/L
>	Rh	103	444312.759					mg/L
	Ag	107	18.334					mg/L
	Cd	111	4.269					mg/L
	Cd	114	9.337					mg/L
	Tl	203	59.334					mg/L
	Tl	205	129.669					mg/L
	Pb	208	602.349					mg/L
>	Bi	209	429370.149					mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	524874.262			mg/L
	Be	9	2.000			mg/L
	V	51	3879.842			mg/L
	Cr	52	11983.183			mg/L
	Cr	53	800.053			mg/L
	Co	59	129.002			mg/L
	Cu	63	293.008			mg/L
	Cu	65	158.003			mg/L
	Zn	66	375.014			mg/L
	Zn	68	486.022			mg/L
>	Ge	72	371177.477			mg/L
	As	75	238.329			mg/L
	Se	77	178.004			mg/L
	Se	82	28.970			mg/L
>	Rh	103	444145.508			mg/L
	Ag	107	13.000			mg/L
	Cd	111	3.329			mg/L
	Cd	114	9.186			mg/L
	Tl	203	58.001			mg/L
	Tl	205	133.003			mg/L
	Pb	208	604.017			mg/L
>	Bi	209	428750.614			mg/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	524844.042			mg/L
	Be	9	1.000			mg/L
	V	51	3821.815			mg/L
	Cr	52	11819.880			mg/L
	Cr	53	772.049			mg/L
	Co	59	121.002			mg/L
	Cu	63	298.009			mg/L
	Cu	65	130.002			mg/L
	Zn	66	345.012			mg/L
	Zn	68	460.019			mg/L
>	Ge	72	369079.848			mg/L
	As	75	253.551			mg/L
	Se	77	145.003			mg/L
	Se	82	8.656			mg/L
>	Rh	103	447109.124			mg/L
	Ag	107	13.000			mg/L
	Cd	111	2.148			mg/L
	Cd	114	9.049			mg/L
	Tl	203	58.001			mg/L
	Tl	205	127.002			mg/L
	Pb	208	587.015			mg/L
>	Bi	209	432324.185			mg/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	507829.278			mg/L
	Be	9	1.000			mg/L
	V	51	3758.914			mg/L
	Cr	52	11667.622			mg/L
	Cr	53	815.066			mg/L
	Co	59	125.002			mg/L
	Cu	63	298.009			mg/L
	Cu	65	135.003			mg/L
	Zn	66	334.011			mg/L
	Zn	68	488.022			mg/L
>	Ge	72	370592.227			mg/L
	As	75	363.830			mg/L
	Se	77	199.005			mg/L
	Se	82	18.322			mg/L
>	Rh	103	441883.646			mg/L
	Ag	107	29.000			mg/L
	Cd	111	7.330			mg/L
	Cd	114	9.778			mg/L
	Tl	203	57.001			mg/L
	Tl	205	134.003			mg/L
	Pb	208	616.016			mg/L
>	Bi	209	426035.648			mg/L

: 00907

Sample Information

Sample ID: 0A28009-CAL2
Autosampler Position: 9
Sample Date/Time: Thursday, January 28, 2010 08:40:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CAL2.002
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	513494.355	513494.355				mg/L
⌊	Be	9	15.334	0.000				mg/L
⌈	V	51	4340.205	0.002				mg/L
|	Cr	52	12304.046	0.002				mg/L
|	Cr	53	841.725	0.000				mg/L
|	Co	59	626.700	0.001				mg/L
|	Cu	63	600.365	0.001				mg/L
|	Cu	65	279.675	0.000				mg/L
|	Zn	66	591.030	0.001				mg/L
|	Zn	68	666.704	0.001				mg/L
|>	Ge	72	367021.894	367021.894				mg/L
|	As	75	396.401	0.000				mg/L
|	Se	77	174.337	0.000				mg/L
⌊	Se	82	1.209	0.000				mg/L
⌈>	Rh	103	442139.910	442139.910				mg/L
|	Ag	107	488.355	0.001	0.000040	0.000	6.039	mg/L
|	Cd	111	117.903	0.000	0.000040	0.000	1.142	mg/L
⌊	Cd	114	275.755	0.001	0.000040	0.000	8.241	mg/L
⌈	Tl	203	467.353	0.001	0.000040	0.000	5.650	mg/L
|	Tl	205	1091.761	0.002	0.000040	0.000	3.312	mg/L
|	Pb	208	1934.122	0.003				mg/L
⌊>	Bi	209	431180.481	431180.481				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	515372.176	515372.176		mg/L
Be	9	17.000	0.000		mg/L
V	51	4414.319	0.002		mg/L
Cr	52	12475.008	0.002		mg/L
Cr	53	828.058	0.000		mg/L
Co	59	626.034	0.001		mg/L
Cu	63	613.032	0.001		mg/L
Cu	65	287.008	0.000		mg/L
Zn	66	633.034	0.001		mg/L
Zn	68	690.040	0.001		mg/L
Ge	72	370548.019	370548.019		mg/L
As	75	415.337	0.000		mg/L
Se	77	192.006	0.000		mg/L
Se	82	-11.024	0.000		mg/L
Rh	103	445126.868	445126.868		mg/L
Ag	107	465.029	0.001	0.000038	mg/L
Cd	111	118.456	0.000	0.000040	mg/L
Cd	114	297.292	0.001	0.000043	mg/L
Tl	203	477.021	0.001	0.000041	mg/L
Tl	205	1056.089	0.002	0.000038	mg/L
Pb	208	1946.121	0.003		mg/L
Bi	209	432779.562	432779.562		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	511787.673	511787.673		mg/L
Be	9	16.000	0.000		mg/L
V	51	4324.115	0.001		mg/L
Cr	52	12188.480	0.001		mg/L
Cr	53	845.058	0.000		mg/L
Co	59	660.037	0.001		mg/L
Cu	63	621.033	0.001		mg/L
Cu	65	276.008	0.000		mg/L
Zn	66	571.029	0.001		mg/L
Zn	68	631.034	0.000		mg/L
Ge	72	371609.078	371609.078		mg/L
As	75	425.816	0.000		mg/L
Se	77	162.003	0.000		mg/L
Se	82	5.212	0.000		mg/L
Rh	103	440312.758	440312.758		mg/L
Ag	107	483.021	0.001	0.000040	mg/L
Cd	111	118.812	0.000	0.000040	mg/L
Cd	114	250.027	0.001	0.000038	mg/L
Tl	203	486.021	0.001	0.000042	mg/L
Tl	205	1112.088	0.002	0.000041	mg/L
Pb	208	1952.123	0.003		mg/L
Bi	209	430897.732	430897.732		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	513323.218	513323.218		mg/L
Be	9	13.000	0.000		mg/L
V	51	4282.182	0.002		mg/L
Cr	52	12267.648	0.002		mg/L
Cr	53	854.060	0.000		mg/L
Co	59	594.031	0.001		mg/L
Cu	63	567.028	0.001		mg/L
Cu	65	276.008	0.000		mg/L
Zn	66	569.028	0.001		mg/L
Zn	68	679.036	0.001		mg/L
Ge	72	358908.588	358908.588		mg/L
As	75	348.049	0.000		mg/L
Se	77	169.004	0.000		mg/L
Se	82	9.439	0.000		mg/L
Rh	103	440980.105	440980.105		mg/L
Ag	107	517.024	0.001	0.000043	mg/L
Cd	111	116.436	0.000	0.000040	mg/L
Cd	114	279.048	0.001	0.000041	mg/L
Tl	203	440.018	0.001	0.000037	mg/L
Tl	205	1104.088	0.002	0.000041	mg/L
Pb	208	1904.121	0.003		mg/L
Bi	209	429864.151	429864.151		mg/L

Sample Information

Sample ID: 0A28009-CAL3
Autosampler Position: 3
Sample Date/Time: Thursday, January 28, 2010 08:43:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CAL3.003
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	510840.813	510840.813				mg/L
⌊	Be	9	62.001	0.000	0.000200	0.000	14.365	mg/L
⌈	V	51	6227.496	0.007	0.000200	0.000	12.267	mg/L
|	Cr	52	13968.118	0.006	0.000200	0.000	7.273	mg/L
|	Cr	53	1030.085	0.001	0.000200	0.000	9.631	mg/L
|	Co	59	2649.184	0.007	0.000200	0.000	0.994	mg/L
|	Cu	63	1500.173	0.003	0.000200	0.000	1.147	mg/L
|	Cu	65	739.379	0.002	0.000200	0.000	8.529	mg/L
|	Zn	66	746.046	0.001	0.000200	0.000	6.391	mg/L
|	Zn	68	773.716	0.001	0.000200	0.000	2.444	mg/L
|>	Ge	72	366762.462	366762.462				mg/L
|	As	75	790.472	0.001	0.000200	0.000	7.233	mg/L
|	Se	77	202.672	0.000	0.000200	0.000	21.543	mg/L
⌊	Se	82	59.630	0.000	0.000200	0.000	7.835	mg/L
⌈>	Rh	103	446944.963	446944.963				mg/L
|	Ag	107	2460.449	0.005	0.000200	0.000	2.980	mg/L
|	Cd	111	544.291	0.001	0.000200	0.000	5.147	mg/L
⌊	Cd	114	1251.063	0.003	0.000199	0.000	3.988	mg/L
⌈	Tl	203	2020.639	0.004	0.000200	0.000	3.532	mg/L
|	Tl	205	4875.712	0.011	0.000200	0.000	0.818	mg/L
|	Pb	208	7079.781	0.015	0.000200	0.000	2.912	mg/L
⌊>	Bi	209	436363.134	436363.134				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	

00910

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	512190.036	512190.036		mg/L
Be	9	67.001	0.000	0.000216	mg/L
V	51	6257.757	0.007	0.000208	mg/L
Cr	52	13987.822	0.008	0.000210	mg/L
Cr	53	998.080	0.001	0.000180	mg/L
Co	59	2632.511	0.007	0.000200	mg/L
Cu	63	1481.188	0.003	0.000198	mg/L
Cu	65	783.048	0.002	0.000210	mg/L
Zn	66	789.048	0.001	0.000214	mg/L
Zn	68	783.048	0.001	0.000198	mg/L
Ge	72	364218.449	364218.449		mg/L
As	75	790.804	0.001	0.000202	mg/L
Se	77	194.005	0.000	0.000153	mg/L
Se	82	53.324	0.000	0.000182	mg/L
Rh	103	449850.494	449850.494		mg/L
Ag	107	2444.443	0.006	0.000198	mg/L
Cd	111	560.924	0.001	0.000204	mg/L
Cd	114	1207.727	0.003	0.000191	mg/L
Tl	203	2081.318	0.006	0.000205	mg/L
Tl	205	4586.688	0.011	0.000200	mg/L
Pb	208	7185.485	0.016	0.000204	mg/L
Bi	209	434541.892	434541.892		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	508917.031	508917.031		mg/L
Be	9	67.001	0.000	0.000217	mg/L
V	51	5923.407	0.006	0.000173	mg/L
Cr	52	13539.533	0.008	0.000183	mg/L
Cr	53	1057.088	0.001	0.000215	mg/L
Co	59	2634.512	0.007	0.000198	mg/L
Cu	63	1499.172	0.003	0.000199	mg/L
Cu	65	773.050	0.002	0.000210	mg/L
Zn	66	742.046	0.001	0.000196	mg/L
Zn	68	774.050	0.001	0.000198	mg/L
Ge	72	358330.611	358330.611		mg/L
As	75	754.418	0.001	0.000185	mg/L
Se	77	205.005	0.000	0.000210	mg/L
Se	82	63.333	0.000	0.000211	mg/L
Rh	103	444428.313	444428.313		mg/L
Ag	107	2395.426	0.006	0.000196	mg/L
Cd	111	560.017	0.001	0.000208	mg/L
Cd	114	1247.635	0.003	0.000200	mg/L
Tl	203	1976.293	0.004	0.000192	mg/L
Tl	205	4922.748	0.011	0.000198	mg/L
Pb	208	6987.419	0.014	0.000193	mg/L
Bi	209	444067.898	444067.898		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	511415.371	511415.371		mg/L
Be	9	52.001	0.000	0.000187	mg/L
V	51	6501.325	0.007	0.000221	mg/L
Cr	52	14076.998	0.008	0.000208	mg/L
Cr	53	1034.085	0.001	0.000201	mg/L
Co	59	2680.530	0.007	0.000202	mg/L
Cu	63	1520.177	0.003	0.000203	mg/L
Cu	65	682.039	0.001	0.000180	mg/L
Zn	66	727.044	0.001	0.000189	mg/L
Zn	68	784.051	0.001	0.000206	mg/L
Ge	72	367740.327	367740.327		mg/L
As	75	826.192	0.001	0.000213	mg/L
Se	77	209.006	0.000	0.000237	mg/L
Se	82	62.231	0.000	0.000207	mg/L
Rh	103	446656.081	446656.081		mg/L
Ag	107	2541.477	0.006	0.000207	mg/L
Cd	111	511.933	0.001	0.000188	mg/L
Cd	114	1297.628	0.003	0.000207	mg/L
Tl	203	2024.307	0.006	0.000203	mg/L
Tl	205	4848.684	0.011	0.000201	mg/L
Pb	208	7068.429	0.015	0.000203	mg/L
Bi	209	430478.613	430478.613		mg/L

: 00911

Sample Information

Sample ID: 0A28009-CAL4
Autosampler Position: 4
Sample Date/Time: Thursday, January 28, 2010 08:47:15
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CAL4.004
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	511344.494	511344.494				mg/L
⌊	Be	9	307.010	0.001	0.001000	0.000	10.292	mg/L
⌈	V	51	15299.493	0.032	0.000998	0.000	2.633	mg/L
|	Cr	52	21668.033	0.027	0.000995	0.000	2.268	mg/L
|	Cr	53	1929.280	0.003	0.000998	0.000	4.783	mg/L
|	Co	59	12699.406	0.034	0.001000	0.000	0.285	mg/L
|	Cu	63	6568.752	0.017	0.001002	0.000	1.264	mg/L
|	Cu	65	3187.076	0.008	0.001001	0.000	0.686	mg/L
|	Zn	66	2088.993	0.005	0.000995	0.000	2.894	mg/L
|	Zn	68	1739.229	0.003	0.000994	0.000	2.744	mg/L
|>	Ge	72	365252.108	365252.108				mg/L
|	As	75	2386.154	0.006	0.000992	0.000	5.292	mg/L
|	Se	77	335.011	0.000	0.001002	0.000	3.096	mg/L
⌊	Se	82	209.907	0.001	0.000981	0.000	3.154	mg/L
⌈>	Rh	103	442175.073	442175.073				mg/L
|	Ag	107	11870.312	0.027	0.000999	0.000	3.621	mg/L
|	Cd	111	2677.286	0.006	0.001000	0.000	1.983	mg/L
⌊	Cd	114	6345.144	0.014	0.001001	0.000	1.561	mg/L
⌈	Tl	203	9780.125	0.023	0.001000	0.000	2.099	mg/L
|	Tl	205	23628.593	0.055	0.001000	0.000	2.075	mg/L
|	Pb	208	32542.407	0.074	0.001000	0.000	1.020	mg/L
⌊>	Bi	209	429010.784	429010.784				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	509508.190	509508.190		mg/L
Be	9	288.008	0.001	0.000834	mg/L
V	51	15624.681	0.032	0.001027	mg/L
Cr	52	21666.026	0.027	0.000986	mg/L
Cr	53	1866.282	0.003	0.000943	mg/L
Co	59	12852.322	0.034	0.000987	mg/L
Cu	63	6507.029	0.017	0.000982	mg/L
Cu	65	3198.748	0.008	0.001006	mg/L
Zn	66	2058.317	0.006	0.000978	mg/L
Zn	68	1705.221	0.003	0.000987	mg/L
Ge	72	365065.181	365065.181		mg/L
As	75	2481.256	0.008	0.001038	mg/L
Se	77	332.011	0.000	0.000985	mg/L
Se	82	202.070	0.001	0.000948	mg/L
Rh	103	445911.624	445911.624		mg/L
Ag	107	11534.421	0.026	0.000983	mg/L
Cd	111	2667.936	0.008	0.000986	mg/L
Cd	114	8295.711	0.014	0.000986	mg/L
Tl	203	9910.970	0.023	0.001008	mg/L
Tl	205	23415.551	0.054	0.000983	mg/L
Pb	208	33043.372	0.078	0.001008	mg/L
Bi	209	432495.080	432495.080		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	518210.980	518210.980		mg/L
Be	9	295.009	0.001	0.000848	mg/L
V	51	15185.138	0.031	0.000982	mg/L
Cr	52	21828.521	0.028	0.001017	mg/L
Cr	53	1951.286	0.003	0.001022	mg/L
Co	59	12678.365	0.034	0.001001	mg/L
Cu	63	6640.151	0.017	0.001016	mg/L
Cu	65	3187.743	0.008	0.001004	mg/L
Zn	66	2063.316	0.006	0.000978	mg/L
Zn	68	1770.237	0.004	0.001022	mg/L
Ge	72	384209.088	384209.088		mg/L
As	75	2405.298	0.008	0.001004	mg/L
Se	77	331.011	0.000	0.000984	mg/L
Se	82	214.382	0.001	0.001004	mg/L
Rh	103	442777.351	442777.351		mg/L
Ag	107	11901.025	0.027	0.001000	mg/L
Cd	111	2652.030	0.008	0.000988	mg/L
Cd	114	8449.086	0.015	0.001016	mg/L
Tl	203	9914.976	0.023	0.001018	mg/L
Tl	205	24078.787	0.056	0.001023	mg/L
Pb	208	32045.318	0.074	0.000988	mg/L
Bi	209	427381.902	427381.902		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	506223.331	506223.331		mg/L
Be	9	340.011	0.001	0.001118	mg/L
V	51	15088.680	0.031	0.000975	mg/L
Cr	52	21509.552	0.027	0.000972	mg/L
Cr	53	1971.292	0.003	0.001029	mg/L
Co	59	12789.532	0.035	0.001002	mg/L
Cu	63	6558.078	0.017	0.000997	mg/L
Cu	65	3173.737	0.008	0.000993	mg/L
Zn	66	2154.346	0.005	0.001028	mg/L
Zn	68	1742.230	0.003	0.000991	mg/L
Ge	72	366482.055	366482.055		mg/L
As	75	2271.911	0.006	0.000935	mg/L
Se	77	342.012	0.000	0.001038	mg/L
Se	82	213.258	0.001	0.000983	mg/L
Rh	103	437836.246	437836.246		mg/L
Ag	107	12175.490	0.028	0.001036	mg/L
Cd	111	2711.894	0.008	0.001023	mg/L
Cd	114	8290.626	0.014	0.001002	mg/L
Tl	203	9514.426	0.022	0.000977	mg/L
Tl	205	23381.472	0.054	0.000984	mg/L
Pb	208	32538.530	0.075	0.001004	mg/L
Bi	209	427185.368	427185.368		mg/L

Sample Information

Sample ID: 0A28009-CAL5
Autosampler Position: 5
Sample Date/Time: Thursday, January 28, 2010 08:50:39
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CAL5.005
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	512340.258	512340.258				mg/L
⌊	Be	9	3253.107	0.006	0.010006	0.000	4.032	mg/L
⌈	V	51	121198.836	0.323	0.010002	0.000	1.665	mg/L
|	Cr	52	112789.687	0.278	0.010001	0.000	1.785	mg/L
|	Cr	53	12953.869	0.033	0.010006	0.000	3.131	mg/L
|	Co	59	129375.148	0.355	0.010003	0.000	0.312	mg/L
|	Cu	63	64939.183	0.178	0.010004	0.000	1.316	mg/L
|	Cu	65	31017.177	0.085	0.010002	0.000	0.391	mg/L
|	Zn	66	17488.559	0.047	0.009998	0.000	0.958	mg/L
|	Zn	68	12974.571	0.034	0.009999	0.000	1.320	mg/L
\>	Ge	72	363909.416	363909.416				mg/L
|	As	75	21521.889	0.058	0.010001	0.000	2.376	mg/L
|	Se	77	1870.598	0.005	0.010004	0.001	5.666	mg/L
⌊	Se	82	2197.035	0.006	0.010000	0.000	1.963	mg/L
⌈>	Rh	103	440635.989	440635.989				mg/L
|	Ag	107	120178.766	0.273	0.010002	0.000	0.299	mg/L
|	Cd	111	28351.664	0.064	0.010006	0.000	0.633	mg/L
⌊	Cd	114	64415.659	0.146	0.010002	0.000	0.953	mg/L
⌈	Tl	203	101282.750	0.234	0.010003	0.000	1.923	mg/L
|	Tl	205	243453.416	0.563	0.010003	0.000	1.003	mg/L
|	Pb	208	328747.202	0.759	0.010002	0.000	1.819	mg/L
⌊>	Bi	209	432257.077	432257.077				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	

: 00914

Cd	110.904
Cd	113.904
Tl	202.972
Tl	204.975
Pb	207.977
Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	504873.496	504873.496		mg/L
Be	9	3308.800	0.007	0.010335	mg/L
V	51	121948.003	0.328	0.010157	mg/L
Cr	52	113842.180	0.284	0.010204	mg/L
Cr	53	13150.225	0.034	0.010262	mg/L
Co	59	126358.278	0.356	0.010012	mg/L
Cu	63	65081.798	0.180	0.010114	mg/L
Cu	65	30850.789	0.086	0.010038	mg/L
Zn	66	17410.387	0.047	0.010042	mg/L
Zn	68	12894.756	0.034	0.010026	mg/L
Ge	72	360712.136	360712.136		mg/L
As	75	21583.245	0.060	0.010119	mg/L
Se	77	1781.240	0.004	0.009874	mg/L
Se	82	2215.982	0.006	0.010175	mg/L
Rh	103	438327.019	438327.019		mg/L
Ag	107	119962.166	0.274	0.010036	mg/L
Cd	111	28101.618	0.084	0.009870	mg/L
Cd	114	64230.638	0.147	0.010028	mg/L
Tl	203	100241.476	0.229	0.009788	mg/L
Tl	205	243498.268	0.557	0.009883	mg/L
Pb	208	326754.256	0.748	0.009830	mg/L
Bi	209	437109.704	437109.704		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	517751.358	517751.358		mg/L
Be	9	3327.808	0.008	0.010127	mg/L
V	51	119984.887	0.317	0.009826	mg/L
Cr	52	112243.135	0.274	0.009868	mg/L
Cr	53	12619.263	0.032	0.009857	mg/L
Co	59	130823.884	0.356	0.010029	mg/L
Cu	63	64456.157	0.175	0.009858	mg/L
Cu	65	31261.573	0.085	0.010010	mg/L
Zn	66	17423.398	0.047	0.009888	mg/L
Zn	68	13212.340	0.036	0.010114	mg/L
Ge	72	366488.387	366488.387		mg/L
As	75	21081.137	0.057	0.009727	mg/L
Se	77	1993.298	0.005	0.010846	mg/L
Se	82	2165.640	0.006	0.009788	mg/L
Rh	103	442267.148	442267.148		mg/L
Ag	107	120430.980	0.272	0.009986	mg/L
Cd	111	28350.533	0.084	0.009888	mg/L
Cd	114	65178.636	0.147	0.010083	mg/L
Tl	203	101111.624	0.236	0.010059	mg/L
Tl	205	243778.559	0.568	0.010089	mg/L
Pb	208	332548.952	0.774	0.010192	mg/L
Bi	209	429093.834	429093.834		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	514695.924	514695.924		mg/L
Be	9	3121.713	0.008	0.009658	mg/L
V	51	121685.839	0.323	0.010023	mg/L
Cr	52	112283.787	0.276	0.009931	mg/L
Cr	53	13092.118	0.034	0.010100	mg/L
Co	59	129145.316	0.354	0.009889	mg/L
Cu	63	65279.583	0.178	0.010036	mg/L
Cu	65	30939.170	0.084	0.009950	mg/L
Zn	66	17631.911	0.047	0.010084	mg/L
Zn	68	12916.616	0.034	0.009855	mg/L
Ge	72	364527.744	364527.744		mg/L
As	75	21891.285	0.058	0.010158	mg/L
Se	77	1837.256	0.005	0.009792	mg/L
Se	82	2209.483	0.006	0.010038	mg/L
Rh	103	441313.800	441313.800		mg/L
Ag	107	120143.171	0.272	0.009883	mg/L
Cd	111	28502.640	0.085	0.010079	mg/L
Cd	114	63837.704	0.145	0.009897	mg/L
Tl	203	102495.147	0.238	0.010162	mg/L
Tl	205	243082.421	0.564	0.010028	mg/L
Pb	208	326918.399	0.758	0.009984	mg/L
Bi	209	430567.692	430567.692		mg/L

00915

Sample Information

Sample ID: 0A28009-CAL6
Autosampler Position: 6
Sample Date/Time: Thursday, January 28, 2010 08:54:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CAL6.006
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	504012.612	504012.612				mg/L
⌊	Be	9	6433.627	0.013	0.020024	0.000	1.768	mg/L
⌈	V	51	237897.125	0.648	0.020016	0.000	0.720	mg/L
|	Cr	52	212713.745	0.557	0.020004	0.000	0.868	mg/L
|	Cr	53	24539.663	0.066	0.019932	0.000	1.278	mg/L
|	Co	59	261100.442	0.722	0.020067	0.000	0.811	mg/L
|	Cu	63	126992.572	0.351	0.019947	0.000	1.294	mg/L
|	Cu	65	60773.718	0.168	0.019954	0.000	0.635	mg/L
|	Zn	66	34582.527	0.095	0.020021	0.000	1.096	mg/L
|	Zn	68	25458.878	0.069	0.020025	0.000	1.034	mg/L
|>	Ge	72	361433.874	361433.874				mg/L
|	As	75	43151.738	0.119	0.020064	0.000	0.369	mg/L
|	Se	77	3446.199	0.009	0.019880	0.000	1.540	mg/L
⌊	Se	82	4610.759	0.013	0.020213	0.001	2.907	mg/L
⌈>	Rh	103	434384.054	434384.054				mg/L
|	Ag	107	239173.371	0.551	0.020039	0.000	1.066	mg/L
|	Cd	111	55800.720	0.128	0.019996	0.000	1.566	mg/L
⌊	Cd	114	128683.778	0.296	0.020054	0.000	0.846	mg/L
⌈	Tl	203	199944.854	0.468	0.019995	0.000	1.665	mg/L
|	Tl	205	480440.852	1.124	0.019994	0.000	2.090	mg/L
|	Pb	208	653336.368	1.527	0.020024	0.000	2.098	mg/L
⌊>	Bi	209	427441.198	427441.198				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	495327.722	495327.722		mg/L
Be	9	6452.978	0.013	0.020433	mg/L
V	51	238563.002	0.648	0.019936	mg/L
Cr	52	214498.132	0.558	0.020039	mg/L
Cr	53	24719.848	0.066	0.019846	mg/L
Co	59	261739.830	0.719	0.019982	mg/L
Cu	63	126148.387	0.346	0.019880	mg/L
Cu	65	60775.082	0.167	0.019821	mg/L
Zn	66	34366.985	0.094	0.019778	mg/L
Zn	68	25398.322	0.068	0.019838	mg/L
Ge	72	363854.690	363854.690		mg/L
As	75	43467.639	0.119	0.020076	mg/L
Se	77	3410.648	0.009	0.019527	mg/L
Se	82	4529.035	0.012	0.019721	mg/L
Rh	103	436829.383	436829.383		mg/L
Ag	107	238504.879	0.546	0.019879	mg/L
Cd	111	55302.739	0.127	0.019714	mg/L
Cd	114	129089.256	0.293	0.019858	mg/L
Tl	203	187534.075	0.458	0.019823	mg/L
Tl	205	474214.387	1.102	0.019902	mg/L
Pb	208	656734.078	1.525	0.019993	mg/L
Bi	209	430256.708	430256.708		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	507987.207	507987.207		mg/L
Be	9	6417.946	0.013	0.019815	mg/L
V	51	236874.683	0.645	0.019829	mg/L
Cr	52	210810.720	0.551	0.019818	mg/L
Cr	53	24228.283	0.065	0.019871	mg/L
Co	59	259766.708	0.718	0.019883	mg/L
Cu	63	127108.241	0.351	0.019886	mg/L
Cu	65	60815.404	0.168	0.019858	mg/L
Zn	66	34585.357	0.096	0.020081	mg/L
Zn	68	25413.382	0.069	0.019888	mg/L
Ge	72	361417.490	361417.490		mg/L
As	75	42980.350	0.118	0.019885	mg/L
Se	77	3478.881	0.009	0.020086	mg/L
Se	82	4574.966	0.013	0.020084	mg/L
Rh	103	436740.087	436740.087		mg/L
Ag	107	239483.144	0.548	0.019956	mg/L
Cd	111	55954.013	0.128	0.019941	mg/L
Cd	114	129966.234	0.298	0.020144	mg/L
Tl	203	203215.209	0.470	0.020099	mg/L
Tl	205	484653.401	1.121	0.019948	mg/L
Pb	208	647387.593	1.497	0.019821	mg/L
Bi	209	432145.863	432145.863		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	508722.908	508722.908		mg/L
Be	9	6428.987	0.013	0.019824	mg/L
V	51	238253.719	0.653	0.020182	mg/L
Cr	52	212832.384	0.561	0.020157	mg/L
Cr	53	24670.778	0.067	0.020180	mg/L
Co	59	261794.791	0.729	0.020258	mg/L
Cu	63	127724.088	0.355	0.020198	mg/L
Cu	65	60730.687	0.169	0.020073	mg/L
Zn	66	34665.260	0.096	0.020204	mg/L
Zn	68	25566.930	0.070	0.020248	mg/L
Ge	72	359029.441	359029.441		mg/L
As	75	43007.225	0.119	0.020131	mg/L
Se	77	3450.868	0.009	0.020048	mg/L
Se	82	4728.276	0.013	0.020863	mg/L
Rh	103	429786.691	429786.691		mg/L
Ag	107	239522.091	0.557	0.020281	mg/L
Cd	111	56145.407	0.131	0.020333	mg/L
Cd	114	127996.848	0.298	0.020160	mg/L
Tl	203	199065.277	0.474	0.020264	mg/L
Tl	205	482484.768	1.149	0.020434	mg/L
Pb	208	656807.434	1.561	0.020458	mg/L
Bi	209	419922.028	419922.028		mg/L

Sample ID: 0A28009-CAL6
Report Date/Time: Thursday, January 28, 2010 08:55:43

Sample Information

Sample ID: 0A28009-CAL7
Autosampler Position: 7
Sample Date/Time: Thursday, January 28, 2010 08:57:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CAL7.007
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	498158.315	498158.315				mg/L
	Be	9	15564.428	0.031	0.049832	0.000	0.644	mg/L
	V	51	560821.295	1.559	0.049684	0.001	1.829	mg/L
	Cr	52	492212.876	1.345	0.049717	0.001	1.598	mg/L
	Cr	53	58553.270	0.162	0.049833	0.001	1.219	mg/L
	Co	59	624694.521	1.748	0.049755	0.000	0.460	mg/L
	Cu	63	305779.004	0.855	0.049767	0.000	0.450	mg/L
	Cu	65	146788.424	0.410	0.049796	0.000	0.485	mg/L
	Zn	66	83329.764	0.232	0.049843	0.000	0.729	mg/L
	Zn	68	60021.059	0.167	0.049702	0.000	0.601	mg/L
>	Ge	72	357392.791	357392.791				mg/L
	As	75	102412.707	0.286	0.049715	0.000	0.622	mg/L
	Se	77	8329.270	0.023	0.050013	0.001	1.501	mg/L
	Se	82	11002.414	0.031	0.049786	0.001	2.798	mg/L
>	Rh	103	431575.803	431575.803				mg/L
	Ag	107	575018.003	1.332	0.049741	0.000	0.391	mg/L
	Cd	111	133533.117	0.309	0.049683	0.001	1.515	mg/L
	Cd	114	313849.715	0.727	0.049870	0.000	0.265	mg/L
	Tl	203	483486.923	1.147	0.049838	0.000	0.779	mg/L
	Tl	205	1159850.676	2.752	0.049823	0.001	1.280	mg/L
	Pb	208	1571202.779	3.727	0.049806	0.001	1.209	mg/L
>	Bi	209	421470.755	421470.755				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

: 00918

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	496299.853	496299.853		mg/L
Be	9	15620.217	0.031	0.050197	mg/L
V	51	556998.341	1.533	0.048864	mg/L
Cr	52	488741.517	1.325	0.048875	mg/L
Cr	53	58648.357	0.160	0.049429	mg/L
Co	59	627545.977	1.739	0.049606	mg/L
Cu	63	307123.798	0.850	0.049608	mg/L
Cu	65	147389.588	0.408	0.049623	mg/L
Zn	66	63978.618	0.232	0.049751	mg/L
Zn	68	60410.980	0.168	0.049546	mg/L
Ge	72	360828.814	360828.814		mg/L
As	75	102719.910	0.284	0.049387	mg/L
Se	77	8269.887	0.022	0.048162	mg/L
Se	82	10751.114	0.030	0.048178	mg/L
Rh	103	431656.582	431656.582		mg/L
Ag	107	573354.029	1.328	0.049588	mg/L
Cd	111	135430.462	0.314	0.050378	mg/L
Cd	114	314870.454	0.729	0.050022	mg/L
Tl	203	488142.414	1.137	0.049389	mg/L
Tl	206	1166561.777	2.717	0.049185	mg/L
Pb	208	1578487.489	3.678	0.049111	mg/L
Bi	209	429383.781	429383.781		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	500502.473	500502.473		mg/L
Be	9	15843.082	0.031	0.049583	mg/L
V	51	567041.667	1.590	0.050862	mg/L
Cr	52	496156.381	1.358	0.050568	mg/L
Cr	53	58858.173	0.164	0.050532	mg/L
Co	59	620492.223	1.749	0.049808	mg/L
Cu	63	304003.444	0.857	0.049898	mg/L
Cu	65	145823.926	0.411	0.049887	mg/L
Zn	66	63292.850	0.234	0.050244	mg/L
Zn	68	59827.942	0.168	0.050046	mg/L
Ge	72	354390.109	354390.109		mg/L
As	75	102139.018	0.287	0.050001	mg/L
Se	77	8351.953	0.023	0.050581	mg/L
Se	82	11101.663	0.031	0.050662	mg/L
Rh	103	433919.720	433919.720		mg/L
Ag	107	577389.497	1.331	0.049876	mg/L
Cd	111	132101.752	0.304	0.048884	mg/L
Cd	114	315068.106	0.726	0.049791	mg/L
Tl	203	480070.682	1.152	0.050071	mg/L
Tl	206	1148173.408	2.752	0.049822	mg/L
Pb	208	1562892.572	3.751	0.050132	mg/L
Bi	209	416481.979	416481.979		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	497672.618	497672.618		mg/L
Be	9	15509.976	0.031	0.049706	mg/L
V	51	558425.886	1.554	0.049525	mg/L
Cr	52	490740.731	1.343	0.049622	mg/L
Cr	53	58145.281	0.161	0.049539	mg/L
Co	59	626445.383	1.755	0.049954	mg/L
Cu	63	306209.773	0.857	0.049898	mg/L
Cu	65	147151.757	0.412	0.049979	mg/L
Zn	66	62716.024	0.231	0.049536	mg/L
Zn	68	59724.244	0.166	0.049613	mg/L
Ge	72	358959.448	358959.448		mg/L
As	75	102379.192	0.286	0.049757	mg/L
Se	77	8368.980	0.023	0.050298	mg/L
Se	82	11154.486	0.031	0.050527	mg/L
Rh	103	429151.128	429151.128		mg/L
Ag	107	574310.482	1.338	0.049980	mg/L
Cd	111	133087.136	0.310	0.049788	mg/L
Cd	114	311622.588	0.726	0.049796	mg/L
Tl	203	482297.671	1.152	0.050062	mg/L
Tl	206	1166816.841	2.787	0.050461	mg/L
Pb	208	1572248.297	3.759	0.050175	mg/L
Bi	209	418596.507	418596.507		mg/L

: 00919

Sample Information

Sample ID: 0A28009-CAL8
Autosampler Position: 8
Sample Date/Time: Thursday, January 28, 2010 09:00:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CAL8.008
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	504920.799	504920.799				mg/L
[	Be	9	30334.917	0.060	0.099004	0.001	0.856	mg/L
[	V	51	1104441.184	3.099	0.099712	0.002	2.018	mg/L
|	Cr	52	952215.400	2.649	0.099502	0.001	0.906	mg/L
|	Cr	53	113372.506	0.317	0.099460	0.001	1.107	mg/L
|	Co	59	1205563.943	3.394	0.099199	0.002	1.739	mg/L
|	Cu	63	587590.425	1.653	0.099111	0.001	0.772	mg/L
|	Cu	65	282809.206	0.796	0.099187	0.001	1.478	mg/L
|	Zn	66	160654.865	0.451	0.099261	0.001	1.188	mg/L
|	Zn	68	116869.224	0.328	0.099469	0.001	1.471	mg/L
|>	Ge	72	355236.636	355236.636				mg/L
|	As	75	201362.855	0.566	0.099644	0.001	1.505	mg/L
|	Se	77	15778.232	0.044	0.099108	0.002	1.525	mg/L
[	Se	82	21375.505	0.060	0.099359	0.002	2.010	mg/L
[>	Rh	103	426825.502	426825.502				mg/L
|	Ag	107	1119509.740	2.623	0.099513	0.001	1.213	mg/L
|	Cd	111	260239.821	0.610	0.099508	0.000	0.241	mg/L
[	Cd	114	601904.013	1.410	0.099221	0.001	0.712	mg/L
[	Tl	203	934181.118	2.214	0.099093	0.000	0.441	mg/L
|	Tl	205	2098772.994	4.974	0.097516	0.001	1.391	mg/L
|	Pb	208	3082091.393	7.303	0.099436	0.002	1.511	mg/L
[>	Bi	209	421928.111	421928.111				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	
[	Be	9.012	
[	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
[	Se	81.917	
[>	Rh	102.905	
|	Ag	106.905	

: 00920

	Cd	110.904
L	Cd	113.904
[	Tl	202.972
	Tl	204.975
	Pb	207.977
L>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	506010 848	506010 848		mg/L
Be	9	30349 643	0 060	0 098034	mg/L
V	51	1099814 537	3 049	0 098091	mg/L
Cr	52	958350 917	2 626	0 098522	mg/L
Cr	53	114361 380	0 316	0 099123	mg/L
Co	59	1195824 783	3 326	0 097218	mg/L
Cu	63	589426 829	1 639	0 098229	mg/L
Cu	65	282263 808	0 785	0 097804	mg/L
Zn	66	160429 208	0 446	0 097827	mg/L
Zn	68	117349 270	0 326	0 098878	mg/L
Ge	72	359527 588	359527 588		mg/L
As	75	202398 328	0 562	0 098963	mg/L
Se	77	15709 413	0 043	0 087470	mg/L
Se	82	21427 683	0 060	0 098403	mg/L
Rh	103	431945 256	431945 256		mg/L
Ag	107	1121441 875	2 596	0 098500	mg/L
Cd	111	263742 192	0 611	0 099662	mg/L
Cd	114	504898 950	1 400	0 098527	mg/L
Tl	203	943084 048	2 216	0 098178	mg/L
Tl	205	2088720 798	4 903	0 098108	mg/L
Pb	208	3152547 880	7 406	0 100831	mg/L
Bi	209	425801 898	425801 898		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	506019 130	506019 130		mg/L
Be	9	30078 488	0 060	0 098142	mg/L
V	51	1119104 335	3 169	0 101983	mg/L
Cr	52	952188 884	2 673	0 100424	mg/L
Cr	53	113718 223	0 321	0 100688	mg/L
Co	59	1208908 787	3 434	0 100381	mg/L
Cu	63	585071 488	1 661	0 099662	mg/L
Cu	65	284587 355	0 808	0 100723	mg/L
Zn	66	160643 954	0 458	0 100164	mg/L
Zn	68	117766 048	0 333	0 101157	mg/L
Ge	72	351985 454	351985 454		mg/L
As	75	202978 001	0 576	0 101368	mg/L
Se	77	15844 713	0 045	0 100448	mg/L
Se	82	21671 354	0 062	0 101834	mg/L
Rh	103	426515 030	426515 030		mg/L
Ag	107	1133745 298	2 656	0 100848	mg/L
Cd	111	259326 256	0 608	0 098231	mg/L
Cd	114	501353 480	1 410	0 099197	mg/L
Tl	203	943187 234	2 223	0 099480	mg/L
Tl	205	2113380 136	4 980	0 097624	mg/L
Pb	208	3050214 908	7 187	0 097848	mg/L
Bi	209	424349 574	424349 574		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	504736 425	504736 425		mg/L
Be	9	30578 619	0 061	0 099838	mg/L
V	51	1094404 680	3 080	0 099081	mg/L
Cr	52	949096 619	2 648	0 099461	mg/L
Cr	53	112036 934	0 314	0 098566	mg/L
Co	59	1211857 280	3 421	0 099997	mg/L
Cu	63	588270 958	1 660	0 099512	mg/L
Cu	65	281576 455	0 796	0 099035	mg/L
Zn	66	160881 434	0 453	0 099891	mg/L
Zn	68	115492 352	0 325	0 098575	mg/L
Ge	72	354196 868	354196 868		mg/L
As	75	198715 235	0 560	0 098614	mg/L
Se	77	15780 570	0 044	0 099408	mg/L
Se	82	21027 468	0 059	0 098019	mg/L
Rh	103	422016 220	422016 220		mg/L
Ag	107	1103342 046	2 614	0 099190	mg/L
Cd	111	257652 014	0 611	0 099641	mg/L
Cd	114	599461 628	1 420	0 099838	mg/L
Tl	203	916262 074	2 203	0 098620	mg/L
Tl	205	2096218 047	5 041	0 098818	mg/L
Pb	208	3043511 390	7 318	0 099630	mg/L
Bi	209	415832 862	415832 862		mg/L

Sample ID: 0A28009-CAL8
Report Date/Time: Thursday, January 28, 2010 09:02:28

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	0.61	0.00	0.999828
V	50.944	Linear Thru Zero	31.08	0.00	0.999963
Cr	51.941	Linear Thru Zero	26.62	0.00	0.999940
Cr	52.941	Linear Thru Zero	3.19	0.00	0.999944
Co	58.933	Linear Thru Zero	34.21	0.00	0.999878
Cu	62.930	Linear Thru Zero	16.68	0.00	0.999854
Cu	64.928	Linear Thru Zero	8.02	0.00	0.999880
Zn	65.926	Linear Thru Zero	4.55	0.00	0.999903
Zn	67.925	Linear Thru Zero	3.29	0.00	0.999932
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	5.68	0.00	0.999959
Se	76.920	Linear Thru Zero	0.44	0.00	0.999864
Se	81.917	Linear Thru Zero	0.61	0.00	0.999911
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	26.36	0.00	0.999944
Cd	110.904	Linear Thru Zero	6.13	0.00	0.999936
Cd	113.904	Linear Thru Zero	14.21	0.00	0.999894
Tl	202.972	Linear Thru Zero	22.34	0.00	0.999856
Tl	204.975	Linear Thru Zero	51.01	0.00	0.998965
Pb	207.977	Linear Thru Zero	73.45	0.00	0.999938
Bi	208.980	Linear Thru Zero	0.00	0.00	0.000000

Method Equation

Analyte	Mass	Corrections
V	50.944	-3.127 *(ClO 53 -(0.113 *Cr 52))
As	74.922	-3.127 *(ArCl 77 -(0.706602625 *Se 82))
Se	81.917	- 1.007833 * Kr 83
Cd	110.904	-1.060002 *(MoO 108 -(0.712 *Pd 106))
Cd	113.904	-0.027250 *Sn 118
Pb	207.977	+1*Pb 206 +1*Pb 207

: 00922

Sample Information

Sample ID: 0A28009-SCV1
Autosampler Position: 2
Sample Date/Time: Thursday, January 28, 2010 09:04:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-SCV1.009
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	509266.859	509266.859				mg/L
⌊	Be	9	12126.407	0.024	0.039237	0.000	0.615	mg/L
⌈	V	51	437367.556	1.225	0.039419	0.000	1.183	mg/L
|	Cr	52	392989.882	1.078	0.040505	0.000	1.061	mg/L
|	Cr	53	45831.034	0.127	0.039948	0.001	1.951	mg/L
|	Co	59	494408.459	1.396	0.040818	0.001	2.300	mg/L
|	Cu	63	240532.638	0.679	0.040684	0.000	1.015	mg/L
|	Cu	65	114912.469	0.324	0.040414	0.001	1.431	mg/L
|	Zn	66	66191.642	0.186	0.040916	0.001	1.872	mg/L
|	Zn	68	48608.016	0.136	0.041285	0.001	2.222	mg/L
|>	Ge	72	354001.835	354001.835				mg/L
|	As	75	82179.155	0.231	0.040728	0.001	1.341	mg/L
|	Se	77	6480.670	0.018	0.040227	0.001	1.824	mg/L
⌊	Se	82	8663.098	0.024	0.040427	0.001	3.353	mg/L
⌈>	Rh	103	431433.047	431433.047				mg/L
|	Ag	107	455687.947	1.056	0.040073	0.000	1.164	mg/L
|	Cd	111	104643.915	0.243	0.039585	0.000	0.389	mg/L
⌊	Cd	114	244729.101	0.567	0.039909	0.000	0.118	mg/L
⌈	Tl	203	379844.598	0.903	0.040421	0.001	2.012	mg/L
|	Tl	205	908694.757	2.160	0.042347	0.000	0.865	mg/L
|	Pb	208	1241087.562	2.950	0.040159	0.001	1.503	mg/L
⌊>	Bi	209	420608.632	420608.632				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.109
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	95.603
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.101
|	Ag	106.905	

00923

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.959

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	508808.778	508808.778		mg/L
Be	9	12201.534	0.024	0.039518	mg/L
V	51	444868.389	1.242	0.039953	mg/L
Cr	52	395822.829	1.082	0.040849	mg/L
Cr	53	45438.508	0.126	0.039486	mg/L
Co	59	493830.182	1.390	0.040636	mg/L
Cu	63	241838.158	0.680	0.040772	mg/L
Cu	65	114313.606	0.322	0.040071	mg/L
Zn	66	65155.486	0.183	0.040140	mg/L
Zn	68	47828.742	0.133	0.040312	mg/L
Ge	72	355138.989	355138.989		mg/L
As	75	81970.318	0.230	0.040491	mg/L
Se	77	6412.942	0.018	0.039882	mg/L
Se	82	8474.808	0.024	0.039417	mg/L
Rh	103	433568.373	433568.373		mg/L
Ag	107	458009.263	1.052	0.039902	mg/L
Cd	111	105058.678	0.242	0.039648	mg/L
Cd	114	245808.567	0.566	0.039854	mg/L
Tl	203	379458.983	0.883	0.039886	mg/L
Tl	205	918847.787	2.162	0.042386	mg/L
Pb	208	1244181.082	2.927	0.039846	mg/L
Bi	209	424917.918	424917.918		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	509087.667	509087.667		mg/L
Be	9	11984.166	0.024	0.039099	mg/L
V	51	436064.243	1.215	0.039087	mg/L
Cr	52	390460.500	1.066	0.040022	mg/L
Cr	53	45598.537	0.126	0.039632	mg/L
Co	59	486852.689	1.368	0.039983	mg/L
Cu	63	239111.674	0.671	0.040235	mg/L
Cu	65	114582.870	0.322	0.040088	mg/L
Zn	66	66571.447	0.186	0.040938	mg/L
Zn	68	49008.046	0.136	0.041411	mg/L
Ge	72	355823.828	355823.828		mg/L
As	75	81823.675	0.229	0.040340	mg/L
Se	77	6472.998	0.018	0.039984	mg/L
Se	82	8594.830	0.024	0.039897	mg/L
Rh	103	432819.899	432819.899		mg/L
Ag	107	453108.081	1.047	0.039717	mg/L
Cd	111	104638.406	0.242	0.039458	mg/L
Cd	114	245700.513	0.568	0.039838	mg/L
Tl	203	375878.089	0.892	0.039838	mg/L
Tl	205	901740.450	2.141	0.041984	mg/L
Pb	208	1231062.932	2.821	0.039775	mg/L
Bi	209	421189.494	421189.494		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	513923.141	513923.141		mg/L
Be	9	12193.521	0.024	0.039098	mg/L
V	51	431380.038	1.218	0.038205	mg/L
Cr	52	392898.318	1.087	0.040848	mg/L
Cr	53	46458.058	0.130	0.040847	mg/L
Co	59	502542.526	1.431	0.041836	mg/L
Cu	63	240650.081	0.668	0.041046	mg/L
Cu	65	115840.932	0.330	0.041082	mg/L
Zn	66	66848.014	0.189	0.041871	mg/L
Zn	68	49166.259	0.139	0.042134	mg/L
Ge	72	351042.709	351042.709		mg/L
As	75	82743.472	0.235	0.041353	mg/L
Se	77	6556.073	0.018	0.041058	mg/L
Se	82	8918.587	0.026	0.041867	mg/L
Rh	103	427909.869	427909.869		mg/L
Ag	107	457946.517	1.070	0.040801	mg/L
Cd	111	104238.683	0.244	0.039758	mg/L
Cd	114	242880.233	0.568	0.039833	mg/L
Tl	203	384198.742	0.924	0.041380	mg/L
Tl	205	905496.033	2.178	0.042683	mg/L
Pb	208	1248018.884	3.001	0.040854	mg/L
Bi	209	415718.483	415718.483		mg/L

: 00924

Sample Information

Sample ID: 0A28009-CCB
Autosampler Position: 1
Sample Date/Time: Thursday, January 28, 2010 09:07:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CCB.010
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	503936.380	503936.380				mg/L
⌊	Be	9	3.000	0.000	0.000006	0.000	56.626	mg/L
⌈	V	51	3732.686	0.000	0.000008	0.000	176.778	mg/L
|	Cr	52	11085.039	-0.001	-0.000021	0.000	36.523	mg/L
|	Cr	53	782.384	0.000	0.000020	0.000	173.882	mg/L
|	Co	59	141.003	0.000	0.000002	0.000	20.816	mg/L
|	Cu	63	319.677	0.000	0.000006	0.000	28.651	mg/L
|	Cu	65	163.004	0.000	0.000011	0.000	51.493	mg/L
|	Zn	66	291.676	-0.000	-0.000027	0.000	33.721	mg/L
|	Zn	68	430.017	-0.000	-0.000025	0.000	61.246	mg/L
|>	Ge	72	353565.018	353565.018				mg/L
|	As	75	379.714	0.000	0.000053	0.000	75.256	mg/L
|	Se	77	166.670	0.000	0.000007	0.000	1533.957	mg/L
⌊	Se	82	-10.026	-0.000	-0.000020	0.000	362.180	mg/L
⌈>	Rh	103	430644.166	430644.166				mg/L
|	Ag	107	346.012	0.001	0.000029	0.000	25.294	mg/L
|	Cd	111	8.965	0.000	0.000002	0.000	122.765	mg/L
⌊	Cd	114	18.945	0.000	0.000002	0.000	89.456	mg/L
⌈	Tl	203	125.336	0.000	0.000007	0.000	4.163	mg/L
|	Tl	205	316.344	0.000	0.000009	0.000	6.888	mg/L
|	Pb	208	777.024	0.000	0.000006	0.000	16.787	mg/L
⌊>	Bi	209	423356.763	423356.763				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.082
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	95.485
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	96.924
|	Ag	106.905	

: 00925

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.599

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	504828.611	504828.611		mg/L
Be	9	3.000	0.000	0.000006	mg/L
V	51	3898.814	0.001	0.000023	mg/L
Cr	52	11162.827	-0.000	-0.000013	mg/L
Cr	53	771.048	0.000	0.000010	mg/L
Co	59	142.003	0.000	0.000002	mg/L
Cu	63	309.010	0.000	0.000006	mg/L
Cu	65	176.004	0.000	0.000018	mg/L
Zn	66	268.009	-0.000	-0.000029	mg/L
Zn	68	426.017	0.000	-0.000027	mg/L
Ge	72	353402.950	353402.950		mg/L
As	75	436.634	0.000	0.000083	mg/L
Se	77	188.004	0.000	0.000131	mg/L
Se	82	4.376	0.000	0.000048	mg/L
Rh	103	424481.656	424481.656		mg/L
Ag	107	416.018	0.001	0.000036	mg/L
Cd	111	2.174	-0.000	0.000001	mg/L
Cd	114	8.702	-0.000	0.000000	mg/L
Tl	203	128.002	0.000	0.000007	mg/L
Tl	205	334.011	0.000	0.000009	mg/L
Pb	208	820.027	0.001	0.000007	mg/L
Bi	209	427380.542	427380.542		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	510217.049	510217.049		mg/L
Be	9	4.000	0.000	0.000008	mg/L
V	51	3692.311	0.000	0.000004	mg/L
Cr	52	11060.668	0.001	-0.000224	mg/L
Cr	53	828.056	0.000	0.000056	mg/L
Co	59	136.003	0.000	0.000001	mg/L
Cu	63	319.010	0.000	0.000006	mg/L
Cu	65	146.003	0.000	0.000006	mg/L
Zn	66	279.008	-0.000	-0.000035	mg/L
Zn	68	449.018	-0.000	-0.000009	mg/L
Ge	72	353581.970	353581.970		mg/L
As	75	287.678	0.000	0.000008	mg/L
Se	77	183.003	0.000	-0.000018	mg/L
Se	82	8.538	-0.000	-0.000013	mg/L
Rh	103	435804.447	435804.447		mg/L
Ag	107	364.013	0.001	0.000030	mg/L
Cd	111	11.613	0.000	0.000003	mg/L
Cd	114	25.437	0.000	0.000003	mg/L
Tl	203	123.002	0.000	0.000007	mg/L
Tl	205	314.010	0.000	0.000008	mg/L
Pb	208	765.023	0.000	0.000006	mg/L
Bi	209	426348.333	426348.333		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	498763.481	498763.481		mg/L
Be	9	2.000	0.000	0.000002	mg/L
V	51	3608.932	-0.000	-0.000004	mg/L
Cr	52	11031.622	-0.001	0.000028	mg/L
Cr	53	750.047	0.000	0.000009	mg/L
Co	59	145.003	0.000	0.000002	mg/L
Cu	63	331.011	0.000	0.000008	mg/L
Cu	65	167.004	0.000	0.000012	mg/L
Zn	66	308.010	0.000	-0.000017	mg/L
Zn	68	413.016	-0.000	0.000040	mg/L
Ge	72	353700.134	353700.134		mg/L
As	75	412.830	0.000	0.000070	mg/L
Se	77	151.003	-0.000	0.000093	mg/L
Se	82	-25.915	0.000	-0.000094	mg/L
Rh	103	431636.398	431636.398		mg/L
Ag	107	258.007	0.001	0.000021	mg/L
Cd	111	13.108	0.000	0.000003	mg/L
Cd	114	22.697	0.000	0.000003	mg/L
Tl	203	125.002	0.000	0.000007	mg/L
Tl	205	301.009	0.000	0.000008	mg/L
Pb	208	746.022	0.000	0.000006	mg/L
Bi	209	416344.413	416344.413		mg/L

: 00926

Sample Information

Sample ID: 0A28009-CRL1
Autosampler Position: 3
Sample Date/Time: Thursday, January 28, 2010 09:10:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CRL1.011
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	505422.842	505422.842				mg/L
	Be	9	67.668	0.000	0.000216	0.000	6.740	mg/L
	V	51	5900.393	0.006	0.000199	0.000	5.955	mg/L
	Cr	52	13146.886	0.005	0.000181	0.000	2.806	mg/L
	Cr	53	985.078	0.001	0.000190	0.000	15.219	mg/L
	Co	59	2487.125	0.007	0.000193	0.000	1.893	mg/L
	Cu	63	1474.167	0.003	0.000199	0.000	5.055	mg/L
	Cu	65	694.041	0.002	0.000195	0.000	2.569	mg/L
	Zn	66	730.378	0.001	0.000240	0.000	1.099	mg/L
	Zn	68	758.381	0.001	0.000249	0.000	10.962	mg/L
>	Ge	72	357749.585	357749.585				mg/L
	As	75	766.009	0.001	0.000241	0.000	8.640	mg/L
	Se	77	193.005	0.000	0.000161	0.000	69.637	mg/L
	Se	82	60.445	0.000	0.000306	0.000	43.534	mg/L
>	Rh	103	433394.922	433394.922				mg/L
	Ag	107	2556.483	0.006	0.000222	0.000	2.135	mg/L
	Cd	111	526.740	0.001	~~0.000197~~	0.000	3.854	mg/L
	Cd	114	1234.770	0.003	0.000199	0.000	2.952	mg/L
	Tl	203	1983.629	0.005	0.000204	0.000	1.809	mg/L
	Tl	205	4731.280	0.011	0.000213	0.000	0.157	mg/L
	Pb	208	6928.044	0.015	0.000204	0.000	0.354	mg/L
>	Bi	209	423075.366	423075.366				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.369
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.615
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.543
	Ag	106.905	

: 00927

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.534

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	508730.488	508730.488		mg/L
Be	9	73.001	0.000	0.000233	mg/L
V	51	5764.201	0.008	0.000188	mg/L
Cr	52	13066.070	0.005	0.000177	mg/L
Cr	53	964.075	0.001	0.000174	mg/L
Co	59	2440.441	0.007	0.000190	mg/L
Cu	63	1429.157	0.003	0.000192	mg/L
Cu	65	676.039	0.002	0.000188	mg/L
Zn	66	730.046	0.001	0.000241	mg/L
Zn	68	771.049	0.001	0.000261	mg/L
Ge	72	358782.987	358782.987		mg/L
As	75	718.210	0.001	0.000218	mg/L
Se	77	172.004	0.000	0.000032	mg/L
Se	82	48.371	0.000	0.000251	mg/L
Rh	103	431027.206	431027.206		mg/L
Ag	107	2574.480	0.008	0.000225	mg/L
Cd	111	543.630	0.001	0.000204	mg/L
Cd	114	1265.919	0.003	0.000206	mg/L
Tl	203	1971.292	0.004	0.000201	mg/L
Tl	206	4768.639	0.011	0.000214	mg/L
Pb	208	6908.404	0.015	0.000206	mg/L
Bi	209	425094.287	425094.287		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	510280.340	510280.340		mg/L
Be	9	66.001	0.000	0.000209	mg/L
V	51	5891.587	0.008	0.000187	mg/L
Cr	52	13166.256	0.008	0.000181	mg/L
Cr	53	1025.084	0.001	0.000223	mg/L
Co	59	2483.456	0.007	0.000193	mg/L
Cu	63	1548.163	0.004	0.000211	mg/L
Cu	65	700.041	0.002	0.000188	mg/L
Zn	66	735.048	0.001	0.000242	mg/L
Zn	68	782.051	0.001	0.000268	mg/L
Ge	72	358486.177	358486.177		mg/L
As	75	805.441	0.001	0.000260	mg/L
Se	77	203.006	0.000	0.000221	mg/L
Se	82	73.823	0.000	0.000458	mg/L
Rh	103	436527.673	436527.673		mg/L
Ag	107	2605.501	0.008	0.000225	mg/L
Cd	111	510.011	0.001	0.000189	mg/L
Cd	114	1209.499	0.003	0.000193	mg/L
Tl	203	2033.310	0.005	0.000208	mg/L
Tl	205	4746.624	0.011	0.000213	mg/L
Pb	208	6841.396	0.015	0.000203	mg/L
Bi	209	425194.684	425194.684		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	499257.717	499257.717		mg/L
Be	9	64.001	0.000	0.000207	mg/L
V	51	6045.412	0.007	0.000211	mg/L
Cr	52	13208.333	0.005	0.000187	mg/L
Cr	53	966.075	0.001	0.000172	mg/L
Co	59	2537.478	0.007	0.000197	mg/L
Cu	63	1447.161	0.003	0.000196	mg/L
Cu	65	706.042	0.002	0.000190	mg/L
Zn	66	726.044	0.001	0.000237	mg/L
Zn	68	722.044	0.001	0.000216	mg/L
Ge	72	358019.590	358019.590		mg/L
As	75	774.377	0.001	0.000245	mg/L
Se	77	204.006	0.000	0.000229	mg/L
Se	82	39.441	0.000	0.000208	mg/L
Rh	103	432629.888	432629.888		mg/L
Ag	107	2489.458	0.008	0.000217	mg/L
Cd	111	526.578	0.001	0.000197	mg/L
Cd	114	1228.893	0.003	0.000196	mg/L
Tl	203	1946.266	0.008	0.000202	mg/L
Tl	205	4678.578	0.011	0.000213	mg/L
Pb	208	6843.332	0.015	0.000204	mg/L
Bi	209	418037.126	418037.126		mg/L

: 00928

Sample Information

Sample ID: 0A28009-CRL2
Autosampler Position: 4
Sample Date/Time: Thursday, January 28, 2010 09:14:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CRL2.012
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	512208.050	512208.050				mg/L
	Be	9	304.343	0.001	0.000975	0.000	5.341	mg/L
	V	51	14648.369	0.031	0.000996	0.000	2.737	mg/L
	Cr	52	20670.406	0.026	0.000989	0.000	0.677	mg/L
	Cr	53	1934.281	0.003	0.001036	0.000	3.290	mg/L
	Co	59	12283.342	0.034	0.001002	0.000	1.175	mg/L
	Cu	63	6402.266	0.017	0.001034	0.000	3.060	mg/L
	Cu	65	3039.677	0.008	0.001021	0.000	0.710	mg/L
	Zn	66	2010.303	0.005	0.001037	0.000	1.282	mg/L
	Zn	68	1695.218	0.003	0.001056	0.000	5.793	mg/L
>	Ge	72	354856.179	354856.179				mg/L
	As	75	2291.521	0.006	0.001001	0.000	4.770	mg/L
	Se	77	331.344	0.000	0.001050	0.000	7.756	mg/L
	Se	82	201.318	0.001	0.000964	0.000	15.414	mg/L
>	Rh	103	430332.811	430332.811				mg/L
	Ag	107	11645.603	0.027	0.001025	0.000	1.960	mg/L
	Cd	111	2677.097	0.006	0.001014	0.000	5.695	mg/L
	Cd	114	6159.913	0.014	0.001006	0.000	1.184	mg/L
	Tl	203	9601.879	0.023	0.001011	0.000	0.059	mg/L
	Tl	205	23183.136	0.055	0.001069	0.000	1.649	mg/L
	Pb	208	31789.302	0.074	0.001005	0.000	0.796	mg/L
>	Bi	209	422649.384	422649.384				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.676
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	95.834
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.854
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.435

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	509877.493	509877.493		mg/L
Be	9	300.009	0.001	0.000986	mg/L
V	51	14861.536	0.031	0.000998	mg/L
Cr	52	20884.141	0.026	0.000983	mg/L
Cr	53	1958.291	0.003	0.001087	mg/L
Co	59	12293.883	0.034	0.001003	mg/L
Cu	63	6446.972	0.017	0.001042	mg/L
Cu	65	3025.671	0.008	0.001016	mg/L
Zn	66	1987.298	0.006	0.001024	mg/L
Zn	68	1669.212	0.003	0.001034	mg/L
Ge	72	354875.780	354875.780		mg/L
As	75	2256.268	0.006	0.000984	mg/L
Se	77	320.010	0.000	0.000979	mg/L
Se	82	176.334	0.001	0.000848	mg/L
Rh	103	427498.163	427498.163		mg/L
Ag	107	11577.491	0.027	0.001026	mg/L
Cd	111	2831.633	0.007	0.001079	mg/L
Cd	114	6078.640	0.014	0.000999	mg/L
Tl	203	9868.636	0.023	0.001010	mg/L
Tl	205	23541.987	0.055	0.001078	mg/L
Pb	208	31083.372	0.074	0.001004	mg/L
Bi	209	425790.688	425790.688		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	511025.922	511025.922		mg/L
Be	9	299.009	0.001	0.000828	mg/L
V	51	14881.723	0.032	0.001023	mg/L
Cr	52	20517.631	0.026	0.000881	mg/L
Cr	53	1933.261	0.003	0.001042	mg/L
Co	59	12068.825	0.035	0.001013	mg/L
Cu	63	6537.056	0.018	0.001081	mg/L
Cu	65	3051.682	0.008	0.001028	mg/L
Zn	66	2023.307	0.006	0.001050	mg/L
Zn	68	1769.237	0.004	0.001128	mg/L
Ge	72	353483.808	353483.808		mg/L
As	75	2391.219	0.006	0.001055	mg/L
Se	77	344.012	0.001	0.001139	mg/L
Se	82	236.456	0.001	0.001131	mg/L
Rh	103	435905.333	435905.333		mg/L
Ag	107	11563.468	0.026	0.001008	mg/L
Cd	111	2652.317	0.006	0.000991	mg/L
Cd	114	6324.319	0.014	0.001019	mg/L
Tl	203	9568.500	0.023	0.001011	mg/L
Tl	205	23358.357	0.056	0.001081	mg/L
Pb	208	31849.842	0.074	0.001014	mg/L
Bi	209	421250.968	421250.968		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	515920.738	515920.738		mg/L
Be	9	324.011	0.001	0.001031	mg/L
V	51	14401.848	0.030	0.000958	mg/L
Cr	52	20798.447	0.026	0.000983	mg/L
Cr	53	1901.272	0.003	0.000999	mg/L
Co	59	12186.509	0.034	0.000990	mg/L
Cu	63	6223.773	0.017	0.000988	mg/L
Cu	65	3041.678	0.008	0.001017	mg/L
Zn	66	2020.308	0.006	0.001038	mg/L
Zn	68	1647.208	0.003	0.001008	mg/L
Ge	72	356408.950	356408.950		mg/L
As	75	2227.078	0.005	0.000984	mg/L
Se	77	330.011	0.000	0.001032	mg/L
Se	82	191.163	0.001	0.000913	mg/L
Rh	103	427598.938	427598.938		mg/L
Ag	107	11795.850	0.026	0.001045	mg/L
Cd	111	2547.341	0.006	0.000871	mg/L
Cd	114	6078.781	0.014	0.000999	mg/L
Tl	203	9568.500	0.023	0.001011	mg/L
Tl	205	22681.084	0.054	0.001048	mg/L
Pb	208	31434.591	0.073	0.000998	mg/L
Bi	209	420908.520	420908.520		mg/L

Sample ID: 0A28009-CRL2
Report Date/Time: Thursday, January 28, 2010 09:15:58

Sample Information

Sample ID: 0A28009-IFA1
Autosampler Position: 10
Sample Date/Time: Thursday, January 28, 2010 09:17:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-IFA1.013
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	510328.207	510328.207				mg/L
	Be	9	1.333	0.000	0.000000	0.000	8947.018	mg/L
	V	51	3234.472	-0.001	-0.000037	0.000	93.989	mg/L
	Cr	52	12851.347	0.005	0.000171	0.000	7.361	mg/L
	Cr	53	2658.855	0.005	0.001693	0.000	2.301	mg/L
	Co	59	239.340	0.000	0.000010	0.000	21.289	mg/L
	Cu	63	2135.340	0.005	0.000315	0.000	1.685	mg/L
	Cu	65	1063.423	0.003	0.000329	0.000	3.775	mg/L
	Zn	66	3385.836	0.009	0.001904	0.000	1.476	mg/L
	Zn	68	2115.334	0.005	0.001427	0.000	2.579	mg/L
>	Ge	72	352419.390	352419.390				mg/L
	As	75	330.298	0.000	0.000029	0.000	197.456	mg/L
	Se	77	356.346	0.001	0.001225	0.000	9.980	mg/L
	Se	82	-2.198	0.000	0.000017	0.000	588.481	mg/L
>	Rh	103	404383.759	404383.759				mg/L
	Ag	107	359.013	0.001	0.000032	0.000	24.484	mg/L
	Cd	111	87.801	0.000	0.000034	0.000	44.307	mg/L
	Cd	114	2260.113	0.006	0.000392	0.000	2.603	mg/L
	Tl	203	152.336	0.000	0.000010	0.000	8.232	mg/L
	Tl	205	365.680	0.001	0.000012	0.000	30.756	mg/L
	Pb	208	1057.708	0.001	0.000016	0.000	4.711	mg/L
>	Bi	209	408708.344	408708.344				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.314
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	95.176
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	91.013
	Ag	106.905	

00931

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

95.188

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	502853.298	502853.298		mg/L
Be	9	0.000	-0.000	-0.000004	mg/L
V	51	3683.165	0.000	0.000001	mg/L
Cr	52	13081.043	0.005	0.000180	mg/L
Cr	53	2644.516	0.005	0.001660	mg/L
Co	59	213.005	0.000	0.000006	mg/L
Cu	63	2121.338	0.005	0.000310	mg/L
Cu	65	1032.086	0.003	0.000315	mg/L
Zn	66	3424.866	0.009	0.001911	mg/L
Zn	68	2086.328	0.005	0.001387	mg/L
Ge	72	355390.007	355390.007		mg/L
As	75	434.476	0.000	0.000080	mg/L
Se	77	338.011	0.000	0.001086	mg/L
Se	82	-11.875	-0.000	-0.000028	mg/L
Rh	103	402983.780	402983.780		mg/L
Ag	107	444.018	0.001	0.000040	mg/L
Cd	111	129.147	0.000	0.000051	mg/L
Cd	114	2319.622	0.006	0.000404	mg/L
Tl	203	162.003	0.000	0.000011	mg/L
Tl	205	462.020	0.001	0.000016	mg/L
Pb	208	1084.043	0.001	0.000016	mg/L
Bi	209	420029.053	420029.053		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	516218.188	516218.188		mg/L
Be	9	2.000	0.000	0.000002	mg/L
V	51	3112.938	-0.001	-0.000046	mg/L
Cr	52	12817.616	0.005	0.000175	mg/L
Cr	53	2631.511	0.006	0.001652	mg/L
Co	59	280.007	0.000	0.000012	mg/L
Cu	63	2153.346	0.005	0.000321	mg/L
Cu	65	1072.081	0.003	0.000334	mg/L
Zn	66	3318.603	0.009	0.001873	mg/L
Zn	68	2112.333	0.005	0.001438	mg/L
Ge	72	350349.899	350349.899		mg/L
As	75	352.926	0.000	0.000042	mg/L
Se	77	370.013	0.001	0.001326	mg/L
Se	82	-16.946	0.000	0.000063	mg/L
Rh	103	409120.337	409120.337		mg/L
Ag	107	357.012	0.001	0.000032	mg/L
Cd	111	78.401	0.000	0.000029	mg/L
Cd	114	2257.048	0.006	0.000387	mg/L
Tl	203	155.003	0.000	0.000011	mg/L
Tl	205	328.011	0.001	0.000010	mg/L
Pb	208	1031.039	0.001	0.000015	mg/L
Bi	209	406464.987	406464.987		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	511912.136	511912.136		mg/L
Be	9	2.000	0.000	0.000002	mg/L
V	51	2907.312	-0.002	0.000088	mg/L
Cr	52	12685.381	0.004	0.000156	mg/L
Cr	53	2700.537	0.006	0.001736	mg/L
Co	59	245.007	0.000	0.000011	mg/L
Cu	63	2131.338	0.005	0.000318	mg/L
Cu	65	1086.093	0.003	0.000338	mg/L
Zn	66	3415.851	0.009	0.001928	mg/L
Zn	68	2147.344	0.006	0.001460	mg/L
Ge	72	351518.268	351518.268		mg/L
As	75	203.492	0.000	0.000034	mg/L
Se	77	361.013	0.001	0.001280	mg/L
Se	82	27.229	0.000	0.000132	mg/L
Rh	103	401047.181	401047.181		mg/L
Ag	107	278.008	0.001	0.000025	mg/L
Cd	111	57.656	0.000	0.000022	mg/L
Cd	114	2203.673	0.006	0.000365	mg/L
Tl	203	140.003	0.000	0.000009	mg/L
Tl	205	307.010	0.000	0.000009	mg/L
Pb	208	1058.042	0.001	0.000017	mg/L
Bi	209	399631.011	399631.011		mg/L

: 00932

Sample Information

Sample ID: 0A28009-IFB1
Autosampler Position: 11
Sample Date/Time: Thursday, January 28, 2010 09:21:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-IFB1.014
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	505434.162	505434.162				mg/L
	Be	9	6099.331	0.012	0.019896	0.001	2.957	mg/L
	V	51	204042.316	0.581	0.018689	0.000	2.653	mg/L
	Cr	52	186027.847	0.507	0.019048	0.001	2.660	mg/L
	Cr	53	23307.201	0.065	0.020509	0.000	1.692	mg/L
	Co	59	225688.040	0.654	0.019104	0.001	2.937	mg/L
	Cu	63	111046.314	0.321	0.019237	0.000	2.013	mg/L
	Cu	65	52729.447	0.152	0.018991	0.000	1.380	mg/L
	Zn	66	32849.026	0.094	0.020722	0.001	2.597	mg/L
	Zn	68	23504.180	0.067	0.020277	0.001	3.264	mg/L
>	Ge	72	345271.421	345271.421				mg/L
	As	75	39376.353	0.113	0.019941	0.000	1.184	mg/L
	Se	77	3339.481	0.009	0.020764	0.001	3.515	mg/L
	Se	82	3970.951	0.012	0.019014	0.000	1.514	mg/L
>	Rh	103	393983.750	393983.750				mg/L
	Ag	107	202424.211	0.514	0.019497	0.000	2.064	mg/L
	Cd	111	47510.592	0.121	0.019691	0.001	4.456	mg/L
	Cd	114	114146.006	0.290	0.020392	0.001	3.419	mg/L
	Tl	203	181874.531	0.449	0.020086	0.001	5.464	mg/L
	Tl	205	434585.883	1.072	0.021015	0.001	4.629	mg/L
	Pb	208	590772.521	1.456	0.019824	0.001	3.833	mg/L
>	Bi	209	405752.323	405752.323				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.371
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	93.245
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	88.673
	Ag	106.905	

: 00933

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

94.499

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	514611.129	514611.129		mg/L
Be	9	6098.656	0.012	0.019487	mg/L
V	51	203300.759	0.568	0.018165	mg/L
Cr	52	185600.227	0.493	0.018517	mg/L
Cr	53	23582.133	0.066	0.020257	mg/L
Co	59	223882.708	0.633	0.018498	mg/L
Cu	63	111132.987	0.313	0.018781	mg/L
Cu	65	53158.812	0.150	0.018686	mg/L
Zn	66	32829.598	0.092	0.020208	mg/L
Zn	68	23348.331	0.066	0.019648	mg/L
Ge	72	353632.925	353632.925		mg/L
As	75	39817.163	0.112	0.019683	mg/L
Se	77	3301.786	0.009	0.019998	mg/L
Se	82	4000.652	0.011	0.018701	mg/L
Rh	103	396383.237	396383.237		mg/L
Ag	107	202373.811	0.511	0.019370	mg/L
Cd	111	48048.682	0.121	0.019782	mg/L
Cd	114	113984.782	0.288	0.020228	mg/L
Tl	203	179849.843	0.427	0.019108	mg/L
Tl	205	435241.633	1.033	0.020251	mg/L
Pb	208	592053.562	1.404	0.019118	mg/L
Bi	209	421204.331	421204.331		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	485249.934	485249.934		mg/L
Be	9	6058.629	0.012	0.020572	mg/L
V	51	205350.011	0.586	0.019151	mg/L
Cr	52	187093.448	0.520	0.019526	mg/L
Cr	53	23324.252	0.067	0.020904	mg/L
Co	59	227512.784	0.671	0.019600	mg/L
Cu	63	110463.686	0.325	0.019478	mg/L
Cu	65	52247.913	0.154	0.019155	mg/L
Zn	66	33138.022	0.097	0.021282	mg/L
Zn	68	23856.040	0.068	0.020985	mg/L
Ge	72	339121.899	339121.899		mg/L
As	75	38782.519	0.114	0.019994	mg/L
Se	77	3384.638	0.010	0.021481	mg/L
Se	82	3913.621	0.012	0.019076	mg/L
Rh	103	384830.428	384830.428		mg/L
Ag	107	202349.126	0.526	0.019948	mg/L
Cd	111	48367.590	0.126	0.020520	mg/L
Cd	114	115729.817	0.301	0.021157	mg/L
Tl	203	185107.686	0.475	0.021272	mg/L
Tl	205	439301.229	1.128	0.022110	mg/L
Pb	208	590521.845	1.515	0.020826	mg/L
Bi	209	389391.990	389391.990		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	516441.424	516441.424		mg/L
Be	9	6149.708	0.012	0.019620	mg/L
V	51	203476.177	0.563	0.018751	mg/L
Cr	52	185388.867	0.508	0.019101	mg/L
Cr	53	23006.217	0.066	0.020386	mg/L
Co	59	225668.827	0.657	0.019218	mg/L
Cu	63	111542.277	0.324	0.019443	mg/L
Cu	65	52780.818	0.153	0.019129	mg/L
Zn	66	32579.455	0.094	0.020877	mg/L
Zn	68	23299.170	0.067	0.020219	mg/L
Ge	72	343059.439	343059.439		mg/L
As	75	39529.377	0.114	0.020148	mg/L
Se	77	3331.810	0.009	0.020844	mg/L
Se	82	3998.578	0.012	0.019268	mg/L
Rh	103	400757.584	400757.584		mg/L
Ag	107	202549.696	0.505	0.019174	mg/L
Cd	111	44098.526	0.115	0.018772	mg/L
Cd	114	112743.419	0.297	0.019782	mg/L
Tl	203	180896.066	0.444	0.019879	mg/L
Tl	205	429214.788	1.058	0.020688	mg/L
Pb	208	589742.157	1.449	0.019726	mg/L
Bi	209	406680.649	406680.649		mg/L

Sample Information

Sample ID: 0A28009-CCV
Autosampler Position: 2
Sample Date/Time: Thursday, January 28, 2010 09:24:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CCV.015
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	513970.053	513970.053				mg/L
⌊	Be	9	12302.376	0.024	0.039441	0.000	1.045	mg/L
⌈	V	51	414675.405	1.162	0.037378	0.000	1.315	mg/L
|	Cr	52	375405.494	1.029	0.038660	0.001	1.409	mg/L
|	Cr	53	44435.568	0.123	0.038735	0.001	2.411	mg/L
|	Co	59	473748.452	1.339	0.039130	0.001	1.359	mg/L
|	Cu	63	232882.751	0.657	0.039407	0.000	0.656	mg/L
|	Cu	65	112643.103	0.318	0.039636	0.001	1.879	mg/L
|	Zn	66	64926.731	0.183	0.040154	0.001	2.050	mg/L
|	Zn	68	47796.864	0.134	0.040613	0.001	1.871	mg/L
|>	Ge	72	353848.418	353848.418				mg/L
|	As	75	82436.348	0.232	0.040873	0.000	1.194	mg/L
|	Se	77	6374.241	0.018	0.039578	0.001	3.469	mg/L
⌊	Se	82	8445.902	0.024	0.039433	0.001	2.463	mg/L
⌈>	Rh	103	418427.966	418427.966				mg/L
|	Ag	107	440178.426	1.052	0.039913	0.001	1.427	mg/L
|	Cd	111	102549.641	0.245	0.039998	0.000	0.191	mg/L
⌊	Cd	114	235358.134	0.562	0.039574	0.000	0.532	mg/L
⌈	Tl	203	375180.204	0.893	0.039960	0.000	1.036	mg/L
|	Tl	205	905546.885	2.155	0.042249	0.001	2.445	mg/L
|	Pb	208	1233393.892	2.934	0.039952	0.001	2.774	mg/L
⌊>	Bi	209	420230.563	420230.563				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	99.015
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	95.562
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	94.174
|	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.871

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	514586.028	514586.028		mg/L
Be	9	12358.808	0.024	0.039674	mg/L
V	51	414240.603	1.148	0.036881	mg/L
Cr	52	378867.476	1.026	0.038638	mg/L
Cr	53	44215.872	0.121	0.038068	mg/L
Co	59	473888.413	1.323	0.038668	mg/L
Cu	63	234244.267	0.653	0.039158	mg/L
Cu	65	113937.666	0.318	0.039803	mg/L
Zn	66	64806.298	0.180	0.039588	mg/L
Zn	68	47527.087	0.131	0.039883	mg/L
Ge	72	358153.038	358153.038		mg/L
As	75	82336.126	0.229	0.040329	mg/L
Se	77	6248.785	0.017	0.038288	mg/L
Se	82	8308.669	0.023	0.038324	mg/L
Rh	103	415746.018	415746.018		mg/L
Ag	107	436313.140	1.049	0.039818	mg/L
Cd	111	101978.418	0.245	0.040032	mg/L
Cd	114	233616.456	0.562	0.039634	mg/L
Tl	203	371942.794	0.890	0.039822	mg/L
Tl	205	918143.172	2.191	0.042980	mg/L
Pb	208	1258890.561	3.010	0.040988	mg/L
Bi	209	417994.751	417994.751		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	514512.381	514512.381		mg/L
Be	9	12417.909	0.024	0.039770	mg/L
V	51	417778.775	1.162	0.037380	mg/L
Cr	52	373607.397	1.017	0.038187	mg/L
Cr	53	44317.499	0.122	0.038346	mg/L
Co	59	475732.532	1.335	0.039014	mg/L
Cu	63	234430.223	0.667	0.038389	mg/L
Cu	65	111373.675	0.312	0.038908	mg/L
Zn	66	64790.162	0.181	0.039778	mg/L
Zn	68	48074.718	0.134	0.040666	mg/L
Ge	72	356334.383	356334.383		mg/L
As	75	83626.844	0.234	0.041272	mg/L
Se	77	6397.929	0.017	0.039430	mg/L
Se	82	8598.031	0.024	0.039848	mg/L
Rh	103	422647.987	422647.987		mg/L
Ag	107	438910.255	1.038	0.039398	mg/L
Cd	111	103358.987	0.248	0.039911	mg/L
Cd	114	236610.034	0.569	0.039387	mg/L
Tl	203	380126.256	0.868	0.039632	mg/L
Tl	205	899289.356	2.098	0.041064	mg/L
Pb	208	1273280.002	2.848	0.038782	mg/L
Bi	209	429241.313	429241.313		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	512802.748	512802.748		mg/L
Be	9	12130.413	0.024	0.039979	mg/L
V	51	412008.838	1.177	0.037864	mg/L
Cr	52	373751.859	1.045	0.039256	mg/L
Cr	53	44775.334	0.127	0.039801	mg/L
Co	59	471814.408	1.358	0.039710	mg/L
Cu	63	229873.786	0.662	0.039874	mg/L
Cu	65	112617.970	0.324	0.040387	mg/L
Zn	66	65184.731	0.187	0.041098	mg/L
Zn	68	47788.807	0.138	0.041400	mg/L
Ge	72	347057.853	347057.853		mg/L
As	75	81148.074	0.233	0.041018	mg/L
Se	77	6475.999	0.018	0.041020	mg/L
Se	82	8432.006	0.024	0.040130	mg/L
Rh	103	416889.894	416889.894		mg/L
Ag	107	445311.884	1.068	0.040625	mg/L
Cd	111	102311.538	0.245	0.040062	mg/L
Cd	114	235847.913	0.566	0.039802	mg/L
Tl	203	373471.561	0.903	0.040425	mg/L
Tl	205	901208.128	2.179	0.042723	mg/L
Pb	208	1218011.123	2.948	0.040090	mg/L
Bi	209	413456.624	413456.624		mg/L

Sample ID: 0A28009-CCV
Report Date/Time: Thursday, January 28, 2010 09:26:07

Sample Information

Sample ID: 0A28009-CCB
Autosampler Position: 1
Sample Date/Time: Thursday, January 28, 2010 09:27:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CCB.016
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	495962.783	495962.783				mg/L
[	Be	9	3.000	0.000	0.000006	0.000	174.236	mg/L
[	V	51	3484.113	-0.000	-0.000015	0.000	13.324	mg/L
|	Cr	52	10520.848	-0.002	-0.000080	0.000	5.616	mg/L
|	Cr	53	861.061	0.000	0.000091	0.000	36.946	mg/L
|	Co	59	127.002	0.000	0.000001	0.000	243.441	mg/L
|	Cu	63	280.342	-0.000	-0.000000	0.000	1781.431	mg/L
|	Cu	65	156.003	0.000	0.000008	0.000	46.355	mg/L
|	Zn	66	292.009	-0.000	-0.000027	0.000	26.796	mg/L
|	Zn	68	436.351	-0.000	-0.000019	0.000	121.005	mg/L
\>	Ge	72	353168.841	353168.841				mg/L
|	As	75	352.329	0.000	0.000040	0.000	78.794	mg/L
|	Se	77	176.671	0.000	0.000072	0.000	74.560	mg/L
[	Se	82	-3.400	0.000	0.000012	0.000	762.605	mg/L
[>	Rh	103	429794.278	429794.278				mg/L
|	Ag	107	282.342	0.001	0.000023	0.000	24.792	mg/L
|	Cd	111	6.280	0.000	0.000001	0.000	280.133	mg/L
[	Cd	114	18.437	0.000	0.000002	0.000	33.806	mg/L
[	Tl	203	80.668	0.000	0.000002	0.000	46.122	mg/L
|	Tl	205	193.005	0.000	0.000003	0.000	27.330	mg/L
|	Pb	208	721.022	0.000	0.000004	0.000	33.353	mg/L
[>	Bi	209	417655.219	417655.219				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	95.546
[	Be	9.012	
[	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	95.378
|	As	74.922	
|	Se	76.920	
[	Se	81.917	
[>	Rh	102.905	96.732
|	Ag	106.905	

: 00937

	Cd	110.904
	Cd	113.904
	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

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	494044.234	494044.234		mg/L
Be	9	0.000	0.000	0.000004	mg/L
V	51	3496.287	0.001	-0.000016	mg/L
Cr	52	10641.027	-0.002	0.000077	mg/L
Cr	53	827.058	0.000	0.000064	mg/L
Co	59	143.003	0.000	0.000002	mg/L
Cu	63	294.009	0.000	0.000002	mg/L
Cu	65	149.003	0.000	0.000006	mg/L
Zn	66	306.010	0.000	-0.000019	mg/L
Zn	68	451.019	0.000	-0.000010	mg/L
Ge	72	356310.201	356310.201		mg/L
As	75	322.943	0.000	0.000024	mg/L
Se	77	186.004	0.000	0.000134	mg/L
Se	82	-23.680	0.000	-0.000083	mg/L
Rh	103	428044.594	428044.594		mg/L
Ag	107	352.012	0.001	0.000030	mg/L
Cd	111	10.438	0.000	0.000002	mg/L
Cd	114	15.430	0.000	0.000001	mg/L
Tl	203	84.001	0.000	0.000003	mg/L
Tl	205	205.006	0.000	0.000004	mg/L
Pb	208	739.023	0.000	0.000006	mg/L
Bi	209	416810.264	416810.264		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	495696.003	495696.003		mg/L
Be	9	8.000	0.000	0.000018	mg/L
V	51	3461.533	0.000	0.000012	mg/L
Cr	52	10406.678	0.002	0.000078	mg/L
Cr	53	842.063	0.000	0.000120	mg/L
Co	59	133.003	0.000	0.000001	mg/L
Cu	63	298.009	0.000	0.000001	mg/L
Cu	65	156.004	0.000	0.000012	mg/L
Zn	66	262.008	0.000	0.000031	mg/L
Zn	68	431.019	0.000	0.000002	mg/L
Ge	72	348584.150	348584.150		mg/L
As	75	420.559	0.000	0.000077	mg/L
Se	77	170.004	0.000	0.000044	mg/L
Se	82	15.259	0.000	0.000098	mg/L
Rh	103	433874.475	433874.475		mg/L
Ag	107	272.008	0.001	0.000022	mg/L
Cd	111	8.983	0.000	0.000002	mg/L
Cd	114	21.992	0.000	0.000002	mg/L
Tl	203	88.001	0.000	0.000003	mg/L
Tl	205	199.005	0.000	0.000004	mg/L
Pb	208	743.023	0.000	0.000006	mg/L
Bi	209	411705.748	411705.748		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	498148.112	498148.112		mg/L
Be	9	3.000	0.000	0.000008	mg/L
V	51	3494.520	-0.000	0.000018	mg/L
Cr	52	10515.840	0.002	0.000085	mg/L
Cr	53	874.082	0.000	0.000099	mg/L
Co	59	105.002	0.000	0.000001	mg/L
Cu	63	251.007	-0.000	-0.000004	mg/L
Cu	65	133.003	0.000	0.000007	mg/L
Zn	66	286.009	-0.000	-0.000031	mg/L
Zn	68	407.018	-0.000	-0.000046	mg/L
Ge	72	354842.171	354842.171		mg/L
As	75	313.484	0.000	0.000020	mg/L
Se	77	172.004	0.000	0.000038	mg/L
Se	82	1.781	0.000	0.000018	mg/L
Rh	103	427863.784	427863.784		mg/L
Ag	107	223.006	0.000	0.000018	mg/L
Cd	111	-0.581	0.000	0.000002	mg/L
Cd	114	17.989	0.000	0.000001	mg/L
Tl	203	70.001	0.000	0.000001	mg/L
Tl	205	175.004	0.000	0.000002	mg/L
Pb	208	681.020	0.000	0.000003	mg/L
Bi	209	424649.646	424649.646		mg/L

: 00938

Sample Information

Sample ID: 1000598-BLK1
Autosampler Position: 17
Sample Date/Time: Thursday, January 28, 2010 09:31:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1000598-BLK1.017
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	512970.289	512970.289				mg/L
⌊	Be	9	1.333	0.000	0.000000	0.000	12204.749	mg/L
⌈	V	51	3779.897	0.000	0.000008	0.000	159.379	mg/L
|	Cr	52	13127.855	0.005	0.000178	0.000	19.732	mg/L
|	Cr	53	1042.753	0.001	0.000239	0.000	8.387	mg/L
|	Co	59	134.669	0.000	0.000001	0.000	229.357	mg/L
|	Cu	63	6483.673	0.017	0.001037	0.000	1.269	mg/L
|	Cu	65	3089.699	0.008	0.001028	0.000	2.745	mg/L
|	Zn	66	1838.922	0.004	0.000920	0.000	2.740	mg/L
|	Zn	68	1516.176	0.003	0.000890	0.000	3.054	mg/L
|>	Ge	72	358197.271	358197.271				mg/L
|	As	75	296.469	0.000	0.000010	0.000	384.528	mg/L
|	Se	77	167.337	-0.000	-0.000002	0.000	2149.126	mg/L
⌊	Se	82	11.226	0.000	0.000079	0.000	28.919	mg/L
⌈>	Rh	103	433564.789	433564.789				mg/L
|	Ag	107	141.669	0.000	0.000011	0.000	5.168	mg/L
|	Cd	111	11.684	0.000	0.000003	0.000	64.384	mg/L
⌊	Cd	114	4.171	-0.000	-0.000001	0.000	149.397	mg/L
⌈	Tl	203	61.334	0.000	0.000000	0.000	85.248	mg/L
|	Tl	205	143.336	0.000	0.000001	0.000	153.567	mg/L
|	Pb	208	1619.088	0.002	0.000033	0.000	2.482	mg/L
⌊>	Bi	209	427187.059	427187.059				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.823
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.736
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.581
|	Ag	106.905	

: 00939

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.492

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	514982.519	514982.519		mg/L
Be	9	3.000	0.000	0.000006	mg/L
V	51	3880.568	0.001	0.000018	mg/L
Cr	52	13438.761	0.008	0.000216	mg/L
Cr	53	1014.082	0.001	0.000218	mg/L
Co	59	169.004	0.000	0.000004	mg/L
Cu	63	6544.062	0.018	0.001052	mg/L
Cu	65	3033.674	0.008	0.001013	mg/L
Zn	66	1865.262	0.004	0.000842	mg/L
Zn	68	1536.181	0.003	0.000913	mg/L
Ge	72	356380.884	356690.694		mg/L
As	75	219.847	-0.000	-0.000027	mg/L
Se	77	166.004	0.000	0.000008	mg/L
Se	82	6.549	0.000	0.000056	mg/L
Rh	103	433578.928	433578.928		mg/L
Ag	107	143.003	0.000	0.000011	mg/L
Cd	111	12.584	0.000	0.000003	mg/L
Cd	114	11.503	0.000	0.000000	mg/L
Tl	203	62.001	0.000	0.000000	mg/L
Tl	205	147.003	0.000	0.000001	mg/L
Pb	208	1651.081	0.002	0.000032	mg/L
Bi	209	441475.340	441475.340		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	511937.887	511937.887		mg/L
Be	9	1.000	0.000	0.000001	mg/L
V	51	3838.975	0.000	0.000013	mg/L
Cr	52	12655.687	0.004	0.000148	mg/L
Cr	53	1065.080	0.001	0.000256	mg/L
Co	59	129.002	0.000	0.000001	mg/L
Cu	63	6431.869	0.017	0.001028	mg/L
Cu	65	3040.677	0.008	0.001010	mg/L
Zn	66	1851.258	0.004	0.000827	mg/L
Zn	68	1526.178	0.003	0.000898	mg/L
Ge	72	358487.194	358487.194		mg/L
As	75	291.237	0.000	0.000007	mg/L
Se	77	175.004	0.000	0.000048	mg/L
Se	82	10.643	0.000	0.000078	mg/L
Rh	103	437568.817	437568.817		mg/L
Ag	107	136.003	0.000	0.000010	mg/L
Cd	111	6.534	0.000	0.000001	mg/L
Cd	114	4.308	-0.000	0.000001	mg/L
Tl	203	63.001	0.000	0.000000	mg/L
Tl	205	164.004	0.000	0.000002	mg/L
Pb	208	1588.087	0.002	0.000032	mg/L
Bi	209	423098.300	423098.300		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	511980.483	511980.483		mg/L
Be	9	0.000	0.000	-0.000004	mg/L
V	51	3840.148	0.000	0.000008	mg/L
Cr	52	13091.118	0.004	0.000189	mg/L
Cr	53	1049.088	0.001	0.000241	mg/L
Co	59	108.002	-0.000	-0.000001	mg/L
Cu	63	6474.998	0.017	0.001032	mg/L
Cu	65	3194.746	0.009	0.001061	mg/L
Zn	66	1800.245	0.004	0.000883	mg/L
Zn	68	1488.168	0.003	0.000880	mg/L
Ge	72	356513.925	356513.925		mg/L
As	75	378.324	0.000	0.000050	mg/L
Se	77	181.003	0.000	-0.000048	mg/L
Se	82	16.487	0.000	0.000103	mg/L
Rh	103	429568.622	429568.622		mg/L
Ag	107	146.003	0.000	0.000011	mg/L
Cd	111	15.923	0.000	0.000004	mg/L
Cd	114	-3.296	0.000	0.000002	mg/L
Tl	203	59.001	0.000	0.000000	mg/L
Tl	205	119.002	0.000	0.000000	mg/L
Pb	208	1608.087	0.002	0.000033	mg/L
Bi	209	417026.538	417026.538		mg/L

: 00940

Sample Information

Sample ID: 1000598-BS1
Autosampler Position: 18
Sample Date/Time: Thursday, January 28, 2010 09:34:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1000598-BS1.018
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	514708.662	514708.662				mg/L
⌊	Be	9	11938.087	0.023	0.038220	0.000	0.534	mg/L
⌈	V	51	425374.699	1.196	0.038469	0.001	1.646	mg/L
|	Cr	52	383283.048	1.055	0.039620	0.001	1.549	mg/L
|	Cr	53	45126.550	0.126	0.039465	0.001	1.612	mg/L
|	Co	59	468712.293	1.328	0.038829	0.000	1.224	mg/L
|	Cu	63	231662.109	0.656	0.039318	0.000	0.975	mg/L
|	Cu	65	111750.535	0.316	0.039438	0.001	1.306	mg/L
|	Zn	66	59152.875	0.167	0.036676	0.001	2.571	mg/L
|	Zn	68	43428.054	0.122	0.036976	0.001	1.874	mg/L
|>	Ge	72	352782.521	352782.521				mg/L
|	As	75	76400.912	0.216	0.037984	0.000	0.340	mg/L
|	Se	77	5952.540	0.016	0.037000	0.001	3.249	mg/L
⌊	Se	82	7843.848	0.022	0.036728	0.000	0.292	mg/L
⌈>	Rh	103	427443.008	427443.008				mg/L
|	Ag	107	442733.389	1.036	0.039299	0.000	1.008	mg/L
|	Cd	111	98250.956	0.230	0.037513	0.000	0.648	mg/L
⌊	Cd	114	229010.103	0.536	0.037700	0.001	1.705	mg/L
⌈	Tl	203	373387.223	0.886	0.039668	0.001	3.500	mg/L
|	Tl	205	904004.915	2.145	0.042054	0.001	2.607	mg/L
|	Pb	208	1226140.549	2.909	0.039600	0.001	1.959	mg/L
⌊>	Bi	209	421499.456	421499.456				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	99.158
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	95.274
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	96.203
|	Ag	106.905	

00941

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.167

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	513084.587	513084.587		mg/L
Be	9	11921.059	0.023	0.036298	mg/L
V	51	423769.480	1.173	0.037741	mg/L
Cr	52	382372.538	1.036	0.038911	mg/L
Cr	53	45135.808	0.124	0.038869	mg/L
Co	59	472368.906	1.319	0.038548	mg/L
Cu	63	235002.582	0.655	0.039290	mg/L
Cu	65	112607.812	0.314	0.038145	mg/L
Zn	66	56898.421	0.164	0.035952	mg/L
Zn	68	43260.038	0.120	0.038271	mg/L
Ge	72	358112.067	358112.067		mg/L
As	75	77463.017	0.218	0.037938	mg/L
Se	77	5944.532	0.018	0.036374	mg/L
Se	82	7938.266	0.022	0.038816	mg/L
Rh	103	420940.434	420940.434		mg/L
Ag	107	441108.883	1.048	0.039758	mg/L
Cd	111	99818.450	0.230	0.037578	mg/L
Cd	114	229941.559	0.548	0.038432	mg/L
Tl	203	370182.282	0.868	0.038713	mg/L
Tl	205	915640.611	2.139	0.041937	mg/L
Pb	208	1732020.382	2.877	0.039177	mg/L
Bi	209	427953.383	427953.383		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	518800.541	518800.541		mg/L
Be	9	11981.126	0.023	0.037980	mg/L
V	51	424142.826	1.209	0.038898	mg/L
Cr	52	381401.629	1.065	0.039989	mg/L
Cr	53	45248.306	0.128	0.040135	mg/L
Co	59	468740.130	1.347	0.039378	mg/L
Cu	63	230739.886	0.663	0.039715	mg/L
Cu	65	111861.210	0.321	0.040033	mg/L
Zn	66	60030.801	0.172	0.037745	mg/L
Zn	68	43908.147	0.124	0.037856	mg/L
Ge	72	347855.280	347855.280		mg/L
As	75	75623.780	0.217	0.038130	mg/L
Se	77	6084.651	0.017	0.038388	mg/L
Se	82	7758.035	0.022	0.036831	mg/L
Rh	103	432883.422	432883.422		mg/L
Ag	107	445840.376	1.030	0.039078	mg/L
Cd	111	100040.073	0.231	0.037718	mg/L
Cd	114	229044.193	0.529	0.037227	mg/L
Tl	203	372623.981	0.872	0.039031	mg/L
Tl	205	894186.686	2.093	0.041021	mg/L
Pb	208	1728469.017	2.874	0.039126	mg/L
Bi	209	427253.254	427253.254		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	512260.857	512260.857		mg/L
Be	9	11932.077	0.023	0.036382	mg/L
V	51	428211.781	1.205	0.038788	mg/L
Cr	52	386074.978	1.064	0.039988	mg/L
Cr	53	44997.739	0.126	0.039090	mg/L
Co	59	465027.644	1.319	0.038564	mg/L
Cu	63	229243.848	0.650	0.038960	mg/L
Cu	65	110782.583	0.314	0.039139	mg/L
Zn	66	58529.403	0.165	0.036320	mg/L
Zn	68	43415.979	0.122	0.037002	mg/L
Ge	72	352380.225	352380.225		mg/L
As	75	76115.980	0.215	0.037986	mg/L
Se	77	5826.435	0.016	0.036240	mg/L
Se	82	7837.243	0.022	0.038738	mg/L
Rh	103	428525.168	428525.168		mg/L
Ag	107	441251.098	1.030	0.039085	mg/L
Cd	111	97794.348	0.226	0.037244	mg/L
Cd	114	228044.557	0.532	0.037440	mg/L
Tl	203	377345.445	0.922	0.041260	mg/L
Tl	205	902184.647	2.204	0.043205	mg/L
Pb	208	1717932.267	2.974	0.040496	mg/L
Bi	209	409291.752	409291.752		mg/L

: 00942

Sample Information

Sample ID: 1001286-01
Autosampler Position: 19
Sample Date/Time: Thursday, January 28, 2010 09:37:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-01.019
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	477096.965	477096.965				mg/L
⌊	Be	9	142.336	0.000	0.000487	0.000	8.063	mg/L
⌈	V	51	311985.544	0.878	0.028241	0.000	0.329	mg/L
⌋	Cr	52	208545.587	0.562	0.021100	0.000	1.216	mg/L
⌋	Cr	53	24196.826	0.067	0.020935	0.000	1.106	mg/L
⌋	Co	59	122821.758	0.349	0.010209	0.000	1.580	mg/L
⌋	Cu	63	139753.659	0.397	0.023798	0.000	0.181	mg/L
⌋	Cu	65	68561.842	0.195	0.024277	0.000	0.487	mg/L
⌋	Zn	66	100673.563	0.286	0.062813	0.001	0.919	mg/L
⌋	Zn	68	74130.437	0.210	0.063651	0.000	0.408	mg/L
⌋>	Ge	72	351314.306	351314.306				mg/L
⌋	As	75	28368.170	0.080	0.014077	0.000	2.008	mg/L
⌋	Se	77	310.010	0.000	0.000934	0.000	14.937	mg/L
⌊	Se	82	34.796	0.000	0.000191	0.000	22.333	mg/L
⌈>	Rh	103	389410.140	389410.140				mg/L
⌋	Ag	107	1184.444	0.003	0.000114	0.000	7.862	mg/L
⌋	Cd	111	1542.639	0.004	0.000645	0.000	4.443	mg/L
⌊	Cd	114	1041.842	0.003	0.000187	0.000	2.851	mg/L
⌈	Tl	203	1915.276	0.005	0.000221	0.000	1.511	mg/L
⌋	Tl	205	4703.262	0.012	0.000238	0.000	1.428	mg/L
⌋	Pb	208	745320.013	1.974	0.026870	0.000	1.208	mg/L
⌊>	Bi	209	377415.450	377415.450				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	91.912
⌊	Be	9.012	
⌈	V	50.944	
⌋	Cr	51.941	
⌋	Cr	52.941	
⌋	Co	58.933	
⌋	Cu	62.930	
⌋	Cu	64.928	
⌋	Zn	65.926	
⌋	Zn	67.925	
⌋>	Ge	71.922	94.877
⌋	As	74.922	
⌋	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	87.643
⌋	Ag	106.905	

00943

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	87.900

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	475884.931	475884.931		mg/L
Be	9	133.003	0.000	0.000466	mg/L
V	51	312100.238	0.881	0.028340	mg/L
Cr	52	206404.786	0.557	0.020840	mg/L
Cr	53	23982.433	0.066	0.020810	mg/L
Co	59	120884.681	0.344	0.010080	mg/L
Cu	63	139484.120	0.397	0.023826	mg/L
Cu	65	67874.583	0.194	0.024143	mg/L
Zn	66	98300.462	0.283	0.062147	mg/L
Zn	68	73685.656	0.209	0.063468	mg/L
Ge	72	350229.189	350229.189		mg/L
As	75	29087.788	0.079	0.013986	mg/L
Se	77	319.010	0.000	0.000998	mg/L
Se	82	31.713	0.000	0.000177	mg/L
Rh	103	362919.719	362919.719		mg/L
Ag	107	1256.123	0.003	0.000123	mg/L
Cd	111	1593.421	0.004	0.000678	mg/L
Cd	114	1057.808	0.003	0.000193	mg/L
Tl	203	1944.284	0.005	0.000223	mg/L
Tl	205	4804.663	0.012	0.000243	mg/L
Pb	208	742631.699	1.956	0.026811	mg/L
Bi	209	379679.400	379679.400		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	488217.532	488217.532		mg/L
Be	9	158.003	0.000	0.000531	mg/L
V	51	311818.053	0.877	0.028227	mg/L
Cr	52	211298.774	0.570	0.021398	mg/L
Cr	53	24494.170	0.068	0.021202	mg/L
Co	59	122538.571	0.348	0.010188	mg/L
Cu	63	139482.511	0.396	0.023749	mg/L
Cu	65	68672.215	0.195	0.024318	mg/L
Zn	66	101150.292	0.287	0.063123	mg/L
Zn	68	73998.040	0.209	0.063541	mg/L
Ge	72	351286.257	351286.257		mg/L
As	75	27914.887	0.079	0.013851	mg/L
Se	77	325.011	0.000	0.001031	mg/L
Se	82	44.980	0.000	0.000239	mg/L
Rh	103	394657.567	394657.567		mg/L
Ag	107	1200.113	0.003	0.000114	mg/L
Cd	111	1539.564	0.004	0.000636	mg/L
Cd	114	1034.371	0.003	0.000183	mg/L
Tl	203	1937.782	0.005	0.000223	mg/L
Tl	205	4688.571	0.012	0.000236	mg/L
Pb	208	745234.378	1.956	0.026764	mg/L
Bi	209	378837.405	378837.405		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	469208.431	469208.431		mg/L
Be	9	136.003	0.000	0.000473	mg/L
V	51	312038.329	0.876	0.028155	mg/L
Cr	52	207935.222	0.558	0.020955	mg/L
Cr	53	24113.878	0.068	0.020793	mg/L
Co	59	125272.211	0.356	0.010360	mg/L
Cu	63	140324.347	0.397	0.023820	mg/L
Cu	65	69038.727	0.196	0.024388	mg/L
Zn	66	101580.935	0.287	0.063186	mg/L
Zn	68	74709.415	0.211	0.063948	mg/L
Ge	72	352427.473	352427.473		mg/L
As	75	29092.026	0.082	0.014394	mg/L
Se	77	286.009	0.000	0.000774	mg/L
Se	82	27.697	0.000	0.000157	mg/L
Rh	103	390653.144	390653.144		mg/L
Ag	107	1097.096	0.003	0.000105	mg/L
Cd	111	1494.942	0.004	0.000623	mg/L
Cd	114	1033.351	0.003	0.000185	mg/L
Tl	203	1864.262	0.005	0.000217	mg/L
Tl	205	4638.582	0.012	0.000237	mg/L
Pb	208	748083.983	2.000	0.027234	mg/L
Bi	209	373729.548	373729.548		mg/L

: 09944

Sample Information

Sample ID: 1001286-02
Autosampler Position: 20
Sample Date/Time: Thursday, January 28, 2010 09:41:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-02.020
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	512905.026	512905.026				mg/L
	Be	9	124.669	0.000	0.000396	0.000	4.721	mg/L
	V	51	167201.851	0.449	0.014450	0.000	0.998	mg/L
	Cr	52	139167.776	0.350	0.013166	0.000	1.208	mg/L
	Cr	53	15804.624	0.041	0.012951	0.000	0.356	mg/L
	Co	59	57889.910	0.159	0.004640	0.000	0.954	mg/L
	Cu	63	35544.574	0.097	0.005807	0.000	0.304	mg/L
	Cu	65	17463.497	0.048	0.005934	0.000	0.420	mg/L
	Zn	66	59990.478	0.164	0.036043	0.000	0.519	mg/L
	Zn	68	46354.742	0.126	0.038265	0.000	1.178	mg/L
>	Ge	72	363932.620	363932.620				mg/L
	As	75	10561.306	0.028	0.004972	0.000	2.214	mg/L
	Se	77	262.007	0.000	0.000568	0.000	10.008	mg/L
	Se	82	23.975	0.000	0.000136	0.000	108.283	mg/L
>	Rh	103	428361.320	428361.320				mg/L
	Ag	107	482.354	0.001	0.000041	0.000	4.805	mg/L
	Cd	111	874.741	0.002	0.000332	0.000	8.889	mg/L
	Cd	114	1209.389	0.003	0.000197	0.000	4.226	mg/L
	Tl	203	1159.439	0.003	0.000117	0.000	3.379	mg/L
	Tl	205	2733.884	0.006	0.000121	0.000	2.528	mg/L
	Pb	208	482525.338	1.143	0.015561	0.000	0.708	mg/L
>	Bi	209	421672.264	421672.264				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.810
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.285
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.410
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.207

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	521250.653	521250.653		mg/L
Be	9	133.003	0.000	0.000418	mg/L
V	51	168983.812	0.452	0.014580	mg/L
Cr	52	140330.486	0.363	0.013257	mg/L
Cr	53	15815.648	0.041	0.012933	mg/L
Co	59	58550.875	0.180	0.004883	mg/L
Cu	63	35538.544	0.097	0.005794	mg/L
Cu	65	17563.718	0.048	0.005853	mg/L
Zn	66	60119.544	0.164	0.036060	mg/L
Zn	68	48022.248	0.129	0.037913	mg/L
Ge	72	384683.849	384683.849		mg/L
As	75	10321.105	0.029	0.004846	mg/L
Se	77	271.008	0.000	0.000830	mg/L
Se	82	23.736	0.000	0.000138	mg/L
Rh	103	427825.008	427825.008		mg/L
Ag	107	468.020	0.001	0.000040	mg/L
Cd	111	961.087	0.002	0.000385	mg/L
Cd	114	1283.882	0.003	0.000208	mg/L
Tl	203	1201.113	0.003	0.000121	mg/L
Tl	205	2648.526	0.008	0.000118	mg/L
Pb	208	485311.773	1.150	0.015858	mg/L
Bi	209	421438.562	421438.562		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	507057.501	507057.501		mg/L
Be	9	118.002	0.000	0.000378	mg/L
V	51	185821.630	0.444	0.014288	mg/L
Cr	52	137795.805	0.346	0.012982	mg/L
Cr	53	15911.882	0.041	0.013003	mg/L
Co	59	58068.881	0.158	0.004640	mg/L
Cu	63	35603.869	0.097	0.005798	mg/L
Cu	65	17432.420	0.047	0.005808	mg/L
Zn	66	60471.499	0.166	0.036227	mg/L
Zn	68	47101.256	0.128	0.038773	mg/L
Ge	72	365005.230	365005.230		mg/L
As	75	10751.737	0.029	0.005049	mg/L
Se	77	253.007	0.000	0.000807	mg/L
Se	82	58.519	0.000	0.000283	mg/L
Rh	103	430864.833	430864.833		mg/L
Ag	107	511.023	0.001	0.000043	mg/L
Cd	111	819.778	0.002	0.000308	mg/L
Cd	114	1202.925	0.003	0.000186	mg/L
Tl	203	1127.100	0.003	0.000114	mg/L
Tl	205	2788.573	0.008	0.000124	mg/L
Pb	208	481088.741	1.144	0.015582	mg/L
Bi	209	419866.268	419866.268		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	510406.923	510406.923		mg/L
Be	9	123.002	0.000	0.000393	mg/L
V	51	167120.111	0.451	0.014518	mg/L
Cr	52	139377.058	0.353	0.013258	mg/L
Cr	53	15686.382	0.041	0.012918	mg/L
Co	59	57050.496	0.157	0.004586	mg/L
Cu	63	35491.310	0.097	0.005827	mg/L
Cu	65	17404.352	0.048	0.005943	mg/L
Zn	66	59380.392	0.163	0.035853	mg/L
Zn	68	45940.723	0.126	0.038110	mg/L
Ge	72	362138.682	362138.682		mg/L
As	75	10811.079	0.029	0.005022	mg/L
Se	77	262.007	0.000	0.000678	mg/L
Se	82	8.330	-0.000	-0.000011	mg/L
Rh	103	426394.121	426394.121		mg/L
Ag	107	467.020	0.001	0.000040	mg/L
Cd	111	843.390	0.002	0.000321	mg/L
Cd	114	1161.381	0.003	0.000190	mg/L
Tl	203	1150.104	0.003	0.000115	mg/L
Tl	205	2743.564	0.008	0.000121	mg/L
Pb	208	481174.501	1.134	0.015442	mg/L
Bi	209	423722.963	423722.963		mg/L

: 00946

Sample Information

Sample ID: 1001286-03
Autosampler Position: 21
Sample Date/Time: Thursday, January 28, 2010 09:44:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-03.021
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	507402.000	507402.000				mg/L
	Be	9	73.334	0.000	0.000234	0.000	20.601	mg/L
	V	51	193924.631	0.556	0.017874	0.000	1.413	mg/L
	Cr	52	142654.974	0.384	0.014437	0.000	1.190	mg/L
	Cr	53	16074.896	0.045	0.014041	0.000	0.766	mg/L
	Co	59	87356.421	0.255	0.007441	0.000	3.154	mg/L
	Cu	63	107388.996	0.313	0.018736	0.000	1.037	mg/L
	Cu	65	52360.403	0.152	0.018995	0.000	0.908	mg/L
	Zn	66	70874.269	0.206	0.045271	0.000	0.217	mg/L
	Zn	68	50227.484	0.145	0.044088	0.000	0.728	mg/L
>	Ge	72	342722.968	342722.968				mg/L
	As	75	29981.063	0.087	0.015263	0.000	1.868	mg/L
	Se	77	268.341	0.000	0.000710	0.000	5.356	mg/L
	Se	82	61.809	0.000	0.000325	0.000	22.889	mg/L
>	Rh	103	390000.361	390000.361				mg/L
	Ag	107	661.704	0.002	0.000063	0.000	8.203	mg/L
	Cd	111	1197.012	0.003	0.000499	0.000	6.802	mg/L
	Cd	114	839.173	0.002	0.000150	0.000	3.377	mg/L
	Tl	203	1973.292	0.005	0.000228	0.000	3.817	mg/L
	Tl	205	4801.662	0.012	0.000243	0.000	0.862	mg/L
	Pb	208	300776.518	0.794	0.010814	0.000	1.409	mg/L
>	Bi	209	378045.871	378045.871				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.750
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	92.557
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	87.776
	Ag	106.905	

: 00947

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	88.047

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	501510.843	501510.843		mg/L
Be	9	89.001	0.000	0.000288	mg/L
V	51	193878.561	0.556	0.017878	mg/L
Cr	52	144438.139	0.390	0.014632	mg/L
Cr	53	18186.502	0.045	0.014152	mg/L
Co	59	84883.228	0.247	0.007230	mg/L
Cu	63	106961.970	0.311	0.016661	mg/L
Cu	65	52424.200	0.153	0.019018	mg/L
Zn	66	70841.265	0.208	0.045250	mg/L
Zn	68	50819.233	0.148	0.044435	mg/L
Ge	72	342724.938	342724.938		mg/L
As	75	30340.661	0.088	0.015447	mg/L
Se	77	275.008	0.000	0.000754	mg/L
Se	82	67.294	0.000	0.000351	mg/L
Rh	103	390134.938	390134.938		mg/L
Ag	107	616.033	0.002	0.000069	mg/L
Cd	111	1226.000	0.003	0.000512	mg/L
Cd	114	818.780	0.002	0.000148	mg/L
Tl	203	1920.277	0.006	0.000220	mg/L
Tl	205	4830.681	0.012	0.000243	mg/L
Pb	208	299177.858	0.784	0.010681	mg/L
Bi	209	380680.847	380680.847		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	508263.880	508263.880		mg/L
Be	9	89.001	0.000	0.000218	mg/L
V	51	195843.977	0.563	0.018125	mg/L
Cr	52	141363.548	0.383	0.014371	mg/L
Cr	53	15882.797	0.044	0.013637	mg/L
Co	59	85862.883	0.263	0.007594	mg/L
Cu	63	108124.288	0.318	0.018987	mg/L
Cu	65	52545.084	0.154	0.019156	mg/L
Zn	66	70364.880	0.206	0.046185	mg/L
Zn	68	49817.312	0.145	0.044030	mg/L
Ge	72	341052.864	341052.864		mg/L
As	75	30116.630	0.088	0.015407	mg/L
Se	77	264.008	0.000	0.000680	mg/L
Se	82	44.113	0.000	0.000241	mg/L
Rh	103	391803.874	391803.874		mg/L
Ag	107	650.038	0.002	0.000081	mg/L
Cd	111	1263.808	0.003	0.000525	mg/L
Cd	114	875.098	0.002	0.000156	mg/L
Tl	203	2025.307	0.006	0.000237	mg/L
Tl	205	4700.563	0.012	0.000241	mg/L
Pb	208	301402.028	0.808	0.010980	mg/L
Bi	209	373073.548	373073.548		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	512431.468	512431.468		mg/L
Be	9	62.001	0.000	0.000196	mg/L
V	51	192151.354	0.548	0.017619	mg/L
Cr	52	142165.234	0.381	0.014308	mg/L
Cr	53	16146.390	0.046	0.014036	mg/L
Co	59	87303.156	0.253	0.007400	mg/L
Cu	63	107080.731	0.310	0.018581	mg/L
Cu	65	52111.924	0.151	0.018812	mg/L
Zn	66	71388.880	0.206	0.045378	mg/L
Zn	68	50145.907	0.144	0.043801	mg/L
Ge	72	344391.302	344391.302		mg/L
As	75	29485.867	0.085	0.014934	mg/L
Se	77	266.008	0.000	0.000686	mg/L
Se	82	74.021	0.000	0.000382	mg/L
Rh	103	358062.472	358062.472		mg/L
Ag	107	717.043	0.002	0.000089	mg/L
Cd	111	1099.231	0.003	0.000461	mg/L
Cd	114	823.844	0.002	0.000148	mg/L
Tl	203	1974.293	0.006	0.000228	mg/L
Tl	205	4873.711	0.013	0.000248	mg/L
Pb	208	301749.671	0.792	0.010761	mg/L
Bi	209	380383.421	380383.421		mg/L

Sample Information

Sample ID: 1001286-04
Autosampler Position: 22
Sample Date/Time: Thursday, January 28, 2010 09:48:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-04.022
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	504319.996	504319.996				mg/L
	Be	9	824.723	0.002	0.002691	0.000	3.375	mg/L
	V	51	383255.469	1.014	0.032618	0.001	2.039	mg/L
	Cr	52	368540.546	0.953	0.035793	0.000	0.769	mg/L
	Cr	53	41957.633	0.110	0.034499	0.000	0.506	mg/L
	Co	59	143052.383	0.382	0.011163	0.000	1.885	mg/L
	Cu	63	710350.836	1.897	0.113734	0.001	0.824	mg/L
	Cu	65	343950.961	0.919	0.114503	0.001	1.238	mg/L
	Zn	66	483828.843	1.292	0.284109	0.002	0.593	mg/L
	Zn	68	347643.809	0.928	0.281545	0.001	0.502	mg/L
>	Ge	72	374257.527	374257.527				mg/L
	As	75	643100.919	1.718	0.302319	0.001	0.471	mg/L
	Se	77	731.712	0.001	0.003353	0.000	7.283	mg/L
	Se	82	694.701	0.002	0.003091	0.000	1.822	mg/L
>	Rh	103	415565.672	415565.672				mg/L
	Ag	107	2153.680	0.005	0.000195	0.000	2.988	mg/L
	Cd	111	4520.211	0.011	0.001774	0.000	1.327	mg/L
	Cd	114	6509.978	0.016	0.001101	0.000	1.417	mg/L
	Tl	203	8134.377	0.019	0.000848	0.000	1.458	mg/L
	Tl	205	19880.159	0.046	0.000908	0.000	1.666	mg/L
	Pb	208	8655023.594	20.301	0.276394	0.005	1.972	mg/L
>	Bi	209	426423.894	426423.894				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.156
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.073
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	93.530
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.314

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	502016.387	502016.387		mg/L
Be	9	826.056	0.002	0.002704	mg/L
V	51	388120.146	1.038	0.033317	mg/L
Cr	52	385017.881	0.953	0.035750	mg/L
Cr	53	41398.038	0.108	0.034325	mg/L
Co	59	140966.680	0.378	0.011083	mg/L
Cu	63	710846.229	1.918	0.114774	mg/L
Cu	65	344906.236	0.929	0.116799	mg/L
Zn	66	479863.181	1.292	0.264044	mg/L
Zn	68	346611.513	0.930	0.262194	mg/L
Ge	72	371108.002	371108.002		mg/L
As	75	636489.000	1.714	0.301749	mg/L
Se	77	719.043	0.001	0.003313	mg/L
Se	82	588.880	0.002	0.003082	mg/L
Rh	103	416182.241	416182.241		mg/L
Ag	107	2083.325	0.005	0.000188	mg/L
Cd	111	4538.014	0.011	0.001778	mg/L
Cd	114	6466.429	0.016	0.001082	mg/L
Tl	203	8171.753	0.019	0.000834	mg/L
Tl	205	19858.043	0.046	0.000883	mg/L
Pb	208	8650544.589	19.867	0.270494	mg/L
Bi	209	435384.887	435384.887		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	505395.887	505395.887		mg/L
Be	9	852.069	0.002	0.002774	mg/L
V	51	378422.718	0.984	0.031983	mg/L
Cr	52	371879.629	0.961	0.036087	mg/L
Cr	53	42212.788	0.111	0.034675	mg/L
Co	59	146241.338	0.390	0.011399	mg/L
Cu	63	709531.838	1.863	0.113473	mg/L
Cu	65	345064.177	0.921	0.114738	mg/L
Zn	66	487282.872	1.300	0.266824	mg/L
Zn	68	346022.377	0.922	0.279825	mg/L
Ge	72	374664.686	374664.686		mg/L
As	75	647248.304	1.727	0.302939	mg/L
Se	77	778.050	0.002	0.003815	mg/L
Se	82	708.150	0.002	0.003161	mg/L
Rh	103	414418.075	414418.075		mg/L
Ag	107	2178.354	0.006	0.000196	mg/L
Cd	111	4561.194	0.011	0.001795	mg/L
Cd	114	6598.208	0.016	0.001119	mg/L
Tl	203	8154.734	0.019	0.000853	mg/L
Tl	205	19861.746	0.046	0.000909	mg/L
Pb	208	8666508.485	20.378	0.277444	mg/L
Bi	209	425381.172	425381.172		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	505547.815	505547.815		mg/L
Be	9	787.052	0.002	0.002594	mg/L
V	51	385223.543	1.011	0.032544	mg/L
Cr	52	368724.180	0.948	0.035642	mg/L
Cr	53	42281.072	0.110	0.034488	mg/L
Co	59	141956.134	0.378	0.010998	mg/L
Cu	63	710685.440	1.864	0.113954	mg/L
Cu	65	341893.471	0.907	0.112983	mg/L
Zn	66	484550.778	1.264	0.262456	mg/L
Zn	68	351397.538	0.931	0.282518	mg/L
Ge	72	376099.893	376099.893		mg/L
As	75	645565.452	1.712	0.301268	mg/L
Se	77	700.041	0.001	0.003131	mg/L
Se	82	686.093	0.002	0.003040	mg/L
Rh	103	416116.688	416116.688		mg/L
Ag	107	2199.381	0.006	0.000199	mg/L
Cd	111	4461.425	0.011	0.001748	mg/L
Cd	114	6485.297	0.016	0.001092	mg/L
Tl	203	8078.644	0.019	0.000858	mg/L
Tl	205	19830.688	0.047	0.000823	mg/L
Pb	208	8646017.747	20.557	0.281244	mg/L
Bi	209	418625.522	418625.522		mg/L

Sample Information

Sample ID: 1001286-05
Autosampler Position: 23
Sample Date/Time: Thursday, January 28, 2010 09:51:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-05.023
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	507163.485	507163.485				mg/L
[	Be	9	84.335	0.000	0.000270	0.000	5.027	mg/L
[	V	51	247854.935	0.723	0.023262	0.000	0.588	mg/L
[	Cr	52	154335.786	0.425	0.015954	0.000	0.635	mg/L
[	Cr	53	18009.857	0.051	0.016043	0.000	0.383	mg/L
[	Co	59	94177.110	0.278	0.008136	0.000	2.197	mg/L
[	Cu	63	117861.273	0.348	0.020856	0.000	1.029	mg/L
[	Cu	65	58084.478	0.171	0.021372	0.000	1.146	mg/L
[	Zn	66	77659.362	0.229	0.050321	0.000	0.645	mg/L
[	Zn	68	54803.992	0.161	0.048820	0.000	0.700	mg/L
[>	Ge	72	338009.253	338009.253				mg/L
[	As	75	40529.714	0.119	0.020971	0.000	0.838	mg/L
[	Se	77	302.343	0.000	0.000962	0.000	3.412	mg/L
[	Se	82	72.437	0.000	0.000380	0.000	44.882	mg/L
[>	Rh	103	386871.865	386871.865				mg/L
[	Ag	107	784.384	0.002	0.000075	0.000	0.423	mg/L
[	Cd	111	1304.793	0.003	0.000549	0.000	1.131	mg/L
[	Cd	114	542.020	0.001	0.000097	0.000	1.448	mg/L
[	Tl	203	1251.122	0.003	0.000147	0.000	2.019	mg/L
[	Tl	205	2974.983	0.008	0.000154	0.000	4.038	mg/L
[	Pb	208	367297.718	1.006	0.013691	0.000	0.730	mg/L
[>	Bi	209	364758.227	364758.227				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	97.704
[	Be	9.012	
[	V	50.944	
[	Cr	51.941	
[	Cr	52.941	
[	Co	58.933	
[	Cu	62.930	
[	Cu	64.928	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	91.284
[	As	74.922	
[	Se	76.920	
[	Se	81.917	
[>	Rh	102.905	87.072
[	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

84.952

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	512330.603	512330.603		mg/L
Be	9	90.001	0.000	0.000286	mg/L
V	51	249827.739	0.722	0.023244	mg/L
Cr	52	156407.958	0.424	0.015824	mg/L
Cr	53	18120.136	0.051	0.016000	mg/L
Co	59	93976.088	0.278	0.008047	mg/L
Cu	63	118731.661	0.346	0.020740	mg/L
Cu	65	58879.264	0.172	0.021477	mg/L
Zn	66	77829.487	0.227	0.049866	mg/L
Zn	68	54651.348	0.160	0.048437	mg/L
Ge	72	340938.446	340938.446		mg/L
As	75	40662.616	0.119	0.020873	mg/L
Se	77	301.008	0.000	0.000835	mg/L
Se	82	110.703	0.000	0.000663	mg/L
Rh	103	384214.580	384214.580		mg/L
Ag	107	782.051	0.002	0.000078	mg/L
Cd	111	1298.399	0.003	0.000560	mg/L
Cd	114	346.238	0.001	0.000099	mg/L
Tl	203	1240.120	0.003	0.000144	mg/L
Tl	205	3083.688	0.009	0.000187	mg/L
Pb	208	371891.456	1.008	0.013884	mg/L
Bi	209	368224.018	368224.018		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	504808.888	504808.888		mg/L
Be	9	82.001	0.000	0.000284	mg/L
V	51	246242.143	0.727	0.023405	mg/L
Cr	52	153401.254	0.428	0.016087	mg/L
Cr	53	17858.478	0.051	0.016114	mg/L
Co	59	95356.210	0.286	0.008341	mg/L
Cu	63	117764.016	0.352	0.021104	mg/L
Cu	65	57831.667	0.173	0.021548	mg/L
Zn	66	76884.198	0.229	0.050322	mg/L
Zn	68	54418.048	0.163	0.049095	mg/L
Ge	72	333752.809	333752.809		mg/L
As	75	40408.687	0.120	0.021174	mg/L
Se	77	304.010	0.000	0.000899	mg/L
Se	82	65.981	0.000	0.000354	mg/L
Rh	103	390486.385	390486.385		mg/L
Ag	107	792.052	0.002	0.000079	mg/L
Cd	111	1330.275	0.003	0.000564	mg/L
Cd	114	539.573	0.001	0.000096	mg/L
Tl	203	1272.128	0.003	0.000150	mg/L
Tl	205	2840.593	0.007	0.000147	mg/L
Pb	208	364340.752	0.988	0.013580	mg/L
Bi	209	364508.711	364508.711		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	504550.985	504550.985		mg/L
Be	9	81.001	0.000	0.000280	mg/L
V	51	247494.923	0.719	0.023134	mg/L
Cr	52	154198.147	0.422	0.015871	mg/L
Cr	53	18060.980	0.051	0.016015	mg/L
Co	59	93201.038	0.274	0.008018	mg/L
Cu	63	117586.183	0.348	0.020725	mg/L
Cu	65	57552.503	0.169	0.021082	mg/L
Zn	66	78464.392	0.230	0.050845	mg/L
Zn	68	55142.580	0.161	0.048928	mg/L
Ge	72	339338.704	339338.704		mg/L
As	75	40488.888	0.118	0.020867	mg/L
Se	77	302.008	0.000	0.000861	mg/L
Se	82	40.627	0.000	0.000229	mg/L
Rh	103	385814.648	385814.648		mg/L
Ag	107	778.050	0.002	0.000075	mg/L
Cd	111	1285.708	0.003	0.000542	mg/L
Cd	114	540.248	0.001	0.000097	mg/L
Tl	203	1241.120	0.003	0.000148	mg/L
Tl	205	3020.688	0.008	0.000158	mg/L
Pb	208	363671.446	1.013	0.013790	mg/L
Bi	209	360543.954	360543.954		mg/L

: 00952

Sample Information

Sample ID: 1001286-06
Autosampler Position: 24
Sample Date/Time: Thursday, January 28, 2010 09:54:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-06.024
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	515583.976	515583.976				mg/L
	Be	9	298.009	0.001	0.000950	0.000	16.649	mg/L
	V	51	308019.804	0.841	0.027067	0.000	0.875	mg/L
	Cr	52	333454.660	0.890	0.033433	0.000	1.089	mg/L
	Cr	53	38207.298	0.103	0.032470	0.001	1.891	mg/L
	Co	59	98302.855	0.271	0.007934	0.000	0.922	mg/L
	Cu	63	240959.093	0.665	0.039885	0.000	0.436	mg/L
	Cu	65	115146.542	0.318	0.039629	0.000	0.410	mg/L
	Zn	66	835273.839	2.308	0.507658	0.003	0.653	mg/L
	Zn	68	619812.320	1.712	0.519762	0.009	1.716	mg/L
>	Ge	72	361721.377	361721.377				mg/L
	As	75	26264.744	0.072	0.012645	0.000	0.462	mg/L
	Se	77	348.679	0.000	0.001119	0.000	6.352	mg/L
	Se	82	199.490	0.001	0.000937	0.000	7.186	mg/L
>	Rh	103	418442.212	418442.212				mg/L
	Ag	107	1592.193	0.004	0.000143	0.000	1.449	mg/L
	Cd	111	17728.842	0.042	0.006913	0.000	1.471	mg/L
	Cd	114	38735.555	0.093	0.006512	0.000	1.202	mg/L
	Tl	203	2459.448	0.006	0.000251	0.000	2.897	mg/L
	Tl	205	5785.400	0.013	0.000259	0.000	1.556	mg/L
	Pb	208	11820515.502	27.617	0.376012	0.012	3.269	mg/L
>	Bi	209	428249.233	428249.233				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	99.326
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.688
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	94.177
	Ag	106.905	

00953

Cd	110.904	
Cd	113.904	
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	527273.578	527273.578		mg/L
Be	9	248.007	0.000	0.000771	mg/L
V	51	306343.228	0.845	0.027108	mg/L
Cr	52	334729.788	0.900	0.033807	mg/L
Cr	53	38411.387	0.106	0.032878	mg/L
Co	59	97003.194	0.270	0.007884	mg/L
Cu	63	239141.653	0.668	0.039881	mg/L
Cu	65	114294.268	0.318	0.039811	mg/L
Zn	66	829402.088	2.308	0.507809	mg/L
Zn	68	622853.688	1.733	0.525918	mg/L
Ge	72	358198.639	358198.639		mg/L
As	75	26193.563	0.072	0.012700	mg/L
Se	77	353.012	0.001	0.001160	mg/L
Se	82	211.900	0.001	0.001001	mg/L
Rh	103	415940.888	415940.888		mg/L
Ag	107	1598.194	0.004	0.000144	mg/L
Cd	111	17392.301	0.042	0.006623	mg/L
Cd	114	36508.863	0.093	0.006513	mg/L
Tl	203	2456.447	0.006	0.000243	mg/L
Tl	205	5857.468	0.013	0.000254	mg/L
Pb	208	11747036.912	28.580	0.381886	mg/L
Bi	209	441928.088	441928.088		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	510042.189	510042.189		mg/L
Be	9	314.010	0.001	0.001010	mg/L
V	51	308630.319	0.848	0.027281	mg/L
Cr	52	331223.862	0.888	0.033412	mg/L
Cr	53	38320.902	0.104	0.032770	mg/L
Co	59	98732.887	0.274	0.008018	mg/L
Cu	63	240586.078	0.668	0.040070	mg/L
Cu	65	114932.423	0.319	0.039800	mg/L
Zn	66	835622.340	2.323	0.510997	mg/L
Zn	68	626802.288	1.726	0.523838	mg/L
Ge	72	359493.956	359493.956		mg/L
As	75	26118.467	0.072	0.012653	mg/L
Se	77	353.012	0.001	0.001159	mg/L
Se	82	182.856	0.001	0.000867	mg/L
Rh	103	417735.209	417735.209		mg/L
Ag	107	1563.187	0.004	0.000140	mg/L
Cd	111	17645.808	0.042	0.006693	mg/L
Cd	114	39134.350	0.094	0.006580	mg/L
Tl	203	2445.443	0.006	0.000256	mg/L
Tl	205	5703.333	0.013	0.000261	mg/L
Pb	208	11827003.582	28.224	0.384286	mg/L
Bi	209	419025.806	419025.806		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	509436.153	509436.153		mg/L
Be	9	332.011	0.001	0.001070	mg/L
V	51	309166.869	0.833	0.026813	mg/L
Cr	52	334410.332	0.881	0.033080	mg/L
Cr	53	37889.808	0.101	0.031784	mg/L
Co	59	99172.704	0.270	0.007900	mg/L
Cu	63	242148.560	0.663	0.039724	mg/L
Cu	65	116212.906	0.317	0.039477	mg/L
Zn	66	840797.088	2.293	0.504389	mg/L
Zn	68	615680.998	1.679	0.509532	mg/L
Ge	72	358471.536	358471.536		mg/L
As	75	26482.171	0.071	0.012584	mg/L
Se	77	340.011	0.000	0.001037	mg/L
Se	82	203.712	0.001	0.000948	mg/L
Rh	103	421850.541	421850.541		mg/L
Ag	107	1617.199	0.004	0.000144	mg/L
Cd	111	18148.421	0.043	0.007023	mg/L
Cd	114	38582.653	0.091	0.006433	mg/L
Tl	203	2476.454	0.006	0.000256	mg/L
Tl	205	5785.400	0.013	0.000262	mg/L
Pb	208	11887504.011	28.048	0.381885	mg/L
Bi	209	423793.997	423793.997		mg/L

Sample Information

Sample ID: 1001286-07
Autosampler Position: 25
Sample Date/Time: Thursday, January 28, 2010 09:58:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-07.025
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	488618.825	488618.825				mg/L
	Be	9	138.669	0.000	0.000463	0.000	2.976	mg/L
	V	51	355266.090	1.024	0.032959	0.000	0.274	mg/L
	Cr	52	221154.299	0.612	0.022998	0.000	0.700	mg/L
	Cr	53	25917.865	0.073	0.023009	0.000	1.225	mg/L
	Co	59	164223.130	0.478	0.013971	0.000	1.153	mg/L
	Cu	63	168266.349	0.489	0.029329	0.000	0.522	mg/L
	Cu	65	81975.193	0.238	0.029711	0.000	0.668	mg/L
	Zn	66	98824.956	0.287	0.063094	0.001	0.991	mg/L
	Zn	68	69896.023	0.202	0.061396	0.001	0.898	mg/L
>	Ge	72	343349.079	343349.079				mg/L
	As	75	34457.258	0.100	0.017530	0.000	2.088	mg/L
	Se	77	302.009	0.000	0.000928	0.000	2.534	mg/L
	Se	82	73.794	0.000	0.000382	0.000	57.438	mg/L
>	Rh	103	393423.315	393423.315				mg/L
	Ag	107	1062.756	0.003	0.000101	0.000	4.330	mg/L
	Cd	111	1961.950	0.005	0.000812	0.000	3.008	mg/L
	Cd	114	1182.088	0.003	0.000210	0.000	1.690	mg/L
	Tl	203	2895.616	0.008	0.000346	0.000	2.321	mg/L
	Tl	205	6966.132	0.019	0.000365	0.000	2.005	mg/L
	Pb	208	354432.215	0.960	0.013077	0.000	0.874	mg/L
>	Bi	209	368482.509	368482.509				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.131
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	92.726
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	88.546
	Ag	106.905	

: 00955

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

85.819

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	489881.656	489881.656		mg/L
Be	9	143.003	0.000	0.000477	mg/L
V	51	355933.517	1.028	0.033061	mg/L
Cr	52	221400.074	0.814	0.023063	mg/L
Cr	53	25604.063	0.073	0.022750	mg/L
Co	59	162380.812	0.473	0.013831	mg/L
Cu	63	167207.086	0.487	0.029179	mg/L
Cu	65	81966.461	0.239	0.029743	mg/L
Zn	66	97982.434	0.285	0.062627	mg/L
Zn	68	70435.278	0.204	0.061946	mg/L
Ge	72	342943.043	342943.043		mg/L
As	75	34608.321	0.100	0.017526	mg/L
Se	77	303.008	0.000	0.000837	mg/L
Se	82	22.367	0.000	0.000136	mg/L
Rh	103	397585.448	397585.448		mg/L
Ag	107	1029.084	0.003	0.000087	mg/L
Cd	111	1934.236	0.006	0.000782	mg/L
Cd	114	1174.356	0.003	0.000206	mg/L
Tl	203	2953.616	0.008	0.000342	mg/L
Tl	205	6878.380	0.018	0.000367	mg/L
Pb	208	356033.383	0.994	0.012982	mg/L
Bi	209	371792.251	371792.251		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	489036.588	489036.588		mg/L
Be	9	139.003	0.000	0.000464	mg/L
V	51	357358.486	1.023	0.032927	mg/L
Cr	52	221008.242	0.607	0.022817	mg/L
Cr	53	28051.682	0.073	0.022988	mg/L
Co	59	164926.982	0.477	0.013935	mg/L
Cu	63	170318.343	0.492	0.029485	mg/L
Cu	65	81949.231	0.237	0.029488	mg/L
Zn	66	99122.007	0.288	0.062850	mg/L
Zn	68	69745.581	0.200	0.060841	mg/L
Ge	72	345702.427	345702.427		mg/L
As	75	32901.981	0.087	0.017126	mg/L
Se	77	300.009	0.000	0.000801	mg/L
Se	82	90.088	0.000	0.000457	mg/L
Rh	103	398731.085	398731.085		mg/L
Ag	107	1090.094	0.003	0.000105	mg/L
Cd	111	1910.925	0.006	0.000806	mg/L
Cd	114	1181.278	0.003	0.000213	mg/L
Tl	203	2834.591	0.008	0.000340	mg/L
Tl	205	6958.458	0.019	0.000388	mg/L
Pb	208	358162.784	0.970	0.013204	mg/L
Bi	209	388719.808	388719.808		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	486938.236	486938.236		mg/L
Be	9	134.003	0.000	0.000449	mg/L
V	51	352505.269	1.022	0.032869	mg/L
Cr	52	221053.563	0.616	0.023124	mg/L
Cr	53	28097.850	0.074	0.023309	mg/L
Co	59	165351.617	0.484	0.014147	mg/L
Cu	63	167273.617	0.489	0.029323	mg/L
Cu	65	82008.868	0.240	0.029881	mg/L
Zn	66	99370.426	0.290	0.063604	mg/L
Zn	68	69907.242	0.202	0.061401	mg/L
Ge	72	341401.788	341401.788		mg/L
As	75	34863.462	0.101	0.017839	mg/L
Se	77	303.009	0.000	0.000846	mg/L
Se	82	108.930	0.000	0.000564	mg/L
Rh	103	395063.418	395063.418		mg/L
Ag	107	1069.081	0.003	0.000101	mg/L
Cd	111	2040.680	0.006	0.000840	mg/L
Cd	114	1190.632	0.003	0.000210	mg/L
Tl	203	2958.642	0.008	0.000356	mg/L
Tl	205	7058.567	0.018	0.000371	mg/L
Pb	208	352100.487	0.958	0.013045	mg/L
Bi	209	366935.471	366935.471		mg/L

: 00956

Sample Information

Sample ID: 1000598-MS1
Autosampler Position: 26
Sample Date/Time: Thursday, January 28, 2010 10:01:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1000598-MS1.026
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	497154.071	497154.071				mg/L
⌊	Be	9	11025.279	0.022	0.036544	0.000	0.886	mg/L
⌈	V	51	713035.948	2.106	0.067760	0.001	1.102	mg/L
|	Cr	52	529298.300	1.539	0.057814	0.001	1.743	mg/L
|	Cr	53	62608.485	0.184	0.057628	0.001	0.905	mg/L
|	Co	59	569025.595	1.689	0.049356	0.000	0.717	mg/L
|	Cu	63	355582.159	1.055	0.063218	0.001	1.137	mg/L
|	Cu	65	171136.612	0.508	0.063262	0.001	1.045	mg/L
|	Zn	66	137765.616	0.408	0.089720	0.001	1.139	mg/L
|	Zn	68	98638.404	0.291	0.088466	0.001	0.856	mg/L
|>	Ge	72	336926.330	336926.330				mg/L
|	As	75	101738.325	0.301	0.053015	0.000	0.337	mg/L
|	Se	77	5477.488	0.016	0.035604	0.001	1.692	mg/L
⌊	Se	82	7194.746	0.021	0.035275	0.000	1.235	mg/L
⌈>	Rh	103	383925.649	383925.649				mg/L
|	Ag	107	385096.714	1.003	0.038054	0.000	0.743	mg/L
|	Cd	111	94437.013	0.246	0.040144	0.001	1.801	mg/L
⌊	Cd	114	218315.777	0.569	0.040007	0.001	1.563	mg/L
⌈	Tl	203	333396.961	0.911	0.040775	0.001	1.443	mg/L
|	Tl	205	797734.128	2.180	0.042729	0.001	1.281	mg/L
|	Pb	208	1401691.895	3.829	0.052131	0.001	1.058	mg/L
⌊>	Bi	209	365950.425	365950.425				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.776
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	90.992
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	86.409
|	Ag	106.905	

00957

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	85.230

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	497810.381	497810.381		mg/L
Be	9	11103.735	0.022	0.036747	mg/L
V	51	711587.681	2.091	0.067378	mg/L
Cr	52	536444.630	1.556	0.058530	mg/L
Cr	53	62280.886	0.182	0.057027	mg/L
Co	59	568801.744	1.679	0.049086	mg/L
Cu	63	352736.267	1.041	0.062382	mg/L
Cu	65	169862.786	0.501	0.062503	mg/L
Zn	66	136879.664	0.403	0.059556	mg/L
Zn	68	99117.052	0.291	0.059444	mg/L
Ge	72	338842.966	338842.966		mg/L
As	75	101982.881	0.300	0.052872	mg/L
Se	77	5408.101	0.016	0.034984	mg/L
Se	82	7227.883	0.021	0.035257	mg/L
Rh	103	383108.446	383108.446		mg/L
Ag	107	381742.116	0.998	0.037803	mg/L
Cd	111	94378.891	0.246	0.040208	mg/L
Cd	114	218211.325	0.570	0.040073	mg/L
Tl	203	333394.448	0.900	0.040283	mg/L
Tl	205	804502.980	2.172	0.042584	mg/L
Pb	208	1415727.109	3.823	0.052034	mg/L
Bi	209	370295.409	370295.409		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	499815.419	499815.419		mg/L
Be	9	10973.532	0.022	0.036170	mg/L
V	51	708615.202	2.094	0.067386	mg/L
Cr	52	518580.382	1.509	0.056652	mg/L
Cr	53	62929.620	0.186	0.057968	mg/L
Co	59	573231.778	1.702	0.049758	mg/L
Cu	63	357268.334	1.060	0.063562	mg/L
Cu	65	171848.308	0.510	0.063568	mg/L
Zn	66	138617.310	0.411	0.060469	mg/L
Zn	68	97740.148	0.289	0.057719	mg/L
Ge	72	336682.443	336682.443		mg/L
As	75	101556.298	0.301	0.052957	mg/L
Se	77	5490.184	0.016	0.035714	mg/L
Se	82	7102.629	0.021	0.034848	mg/L
Rh	103	384231.432	384231.432		mg/L
Ag	107	388503.508	1.011	0.038380	mg/L
Cd	111	92742.411	0.241	0.039382	mg/L
Cd	114	214908.410	0.559	0.039361	mg/L
Tl	203	336429.951	0.908	0.041431	mg/L
Tl	205	803438.580	2.211	0.043334	mg/L
Pb	208	1407822.313	3.873	0.052724	mg/L
Bi	209	363409.877	363409.877		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	493636.433	493636.433		mg/L
Be	9	10998.571	0.022	0.036714	mg/L
V	51	718904.650	2.133	0.068620	mg/L
Cr	52	530889.888	1.551	0.058250	mg/L
Cr	53	62614.889	0.185	0.057888	mg/L
Co	59	565043.264	1.684	0.049225	mg/L
Cu	63	356738.874	1.063	0.063701	mg/L
Cu	65	171610.742	0.511	0.063714	mg/L
Zn	66	137799.882	0.410	0.060134	mg/L
Zn	68	99067.116	0.294	0.059234	mg/L
Ge	72	335453.593	335453.593		mg/L
As	75	101676.796	0.302	0.053215	mg/L
Se	77	5534.198	0.016	0.036144	mg/L
Se	82	7253.716	0.022	0.035719	mg/L
Rh	103	384437.088	384437.088		mg/L
Ag	107	385044.517	1.002	0.037998	mg/L
Cd	111	96189.736	0.250	0.040835	mg/L
Cd	114	221827.587	0.577	0.040606	mg/L
Tl	203	330368.486	0.907	0.040802	mg/L
Tl	205	785260.815	2.156	0.042268	mg/L
Pb	208	1381526.262	3.792	0.051638	mg/L
Bi	209	364145.989	364145.989		mg/L

: 00958

Sample Information

Sample ID: 0A28009-CCV
Autosampler Position: 2
Sample Date/Time: Thursday, January 28, 2010 10:05:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CCV.027
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	509177.675	509177.675				mg/L
⌊	Be	9	11917.387	0.023	0.038567	0.001	1.543	mg/L
⌈	V	51	436068.240	1.224	0.039369	0.000	1.166	mg/L
|	Cr	52	393227.291	1.081	0.040600	0.000	1.114	mg/L
|	Cr	53	46058.494	0.128	0.040214	0.000	0.528	mg/L
|	Co	59	490733.242	1.388	0.040581	0.001	1.537	mg/L
|	Cu	63	237188.757	0.670	0.040185	0.000	1.220	mg/L
|	Cu	65	114457.674	0.323	0.040319	0.001	1.329	mg/L
|	Zn	66	65922.491	0.186	0.040814	0.000	0.251	mg/L
|	Zn	68	48395.546	0.136	0.041173	0.001	1.470	mg/L
\>	Ge	72	353414.398	353414.398				mg/L
|	As	75	81507.369	0.230	0.040463	0.001	1.578	mg/L
|	Se	77	6332.871	0.017	0.039349	0.001	2.633	mg/L
⌊	Se	82	8611.949	0.024	0.040251	0.000	0.914	mg/L
⌈>	Rh	103	422711.246	422711.246				mg/L
|	Ag	107	448430.255	1.061	0.040247	0.000	0.784	mg/L
|	Cd	111	104842.004	0.248	0.040478	0.001	1.647	mg/L
⌊	Cd	114	244815.235	0.579	0.040745	0.000	0.751	mg/L
⌈	Tl	203	369429.399	0.894	0.040011	0.000	1.121	mg/L
|	Tl	205	899412.133	2.176	0.042665	0.001	1.907	mg/L
|	Pb	208	1211770.054	2.931	0.039908	0.000	1.102	mg/L
⌊>	Bi	209	413219.351	413219.351				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.092
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	95.444
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	95.138
|	Ag	106.905	

00959

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.238

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	508638 251	508638 251		mg/L
Be	9	12015 217	0 024	0 038928	mg/L
V	51	440841 933	1 231	0 039563	mg/L
Cr	52	397087 875	1 088	0 040809	mg/L
Cr	53	46681 666	0 129	0 040458	mg/L
Co	59	487842 417	1 374	0 040155	mg/L
Cu	63	240244 770	0 678	0 040508	mg/L
Cu	65	116341 982	0 327	0 040788	mg/L
Zn	66	66425 092	0 188	0 040831	mg/L
Zn	68	48257 950	0 135	0 040864	mg/L
Ge	72	355098 008	355098 008		mg/L
As	75	81707 242	0 229	0 040366	mg/L
Se	77	6184 747	0 017	0 038281	mg/L
Se	82	8571 629	0 024	0 039571	mg/L
Rh	103	425472 520	425472 520		mg/L
Ag	107	452681 672	1 064	0 040386	mg/L
Cd	111	106366 606	0 250	0 040800	mg/L
Cd	114	247266 776	0 581	0 040887	mg/L
Tl	203	387646 733	0 886	0 039843	mg/L
Tl	205	884080 823	2 130	0 041763	mg/L
Pb	208	1210846 384	2 817	0 039712	mg/L
Bi	209	414929 527	414929 527		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	509780 487	509780 487		mg/L
Be	9	12033 248	0 024	0 038998	mg/L
V	51	434263 888	1 233	0 039873	mg/L
Cr	52	391513 388	1 089	0 040911	mg/L
Cr	53	45419 400	0 126	0 040126	mg/L
Co	59	493870 074	1 413	0 041297	mg/L
Cu	63	235812 642	0 674	0 040426	mg/L
Cu	65	113436 783	0 324	0 040434	mg/L
Zn	66	65033 358	0 185	0 040742	mg/L
Zn	68	48634 486	0 138	0 041671	mg/L
Ge	72	349259 363	349259 363		mg/L
As	75	81910 320	0 234	0 041145	mg/L
Se	77	6268 812	0 017	0 039417	mg/L
Se	82	8586 084	0 025	0 040806	mg/L
Rh	103	422841 980	422841 980		mg/L
Ag	107	444588 658	1 051	0 039688	mg/L
Cd	111	102690 004	0 243	0 039712	mg/L
Cd	114	246140 318	0 582	0 040954	mg/L
Tl	203	374421 411	0 905	0 040510	mg/L
Tl	205	905091 218	2 188	0 042888	mg/L
Pb	208	1203698 844	2 909	0 039801	mg/L
Bi	209	413640 906	413640 906		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	509113 308	509113 308		mg/L
Be	9	11703 897	0 023	0 037880	mg/L
V	51	433298 902	1 207	0 038841	mg/L
Cr	52	391080 814	1 087	0 040081	mg/L
Cr	53	46204 418	0 128	0 040068	mg/L
Co	59	490687 238	1 378	0 040281	mg/L
Cu	63	235508 850	0 661	0 039821	mg/L
Cu	65	113584 257	0 319	0 039735	mg/L
Zn	66	66308 020	0 185	0 040768	mg/L
Zn	68	48294 194	0 134	0 040794	mg/L
Ge	72	355886 806	355886 806		mg/L
As	75	80904 548	0 227	0 039878	mg/L
Se	77	6535 063	0 018	0 040350	mg/L
Se	82	8676 134	0 024	0 040277	mg/L
Rh	103	419819 240	419819 240		mg/L
Ag	107	448010 038	1 067	0 040486	mg/L
Cd	111	105270 404	0 251	0 040923	mg/L
Cd	114	241036 812	0 574	0 040394	mg/L
Tl	203	366320 053	0 891	0 039879	mg/L
Tl	205	909084 358	2 211	0 043344	mg/L
Pb	208	1220767 153	2 968	0 040412	mg/L
Bi	209	411087 822	411087 822		mg/L

Sample ID: 0A28009-CCV
Report Date/Time: Thursday, January 28, 2010 10:06:47

00960

Sample Information

Sample ID: 0A28009-CCB
Autosampler Position: 1
Sample Date/Time: Thursday, January 28, 2010 10:08:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CCB.028
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	502577.848	502577.848				mg/L
⌊	Be	9	2.000	0.000	0.000002	0.000	244.428	mg/L
⌈	V	51	3978.895	0.001	0.000035	0.000	33.191	mg/L
|	Cr	52	12097.691	0.003	0.000105	0.000	13.507	mg/L
|	Cr	53	739.379	-0.000	-0.000009	0.000	179.440	mg/L
|	Co	59	107.669	-0.000	-0.000001	0.000	76.942	mg/L
|	Cu	63	281.342	0.000	0.000001	0.000	283.370	mg/L
|	Cu	65	143.670	0.000	0.000004	0.000	77.828	mg/L
|	Zn	66	262.007	-0.000	-0.000043	0.000	19.986	mg/L
|	Zn	68	426.017	-0.000	-0.000023	0.000	95.223	mg/L
|>	Ge	72	348468.366	348468.366				mg/L
|	As	75	437.247	0.000	0.000085	0.000	36.539	mg/L
|	Se	77	155.670	-0.000	-0.000048	0.000	264.209	mg/L
⌊	Se	82	3.230	0.000	0.000042	0.000	329.698	mg/L
⌈>	Rh	103	423537.879	423537.879				mg/L
|	Ag	107	264.008	0.001	0.000022	0.000	21.605	mg/L
|	Cd	111	12.121	0.000	0.000003	0.000	63.543	mg/L
⌊	Cd	114	27.451	0.000	0.000003	0.000	12.402	mg/L
⌈	Tl	203	81.335	0.000	0.000003	0.000	57.203	mg/L
|	Tl	205	205.005	0.000	0.000004	0.000	29.507	mg/L
|	Pb	208	827.026	0.001	0.000008	0.000	20.826	mg/L
⌊>	Bi	209	417193.417	417193.417				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.821
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	94.109
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	95.324
|	Ag	106.905	

00961

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.164

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	497475.575	497475.575		mg/L
Be	9	4.000	0.000	0.000009	mg/L
V	51	4026.356	0.001	0.000037	mg/L
Cr	52	12113.384	0.003	0.000087	mg/L
Cr	53	763.048	0.000	0.000008	mg/L
Co	59	101.002	0.000	-0.000001	mg/L
Cu	63	295.009	0.000	0.000003	mg/L
Cu	65	139.003	0.000	0.000002	mg/L
Zn	66	273.008	-0.000	-0.000038	mg/L
Zn	68	402.015	-0.000	-0.000047	mg/L
Ge	72	351017.514	351017.514		mg/L
As	75	430.143	0.000	0.000080	mg/L
Se	77	156.003	-0.000	-0.000080	mg/L
Se	82	7.282	0.000	0.000081	mg/L
Rh	103	425171.354	425171.354		mg/L
Ag	107	318.010	0.001	0.000027	mg/L
Cd	111	14.373	0.000	0.000004	mg/L
Cd	114	28.483	0.000	0.000003	mg/L
Tl	203	93.002	0.000	0.000004	mg/L
Tl	205	229.008	0.000	0.000005	mg/L
Pb	208	868.026	0.001	0.000010	mg/L
Bi	209	411817.948	411817.948		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	511683.588	511683.588		mg/L
Be	9	1.000	0.000	-0.000001	mg/L
V	51	4062.145	0.001	0.000046	mg/L
Cr	52	12238.800	0.003	0.000121	mg/L
Cr	53	123.044	-0.005	-0.000923	mg/L
Co	59	115.002	-0.000	-0.000000	mg/L
Cu	63	278.008	0.000	0.000000	mg/L
Cu	65	138.003	0.000	0.000002	mg/L
Zn	66	246.007	0.000	-0.000063	mg/L
Zn	68	426.017	-0.000	-0.000021	mg/L
Ge	72	348184.788	348184.788		mg/L
As	75	502.858	0.001	0.000119	mg/L
Se	77	137.003	-0.000	-0.000168	mg/L
Se	82	30.237	0.000	0.000171	mg/L
Rh	103	426688.972	426688.972		mg/L
Ag	107	266.008	0.001	0.000022	mg/L
Cd	111	15.803	0.000	0.000004	mg/L
Cd	114	30.300	0.000	0.000004	mg/L
Tl	203	84.001	0.000	0.000003	mg/L
Tl	205	192.008	0.000	0.000003	mg/L
Pb	208	792.024	0.000	0.000006	mg/L
Bi	209	423681.615	423681.615		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	498574.388	498574.388		mg/L
Be	9	1.000	0.000	0.000001	mg/L
V	51	3818.183	0.001	0.000023	mg/L
Cr	52	11940.081	0.003	0.000088	mg/L
Cr	53	732.048	0.000	0.000011	mg/L
Co	59	107.002	-0.000	-0.000001	mg/L
Cu	63	271.008	0.000	0.000001	mg/L
Cu	65	154.003	0.000	0.000009	mg/L
Zn	66	267.008	-0.000	0.000039	mg/L
Zn	68	447.018	-0.000	0.000003	mg/L
Ge	72	346202.814	346202.814		mg/L
As	75	378.740	0.000	0.000067	mg/L
Se	77	175.004	0.000	0.000084	mg/L
Se	82	27.829	0.000	0.000106	mg/L
Rh	103	418753.310	418753.310		mg/L
Ag	107	208.006	0.000	0.000017	mg/L
Cd	111	6.187	0.000	0.000001	mg/L
Cd	114	25.560	0.000	0.000003	mg/L
Tl	203	67.001	0.000	0.000001	mg/L
Tl	205	194.006	0.000	0.000003	mg/L
Pb	208	820.026	0.001	0.000008	mg/L
Bi	209	416080.690	416080.690		mg/L

Sample Information

Sample ID: 1000598-MSD1
Autosampler Position: 27
Sample Date/Time: Thursday, January 28, 2010 10:11:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1000598-MSD1.029
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	476284.987	476284.987				mg/L
⌊	Be	9	11081.700	0.023	0.038342	0.000	1.093	mg/L
⌈	V	51	805179.476	2.377	0.076464	0.001	1.794	mg/L
|	Cr	52	578234.083	1.682	0.063194	0.001	2.020	mg/L
|	Cr	53	68388.217	0.201	0.062935	0.002	2.540	mg/L
|	Co	59	583892.521	1.731	0.050583	0.001	1.628	mg/L
|	Cu	63	350049.100	1.037	0.062152	0.000	0.745	mg/L
|	Cu	65	168772.737	0.500	0.062304	0.000	0.781	mg/L
|	Zn	66	148055.848	0.438	0.096311	0.001	0.812	mg/L
|	Zn	68	105872.244	0.313	0.094864	0.001	1.360	mg/L
|>	Ge	72	337375.293	337375.293				mg/L
|	As	75	102090.038	0.302	0.053131	0.001	1.151	mg/L
|	Se	77	5524.858	0.016	0.035872	0.000	0.911	mg/L
⌊	Se	82	7346.743	0.022	0.035973	0.000	0.822	mg/L
⌈>	Rh	103	383333.830	383333.830				mg/L
|	Ag	107	394524.080	1.029	0.039055	0.001	1.686	mg/L
|	Cd	111	96821.057	0.253	0.041234	0.001	2.216	mg/L
⌊	Cd	114	222002.633	0.579	0.040759	0.001	2.447	mg/L
⌈	Tl	203	337307.683	0.931	0.041682	0.000	0.045	mg/L
|	Tl	205	807357.268	2.229	0.043696	0.001	2.122	mg/L
|	Pb	208	1403965.851	3.875	0.052762	0.000	0.918	mg/L
⌊>	Bi	209	362166.097	362166.097				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	91.755
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	91.113
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	86.276
|	Ag	106.905	

: 00963

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

84.348

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	470577.236	470577.236		mg/L
Be	9	11087.710	0.024	0.039626	mg/L
V	51	806812.603	2.410	0.077546	mg/L
Cr	52	584380.184	1.721	0.084652	mg/L
Cr	53	69317.408	0.206	0.084863	mg/L
Co	59	587816.749	1.763	0.081530	mg/L
Cu	63	348356.963	1.044	0.082563	mg/L
Cu	65	167971.723	0.503	0.082753	mg/L
Zn	66	147672.342	0.442	0.097213	mg/L
Zn	68	106242.342	0.317	0.098337	mg/L
Ge	72	333366.173	333366.173		mg/L
As	75	102222.858	0.306	0.053837	mg/L
Se	77	5818.184	0.016	0.038248	mg/L
Se	82	7307.707	0.022	0.038210	mg/L
Rh	103	374356.118	374356.118		mg/L
Ag	107	392873.081	1.049	0.039818	mg/L
Cd	111	98818.758	0.256	0.042252	mg/L
Cd	114	223003.081	0.596	0.041810	mg/L
Tl	203	338100.862	0.931	0.041660	mg/L
Tl	205	824607.875	2.284	0.044788	mg/L
Pb	208	1410807.353	3.906	0.053173	mg/L
Bi	209	361056.869	361056.869		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	478321.145	478321.145		mg/L
Be	9	11052.858	0.023	0.038076	mg/L
V	51	798995.705	2.329	0.074822	mg/L
Cr	52	575786.438	1.658	0.082278	mg/L
Cr	53	67383.011	0.196	0.081388	mg/L
Co	59	585132.170	1.717	0.080183	mg/L
Cu	63	350827.510	1.029	0.081670	mg/L
Cu	65	170854.222	0.500	0.082373	mg/L
Zn	66	146784.089	0.436	0.095819	mg/L
Zn	68	105886.301	0.309	0.093836	mg/L
Ge	72	340750.752	340750.752		mg/L
As	75	102428.581	0.300	0.052774	mg/L
Se	77	5556.215	0.016	0.035706	mg/L
Se	82	7352.252	0.022	0.035842	mg/L
Rh	103	385844.183	385844.183		mg/L
Ag	107	393296.410	1.019	0.038681	mg/L
Cd	111	96870.167	0.251	0.040963	mg/L
Cd	114	220486.216	0.571	0.040183	mg/L
Tl	203	337034.479	0.931	0.041589	mg/L
Tl	205	797824.908	2.204	0.043210	mg/L
Pb	208	1405872.477	3.884	0.052884	mg/L
Bi	209	361811.719	361811.719		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	479956.582	479956.582		mg/L
Be	9	11104.736	0.023	0.038125	mg/L
V	51	811630.118	2.361	0.076028	mg/L
Cr	52	574638.830	1.668	0.082864	mg/L
Cr	53	68464.231	0.200	0.082875	mg/L
Co	59	578728.644	1.712	0.080038	mg/L
Cu	63	350980.827	1.038	0.082184	mg/L
Cu	65	167992.269	0.496	0.081787	mg/L
Zn	66	147711.132	0.438	0.096800	mg/L
Zn	68	106475.089	0.311	0.094319	mg/L
Ge	72	338008.953	338008.953		mg/L
As	75	101618.869	0.300	0.052782	mg/L
Se	77	5504.175	0.016	0.035683	mg/L
Se	82	7380.270	0.022	0.036068	mg/L
Rh	103	389701.190	389701.190		mg/L
Ag	107	397403.738	1.020	0.038688	mg/L
Cd	111	98674.244	0.248	0.040466	mg/L
Cd	114	222518.622	0.571	0.040173	mg/L
Tl	203	338787.576	0.932	0.041696	mg/L
Tl	205	799839.218	2.199	0.043113	mg/L
Pb	208	1395417.695	3.838	0.052228	mg/L
Bi	209	363830.703	363830.703		mg/L

Sample Information

Sample ID: 0A28009-SRD1
Autosampler Position: 28
Sample Date/Time: Thursday, January 28, 2010 10:15:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-SRD1.030
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	504430.038	504430.038				mg/L
⌊	Be	9	32.334	0.000	0.000101	0.000	31.331	mg/L
⌈	V	51	78265.268	0.209	0.006716	0.000	1.155	mg/L
|	Cr	52	55644.471	0.124	0.004651	0.000	1.589	mg/L
|	Cr	53	5987.902	0.015	0.004584	0.000	0.832	mg/L
|	Co	59	35492.987	0.099	0.002894	0.000	0.946	mg/L
|	Cu	63	37938.534	0.105	0.006317	0.000	0.186	mg/L
|	Cu	65	18261.163	0.051	0.006323	0.000	1.071	mg/L
|	Zn	66	23139.319	0.064	0.014034	0.000	0.978	mg/L
|	Zn	68	16602.775	0.045	0.013709	0.000	1.695	mg/L
|>	Ge	72	357312.935	357312.935				mg/L
|	As	75	7777.499	0.021	0.003696	0.000	1.541	mg/L
|	Se	77	190.004	0.000	0.000144	0.000	15.202	mg/L
⌊	Se	82	2.042	0.000	0.000036	0.000	419.605	mg/L
⌈>	Rh	103	420018.762	420018.762				mg/L
|	Ag	107	523.691	0.001	0.000046	0.000	5.953	mg/L
|	Cd	111	395.314	0.001	0.000152	0.000	10.592	mg/L
⌊	Cd	114	284.391	0.001	0.000046	0.000	6.178	mg/L
⌈	Tl	203	669.372	0.002	0.000069	0.000	8.592	mg/L
|	Tl	205	1627.202	0.004	0.000074	0.000	3.247	mg/L
|	Pb	208	76660.620	0.191	0.002599	0.000	0.428	mg/L
⌊>	Bi	209	398662.306	398662.306				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.177
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.497
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	94.532
|	Ag	106.905	

: 00965

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

92.848

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	509188.934	509188.934		mg/L
Be	9	24.000	0.000	0.000073	mg/L
V	51	77744.098	0.207	0.006866	mg/L
Cr	52	54980.335	0.122	0.004378	mg/L
Cr	53	6033.608	0.015	0.004621	mg/L
Co	59	35228.008	0.098	0.002871	mg/L
Cu	63	38000.192	0.108	0.006324	mg/L
Cu	65	18081.036	0.050	0.006257	mg/L
Zn	66	22904.884	0.063	0.013882	mg/L
Zn	68	16415.004	0.046	0.013842	mg/L
Ge	72	357492.127	357492.127		mg/L
As	75	7672.062	0.021	0.003842	mg/L
Se	77	191.004	0.000	0.000149	mg/L
Se	82	-15.923	0.000	-0.000046	mg/L
Rh	103	425457.673	425457.673		mg/L
Ag	107	563.028	0.001	0.000049	mg/L
Cd	111	423.040	0.001	0.000161	mg/L
Cd	114	294.100	0.001	0.000047	mg/L
Tl	203	873.038	0.002	0.000088	mg/L
Tl	205	1614.198	0.004	0.000072	mg/L
Pb	208	77689.034	0.181	0.002801	mg/L
Bi	209	403637.154	403637.154		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	505357.094	505357.094		mg/L
Be	9	43.001	0.000	0.000138	mg/L
V	51	78175.690	0.208	0.006877	mg/L
Cr	52	55887.186	0.124	0.004449	mg/L
Cr	53	5998.563	0.014	0.004548	mg/L
Co	59	35661.668	0.099	0.002887	mg/L
Cu	63	38140.840	0.108	0.006323	mg/L
Cu	65	18331.678	0.051	0.006320	mg/L
Zn	66	23298.167	0.064	0.014068	mg/L
Zn	68	16558.338	0.046	0.013811	mg/L
Ge	72	358862.349	358862.349		mg/L
As	75	7800.049	0.021	0.003690	mg/L
Se	77	187.004	0.000	0.000119	mg/L
Se	82	40.120	0.000	0.000212	mg/L
Rh	103	424144.939	424144.939		mg/L
Ag	107	523.024	0.001	0.000045	mg/L
Cd	111	423.807	0.001	0.000162	mg/L
Cd	114	267.980	0.001	0.000043	mg/L
Tl	203	818.033	0.001	0.000083	mg/L
Tl	205	1601.195	0.004	0.000073	mg/L
Pb	208	78782.762	0.192	0.002809	mg/L
Bi	209	397832.667	397832.667		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	498788.088	498788.088		mg/L
Be	9	30.000	0.000	0.000096	mg/L
V	51	78878.016	0.212	0.006805	mg/L
Cr	52	56085.881	0.126	0.004726	mg/L
Cr	53	5960.548	0.015	0.004586	mg/L
Co	59	35689.296	0.100	0.002924	mg/L
Cu	63	37674.470	0.105	0.006303	mg/L
Cu	65	18370.777	0.051	0.006362	mg/L
Zn	66	23214.698	0.064	0.014150	mg/L
Zn	68	16833.982	0.046	0.013975	mg/L
Ge	72	355584.330	355584.330		mg/L
As	75	7880.387	0.021	0.003758	mg/L
Se	77	192.008	0.000	0.000162	mg/L
Se	82	-18.072	-0.000	-0.000067	mg/L
Rh	103	410453.673	410453.673		mg/L
Ag	107	485.021	0.001	0.000043	mg/L
Cd	111	339.095	0.001	0.000133	mg/L
Cd	114	291.114	0.001	0.000048	mg/L
Tl	203	717.043	0.002	0.000075	mg/L
Tl	205	1666.211	0.004	0.000077	mg/L
Pb	208	75510.064	0.190	0.002587	mg/L
Bi	209	394517.107	394517.107		mg/L

: 00966

Sample Information

Sample ID: 1000598-PS1
Autosampler Position: 29
Sample Date/Time: Thursday, January 28, 2010 10:18:34
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1000598-PS1.031
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	479780.995	479780.995				mg/L
⌊	Be	9	5382.748	0.011	0.018487	0.000	1.358	mg/L
⌈	V	51	565543.609	1.623	0.052211	0.001	1.320	mg/L
|	Cr	52	398440.392	1.119	0.042020	0.000	0.771	mg/L
|	Cr	53	46699.632	0.133	0.041635	0.000	1.019	mg/L
|	Co	59	386724.526	1.116	0.032634	0.001	2.021	mg/L
|	Cu	63	271542.175	0.783	0.046959	0.001	1.707	mg/L
|	Cu	65	131966.214	0.381	0.047450	0.001	1.263	mg/L
|	Zn	66	127363.084	0.367	0.080677	0.001	0.958	mg/L
|	Zn	68	90880.073	0.261	0.079260	0.001	1.038	mg/L
|>	Ge	72	346314.832	346314.832				mg/L
|	As	75	71202.661	0.205	0.036053	0.000	0.315	mg/L
|	Se	77	2975.650	0.008	0.018318	0.000	2.491	mg/L
⌊	Se	82	3724.937	0.011	0.017780	0.000	1.258	mg/L
⌈>	Rh	103	390487.377	390487.377				mg/L
|	Ag	107	198289.265	0.508	0.019265	0.000	0.735	mg/L
|	Cd	111	48744.577	0.125	0.020374	0.000	1.987	mg/L
⌊	Cd	114	110110.964	0.282	0.019838	0.000	0.446	mg/L
⌈	Tl	203	170162.776	0.464	0.020761	0.001	2.697	mg/L
|	Tl	205	405543.335	1.105	0.021670	0.001	2.565	mg/L
|	Pb	208	877014.178	2.389	0.032533	0.000	1.340	mg/L
⌊>	Bi	209	366882.422	366882.422				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	92.429
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	93.527
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	87.886
|	Ag	106.905	

00967

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

85.447

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	485644.442	485644.442		mg/L
Be	9	5388.086	0.011	0.018280	mg/L
V	51	558918.307	1.598	0.061418	mg/L
Cr	52	390815.688	1.110	0.041710	mg/L
Cr	53	46397.867	0.131	0.041217	mg/L
Co	59	389948.027	1.122	0.032781	mg/L
Cu	63	273442.331	0.788	0.047123	mg/L
Cu	65	131664.714	0.379	0.047178	mg/L
Zn	66	126825.780	0.363	0.079833	mg/L
Zn	68	90008.178	0.258	0.079486	mg/L
Ge	72	347488.083	347488.083		mg/L
As	75	71696.921	0.206	0.036181	mg/L
Se	77	2924.628	0.008	0.017922	mg/L
Se	82	3701.708	0.011	0.017811	mg/L
Rh	103	394823.356	394823.356		mg/L
Ag	107	198869.103	0.504	0.019107	mg/L
Cd	111	48251.881	0.122	0.019944	mg/L
Cd	114	111022.875	0.281	0.019783	mg/L
Tl	203	166738.488	0.460	0.020130	mg/L
Tl	205	402677.172	1.073	0.021040	mg/L
Pb	208	583670.024	2.356	0.032067	mg/L
Bi	209	375083.851	375083.851		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	480464.058	480464.058		mg/L
Be	9	5370.072	0.011	0.018416	mg/L
V	51	573230.868	1.633	0.052561	mg/L
Cr	52	404384.629	1.129	0.042258	mg/L
Cr	53	47016.701	0.133	0.041622	mg/L
Co	59	380858.778	1.092	0.031910	mg/L
Cu	63	268418.821	0.769	0.046089	mg/L
Cu	65	131747.218	0.377	0.047035	mg/L
Zn	66	128180.153	0.367	0.080621	mg/L
Zn	68	91423.263	0.261	0.079171	mg/L
Ge	72	348758.788	348758.788		mg/L
As	75	71526.668	0.204	0.035963	mg/L
Se	77	3073.692	0.008	0.018817	mg/L
Se	82	3804.629	0.011	0.018034	mg/L
Rh	103	398298.703	398298.703		mg/L
Ag	107	197809.109	0.500	0.019306	mg/L
Cd	111	46606.831	0.129	0.020430	mg/L
Cd	114	109238.748	0.281	0.019782	mg/L
Tl	203	171305.543	0.474	0.021198	mg/L
Tl	205	407550.273	1.127	0.022088	mg/L
Pb	208	874661.724	2.417	0.032913	mg/L
Bi	209	361603.563	361603.563		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	473234.488	473234.488		mg/L
Be	9	5390.087	0.011	0.018788	mg/L
V	51	564484.856	1.637	0.052666	mg/L
Cr	52	394040.884	1.118	0.041886	mg/L
Cr	53	46684.530	0.134	0.042086	mg/L
Co	59	389368.774	1.126	0.033201	mg/L
Cu	63	272768.273	0.796	0.047866	mg/L
Cu	65	132488.713	0.380	0.048137	mg/L
Zn	66	127283.319	0.370	0.081476	mg/L
Zn	68	90910.778	0.264	0.080124	mg/L
Ge	72	342698.627	342698.627		mg/L
As	75	70386.498	0.205	0.036016	mg/L
Se	77	2928.630	0.008	0.018214	mg/L
Se	82	3868.474	0.011	0.017687	mg/L
Rh	103	388342.073	388342.073		mg/L
Ag	107	198398.582	0.511	0.019381	mg/L
Cd	111	49373.036	0.127	0.020748	mg/L
Cd	114	110071.268	0.283	0.019941	mg/L
Tl	203	170444.298	0.448	0.020868	mg/L
Tl	205	408402.561	1.116	0.021863	mg/L
Pb	208	872710.764	2.398	0.032627	mg/L
Bi	209	363958.851	363958.851		mg/L

Sample Information

Sample ID: 1001286-08
Autosampler Position: 30
Sample Date/Time: Thursday, January 28, 2010 10:21:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-08.032
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	499182.812	499182.812				mg/L
	Be	9	1225.784	0.002	0.004044	0.000	3.079	mg/L
	V	51	295708.633	0.827	0.026603	0.000	1.813	mg/L
	Cr	52	109289.943	0.277	0.010423	0.000	2.019	mg/L
	Cr	53	12294.700	0.033	0.010244	0.000	1.969	mg/L
	Co	59	85344.688	0.241	0.007052	0.000	1.020	mg/L
	Cu	63	181842.898	0.514	0.030814	0.001	2.473	mg/L
	Cu	65	87861.006	0.248	0.030958	0.001	2.778	mg/L
	Zn	66	73449.131	0.207	0.045521	0.001	1.783	mg/L
	Zn	68	74681.808	0.210	0.063782	0.001	2.169	mg/L
>	Ge	72	353281.289	353281.289				mg/L
	As	75	51100.139	0.144	0.025327	0.000	1.152	mg/L
	Se	77	348.012	0.001	0.001167	0.000	16.809	mg/L
	Se	82	142.766	0.000	0.000696	0.000	29.149	mg/L
>	Rh	103	415245.597	415245.597				mg/L
	Ag	107	1043.754	0.002	0.000094	0.000	11.088	mg/L
	Cd	111	2121.519	0.005	0.000832	0.000	4.870	mg/L
	Cd	114	2154.142	0.005	0.000363	0.000	2.259	mg/L
	Tl	203	2942.636	0.007	0.000316	0.000	1.430	mg/L
	Tl	205	7127.960	0.017	0.000336	0.000	0.586	mg/L
	Pb	208	3852558.951	9.425	0.128316	0.001	0.751	mg/L
>	Bi	209	408737.232	408737.232				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.167
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	95.408
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	93.458
	Ag	106.905	

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	95.195

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	505630.762	505630.762		mg/L
Be	9	1208.114	0.002	0.003937	mg/L
V	51	297520.509	0.828	0.029847	mg/L
Cr	52	107715.170	0.272	0.010206	mg/L
Cr	53	12608.240	0.033	0.010473	mg/L
Co	59	85614.888	0.241	0.007043	mg/L
Cu	63	182543.933	0.514	0.030793	mg/L
Cu	65	88081.757	0.248	0.030997	mg/L
Zn	66	74386.063	0.206	0.045896	mg/L
Zn	68	74584.220	0.209	0.083417	mg/L
Ge	72	354810.218	354810.218		mg/L
As	75	51082.046	0.143	0.026198	mg/L
Se	77	362.013	0.001	0.001246	mg/L
Se	82	106.648	0.000	0.000523	mg/L
Rh	103	416736.249	416736.249		mg/L
Ag	107	1179.108	0.003	0.000106	mg/L
Cd	111	2245.808	0.006	0.000878	mg/L
Cd	114	2200.389	0.006	0.000370	mg/L
Tl	203	3033.674	0.007	0.000321	mg/L
Tl	205	7207.707	0.017	0.000338	mg/L
Pb	208	3891428.344	9.381	0.127725	mg/L
Bi	209	414749.509	414749.509		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	492694.817	492694.817		mg/L
Be	9	1251.122	0.003	0.004181	mg/L
V	51	295923.736	0.841	0.027082	mg/L
Cr	52	106398.481	0.283	0.010625	mg/L
Cr	53	11926.070	0.032	0.010093	mg/L
Co	59	84875.107	0.244	0.007128	mg/L
Cu	63	183418.933	0.527	0.031587	mg/L
Cu	65	88038.158	0.256	0.031847	mg/L
Zn	66	73148.337	0.210	0.046076	mg/L
Zn	68	75237.925	0.218	0.086311	mg/L
Ge	72	347567.284	347567.284		mg/L
As	75	50937.815	0.148	0.025681	mg/L
Se	77	365.013	0.001	0.001313	mg/L
Se	82	187.881	0.001	0.000919	mg/L
Rh	103	419488.637	419488.637		mg/L
Ag	107	984.078	0.002	0.000087	mg/L
Cd	111	2104.758	0.006	0.000817	mg/L
Cd	114	2191.558	0.006	0.000368	mg/L
Tl	203	2890.814	0.007	0.000314	mg/L
Tl	205	7098.594	0.017	0.000336	mg/L
Pb	208	3843334.297	9.506	0.129428	mg/L
Bi	209	404235.620	404235.620		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	498323.057	498323.057		mg/L
Be	9	1217.116	0.002	0.004013	mg/L
V	51	293682.658	0.811	0.026101	mg/L
Cr	52	110756.178	0.278	0.010440	mg/L
Cr	53	12348.790	0.032	0.010166	mg/L
Co	59	85546.070	0.239	0.006985	mg/L
Cu	63	179565.827	0.502	0.030083	mg/L
Cu	65	86563.103	0.242	0.030130	mg/L
Zn	66	72617.004	0.203	0.044590	mg/L
Zn	68	74213.279	0.208	0.082618	mg/L
Ge	72	357476.366	357476.366		mg/L
As	75	51300.556	0.143	0.025124	mg/L
Se	77	317.010	0.000	0.000944	mg/L
Se	82	133.798	0.000	0.000645	mg/L
Rh	103	409612.905	409612.905		mg/L
Ag	107	968.075	0.002	0.000088	mg/L
Cd	111	2013.992	0.006	0.000801	mg/L
Cd	114	2070.481	0.006	0.000364	mg/L
Tl	203	2903.619	0.007	0.000313	mg/L
Tl	205	7079.577	0.017	0.000336	mg/L
Pb	208	3822914.213	9.386	0.127794	mg/L
Bi	209	407226.568	407226.568		mg/L

: 00970

Sample Information

Sample ID: 1001286-09
Autosampler Position: 31
Sample Date/Time: Thursday, January 28, 2010 10:25:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-09.033
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	506273.360	506273.360				mg/L
	Be	9	1355.809	0.003	0.004410	0.000	3.643	mg/L
	V	51	376053.568	1.048	0.033714	0.001	1.952	mg/L
	Cr	52	111359.558	0.281	0.010573	0.000	2.302	mg/L
	Cr	53	12599.563	0.033	0.010449	0.000	1.650	mg/L
	Co	59	97621.950	0.274	0.008019	0.000	1.445	mg/L
	Cu	63	216213.848	0.608	0.036421	0.000	1.177	mg/L
	Cu	65	104100.824	0.293	0.036463	0.001	1.412	mg/L
	Zn	66	76448.401	0.214	0.047101	0.001	1.567	mg/L
	Zn	68	81875.115	0.229	0.069529	0.001	0.994	mg/L
>	Ge	72	355398.365	355398.365				mg/L
	As	75	58383.692	0.164	0.028780	0.000	0.860	mg/L
	Se	77	407.016	0.001	0.001527	0.000	5.191	mg/L
	Se	82	207.009	0.001	0.000989	0.000	2.191	mg/L
>	Rh	103	417207.046	417207.046				mg/L
	Ag	107	979.744	0.002	0.000088	0.000	1.732	mg/L
	Cd	111	2422.791	0.006	0.000946	0.000	0.370	mg/L
	Cd	114	2490.802	0.006	0.000419	0.000	1.441	mg/L
	Tl	203	3463.207	0.008	0.000375	0.000	2.246	mg/L
	Tl	205	8390.009	0.020	0.000398	0.000	3.170	mg/L
	Pb	208	4954211.956	12.168	0.165667	0.004	2.298	mg/L
>	Bi	209	407256.725	407256.725				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.533
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	95.980
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	93.899
	Ag	106.905	

: 00971

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	94.850

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	506180.084	506180.084		mg/L
Be	9	1403.152	0.003	0.004864	mg/L
V	51	369167.600	1.026	0.033014	mg/L
Cr	52	111041.561	0.260	0.010512	mg/L
Cr	53	12750.498	0.034	0.010567	mg/L
Co	59	98248.078	0.270	0.007888	mg/L
Cu	63	213992.289	0.600	0.035868	mg/L
Cu	65	103884.281	0.291	0.036237	mg/L
Zn	66	75308.866	0.210	0.046288	mg/L
Zn	68	81283.684	0.227	0.068870	mg/L
Ge	72	358194.648	358194.648		mg/L
As	75	57946.564	0.162	0.028488	mg/L
Se	77	414.016	0.001	0.001568	mg/L
Se	82	202.657	0.001	0.000986	mg/L
Rh	103	414544.081	414544.081		mg/L
Ag	107	987.078	0.002	0.000089	mg/L
Cd	111	2417.535	0.006	0.000860	mg/L
Cd	114	2442.341	0.006	0.000413	mg/L
Tl	203	3485.886	0.008	0.000370	mg/L
Tl	205	8438.088	0.020	0.000883	mg/L
Pb	208	4864988.982	11.974	0.163029	mg/L
Bi	209	414581.731	414581.731		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	517216.617	517216.617		mg/L
Be	9	1333.138	0.003	0.004243	mg/L
V	51	379847.408	1.087	0.034320	mg/L
Cr	52	112979.818	0.289	0.010841	mg/L
Cr	53	12600.230	0.034	0.010540	mg/L
Co	59	97908.402	0.277	0.008109	mg/L
Cu	63	214798.918	0.609	0.038479	mg/L
Cu	65	104926.086	0.297	0.037062	mg/L
Zn	66	76839.868	0.217	0.047732	mg/L
Zn	68	81137.029	0.229	0.069488	mg/L
Ge	72	352503.070	352503.070		mg/L
As	75	58096.034	0.164	0.028873	mg/L
Se	77	412.018	0.001	0.001560	mg/L
Se	82	208.790	0.001	0.001010	mg/L
Rh	103	416483.038	416483.038		mg/L
Ag	107	983.077	0.002	0.000088	mg/L
Cd	111	2412.150	0.006	0.000844	mg/L
Cd	114	2524.419	0.006	0.000429	mg/L
Tl	203	3448.867	0.008	0.000369	mg/L
Tl	205	8278.878	0.020	0.000389	mg/L
Pb	208	4951082.208	12.041	0.163939	mg/L
Bi	209	411135.250	411135.250		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	498413.387	498413.387		mg/L
Be	9	1331.137	0.003	0.004424	mg/L
V	51	379345.668	1.051	0.033808	mg/L
Cr	52	110067.498	0.278	0.010386	mg/L
Cr	53	12447.982	0.033	0.010250	mg/L
Co	59	98711.375	0.278	0.008081	mg/L
Cu	63	219852.338	0.614	0.038817	mg/L
Cu	65	103662.108	0.290	0.036100	mg/L
Zn	66	77196.879	0.215	0.047281	mg/L
Zn	68	83204.632	0.231	0.070248	mg/L
Ge	72	357497.380	357497.380		mg/L
As	75	59109.448	0.165	0.029387	mg/L
Se	77	396.015	0.001	0.001436	mg/L
Se	82	208.579	0.001	0.000990	mg/L
Rh	103	420614.019	420614.019		mg/L
Ag	107	969.075	0.002	0.000086	mg/L
Cd	111	2438.586	0.006	0.000845	mg/L
Cd	114	2506.647	0.006	0.000418	mg/L
Tl	203	3454.870	0.008	0.000364	mg/L
Tl	205	8453.083	0.021	0.000412	mg/L
Pb	208	4948556.621	12.489	0.170032	mg/L
Bi	209	396043.194	396043.194		mg/L

00972

Sample Information

Sample ID: 1001286-10
Autosampler Position: 32
Sample Date/Time: Thursday, January 28, 2010 10:28:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-10.034
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	490235.790	490235.790				mg/L
⌊	Be	9	986.411	0.002	0.003312	0.000	1.170	mg/L
⌈	V	51	304551.317	0.836	0.026911	0.000	0.441	mg/L
|	Cr	52	161526.287	0.417	0.015674	0.000	2.095	mg/L
⌋	Cr	53	18425.253	0.049	0.015399	0.000	0.758	mg/L
|	Co	59	65510.082	0.182	0.005315	0.000	2.116	mg/L
|	Cu	63	175713.280	0.488	0.029235	0.000	1.322	mg/L
⌋	Cu	65	84927.806	0.236	0.029383	0.000	0.466	mg/L
⌋	Zn	66	24277.097	0.067	0.014637	0.000	0.544	mg/L
⌋	Zn	68	25493.002	0.070	0.021120	0.000	0.765	mg/L
|>	Ge	72	359671.108	359671.108				mg/L
|	As	75	19975.921	0.055	0.009640	0.000	0.644	mg/L
|	Se	77	400.682	0.001	0.001456	0.000	6.996	mg/L
⌊	Se	82	243.775	0.001	0.001145	0.000	10.983	mg/L
⌈>	Rh	103	423948.285	423948.285				mg/L
⌋	Ag	107	678.039	0.002	0.000059	0.000	2.242	mg/L
⌋	Cd	111	1232.098	0.003	0.000473	0.000	2.325	mg/L
⌊	Cd	114	412.967	0.001	0.000067	0.000	2.503	mg/L
⌈	Tl	203	2523.471	0.006	0.000278	0.000	4.681	mg/L
|	Tl	205	6193.748	0.015	0.000300	0.000	3.573	mg/L
|	Pb	208	929750.426	2.337	0.031822	0.000	1.499	mg/L
⌊>	Bi	209	397577.691	397577.691				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.443
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
⌋	Co	58.933	
⌋	Cu	62.930	
⌋	Cu	64.928	
⌋	Zn	65.926	
⌋	Zn	67.925	
|>	Ge	71.922	97.134
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	95.417
⌋	Ag	106.905	

: 00973

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

92.596

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	493090 583	493090 583		mg/L
Be	9	979 077	0 002	0 003268	mg/L
V	51	309843 544	0 838	0 026870	mg/L
Cr	52	160368 873	0 405	0 015310	mg/L
Cr	53	18606 388	0 049	0 015324	mg/L
Co	59	65612 627	0 178	0 005246	mg/L
Cu	63	180721 441	0 494	0 029841	mg/L
Cu	65	86125 982	0 236	0 029370	mg/L
Zn	66	24461 125	0 066	0 014546	mg/L
Zn	68	25898 402	0 069	0 020881	mg/L
Ge	72	364899 002	364899 002		mg/L
As	75	20275 235	0 056	0 009845	mg/L
Se	77	420 017	0 001	0 001540	mg/L
Se	82	266 710	0 001	0 001234	mg/L
Rh	103	439644 500	439644 500		mg/L
Ag	107	690 040	0 002	0 000068	mg/L
Cd	111	1298 260	0 003	0 000484	mg/L
Cd	114	418 358	0 001	0 000068	mg/L
Tl	203	2542 478	0 006	0 000280	mg/L
Tl	205	6370 904	0 015	0 000309	mg/L
Pb	208	918027 788	2 311	0 031468	mg/L
Bi	209	397077 311	397077 311		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	484531 534	484531 534		mg/L
Be	9	978 077	0 002	0 003328	mg/L
V	51	301029 791	0 832	0 026774	mg/L
Cr	52	163108 928	0 429	0 015849	mg/L
Cr	53	18458 002	0 050	0 015533	mg/L
Co	59	64339 108	0 180	0 005253	mg/L
Cu	63	172377 894	0 482	0 028871	mg/L
Cu	65	82997 843	0 236	0 028253	mg/L
Zn	66	24169 063	0 067	0 014867	mg/L
Zn	68	25535 819	0 070	0 021297	mg/L
Ge	72	357310 380	357310 380		mg/L
As	75	19966 021	0 056	0 009700	mg/L
Se	77	360 014	0 001	0 001343	mg/L
Se	82	254 080	0 001	0 001201	mg/L
Rh	103	416882 354	416882 354		mg/L
Ag	107	658 037	0 002	0 000056	mg/L
Cd	111	1210 529	0 003	0 000472	mg/L
Cd	114	417 508	0 001	0 000069	mg/L
Tl	203	2424 438	0 006	0 000284	mg/L
Tl	205	6017 594	0 015	0 000288	mg/L
Pb	208	934307 706	2 324	0 031646	mg/L
Bi	209	401723 657	401723 657		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	493086 242	493086 242		mg/L
Be	9	1001 080	0 002	0 003343	mg/L
V	51	302980 816	0 839	0 026986	mg/L
Cr	52	161100 080	0 420	0 015782	mg/L
Cr	53	18211 368	0 049	0 015339	mg/L
Co	59	66578 812	0 186	0 005444	mg/L
Cu	63	174040 508	0 487	0 029192	mg/L
Cu	65	84656 583	0 237	0 029526	mg/L
Zn	66	24181 103	0 067	0 014696	mg/L
Zn	68	25244 784	0 069	0 021080	mg/L
Ge	72	356803 980	356803 980		mg/L
As	75	19686 507	0 054	0 009578	mg/L
Se	77	402 015	0 001	0 001485	mg/L
Se	82	210 536	0 001	0 001001	mg/L
Rh	103	418338 000	418338 000		mg/L
Ag	107	586 040	0 002	0 000061	mg/L
Cd	111	1187 508	0 003	0 000462	mg/L
Cd	114	402 948	0 001	0 000066	mg/L
Tl	203	2603 500	0 006	0 000290	mg/L
Tl	205	6182 748	0 015	0 000302	mg/L
Pb	208	936915 806	2 377	0 032362	mg/L
Bi	209	393932 103	393932 103		mg/L

: 00974

Sample Information

Sample ID: 1001286-11
Autosampler Position: 33
Sample Date/Time: Thursday, January 28, 2010 10:32:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-11.035
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	488401.318	488401.318				mg/L
[	Be	9	214.339	0.000	0.000720	0.000	14.361	mg/L
[	V	51	345313.033	0.922	0.029650	0.000	0.858	mg/L
[	Cr	52	201527.472	0.512	0.019231	0.000	1.025	mg/L
[	Cr	53	23621.912	0.062	0.019324	0.000	1.864	mg/L
[	Co	59	127625.428	0.344	0.010058	0.000	1.558	mg/L
[	Cu	63	110200.360	0.297	0.017779	0.000	0.276	mg/L
[	Cu	65	53668.418	0.144	0.018004	0.000	0.687	mg/L
[	Zn	66	104450.566	0.281	0.061784	0.001	1.246	mg/L
[	Zn	68	82360.607	0.221	0.067066	0.000	0.595	mg/L
[>	Ge	72	370566.529	370566.529				mg/L
[	As	75	45592.392	0.122	0.021520	0.000	0.595	mg/L
[	Se	77	381.347	0.001	0.001264	0.000	8.877	mg/L
[	Se	82	127.137	0.000	0.000593	0.000	16.077	mg/L
[>	Rh	103	421817.165	421817.165				mg/L
[	Ag	107	1373.479	0.003	0.000122	0.000	1.399	mg/L
[	Cd	111	2374.039	0.006	0.000917	0.000	3.213	mg/L
[	Cd	114	2714.119	0.006	0.000451	0.000	2.622	mg/L
[	Tl	203	2224.035	0.005	0.000244	0.000	1.346	mg/L
[	Tl	205	5353.059	0.013	0.000258	0.000	1.206	mg/L
[	Pb	208	971093.293	2.440	0.033225	0.000	0.549	mg/L
[>	Bi	209	397717.509	397717.509				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	94.090
[	Be	9.012	
[	V	50.944	
[	Cr	51.941	
[	Cr	52.941	
[	Co	58.933	
[	Cu	62.930	
[	Cu	64.928	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	100.077
[	As	74.922	
[	Se	76.920	
[	Se	81.917	
[>	Rh	102.905	94.937
[	Ag	106.905	

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	92.628

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	488628.132	488628.133		mg/L
Be	9	236.008	0.000	0.000786	mg/L
V	51	341808.574	0.914	0.029422	mg/L
Cr	52	203119.544	0.518	0.019446	mg/L
Cr	53	23713.535	0.062	0.019458	mg/L
Co	59	129056.736	0.349	0.010196	mg/L
Cu	63	109871.629	0.296	0.017739	mg/L
Cu	65	53814.496	0.145	0.018100	mg/L
Zn	66	105875.558	0.289	0.062810	mg/L
Zn	68	81746.831	0.220	0.066736	mg/L
Ge	72	369814.458	369814.458		mg/L
As	75	45733.735	0.123	0.021843	mg/L
Se	77	374.014	0.001	0.001228	mg/L
Se	82	137.776	0.000	0.000842	mg/L
Rh	103	421161.938	421161.938		mg/L
Ag	107	1367.144	0.003	0.000122	mg/L
Cd	111	2418.597	0.006	0.000636	mg/L
Cd	114	2743.188	0.006	0.000487	mg/L
Tl	203	2235.372	0.006	0.000247	mg/L
Tl	205	5326.036	0.013	0.000258	mg/L
Pb	208	984815.046	2.439	0.033204	mg/L
Bi	209	395388.384	395388.384		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	494880.268	494880.268		mg/L
Be	9	182.004	0.000	0.000602	mg/L
V	51	347343.758	0.920	0.029804	mg/L
Cr	52	201294.980	0.507	0.019087	mg/L
Cr	53	24124.813	0.062	0.019801	mg/L
Co	59	126407.971	0.338	0.009888	mg/L
Cu	63	110924.788	0.298	0.017764	mg/L
Cu	65	54198.370	0.146	0.018047	mg/L
Zn	66	104048.378	0.279	0.061688	mg/L
Zn	68	82834.362	0.221	0.066964	mg/L
Ge	72	373313.616	373313.616		mg/L
As	75	45949.260	0.122	0.021529	mg/L
Se	77	405.016	0.001	0.001361	mg/L
Se	82	141.737	0.000	0.000864	mg/L
Rh	103	424248.846	424248.846		mg/L
Ag	107	1402.152	0.003	0.000124	mg/L
Cd	111	2299.684	0.006	0.000883	mg/L
Cd	114	2777.804	0.007	0.000459	mg/L
Tl	203	2249.377	0.006	0.000245	mg/L
Tl	205	5456.138	0.013	0.000261	mg/L
Pb	208	973707.778	2.428	0.033054	mg/L
Bi	209	400843.194	400843.194		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	483725.566	483725.566		mg/L
Be	9	225.008	0.000	0.000762	mg/L
V	51	346788.767	0.930	0.029924	mg/L
Cr	52	200187.922	0.511	0.019191	mg/L
Cr	53	23027.289	0.060	0.018917	mg/L
Co	59	127411.577	0.346	0.010089	mg/L
Cu	63	110004.691	0.298	0.017834	mg/L
Cu	65	52994.390	0.143	0.017864	mg/L
Zn	66	103727.762	0.280	0.061653	mg/L
Zn	68	82500.528	0.222	0.067509	mg/L
Ge	72	368771.513	368771.513		mg/L
As	75	45094.180	0.122	0.021388	mg/L
Se	77	365.013	0.001	0.001176	mg/L
Se	82	101.898	0.000	0.000483	mg/L
Rh	103	420040.710	420040.710		mg/L
Ag	107	1351.141	0.003	0.000120	mg/L
Cd	111	2403.865	0.006	0.000832	mg/L
Cd	114	2821.386	0.006	0.000438	mg/L
Tl	203	2187.357	0.006	0.000240	mg/L
Tl	205	5277.001	0.013	0.000256	mg/L
Pb	208	974757.056	2.454	0.033417	mg/L
Bi	209	398920.970	398920.970		mg/L

: 00976

Sample Information

Sample ID: 1001286-12
Autosampler Position: 34
Sample Date/Time: Thursday, January 28, 2010 10:35:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-12.036
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	480548.524	480548.524				mg/L
	Be	9	53.667	0.000	0.000180	0.000	6.111	mg/L
	V	51	187967.905	0.521	0.016778	0.000	1.897	mg/L
	Cr	52	118598.406	0.304	0.011406	0.000	1.833	mg/L
	Cr	53	13638.813	0.036	0.011432	0.000	1.123	mg/L
	Co	59	54037.226	0.153	0.004458	0.000	1.424	mg/L
	Cu	63	48606.976	0.137	0.008195	0.000	0.392	mg/L
	Cu	65	24842.709	0.070	0.008713	0.000	1.386	mg/L
	Zn	66	44193.747	0.124	0.027287	0.000	0.509	mg/L
	Zn	68	31525.068	0.088	0.026676	0.000	1.193	mg/L
>	Ge	72	353475.313	353475.313				mg/L
	As	75	11295.154	0.031	0.005488	0.000	2.158	mg/L
	Se	77	262.341	0.000	0.000618	0.000	26.129	mg/L
	Se	82	42.242	0.000	0.000224	0.000	50.675	mg/L
>	Rh	103	408256.654	408256.654				mg/L
	Ag	107	489.355	0.001	0.000044	0.000	7.604	mg/L
	Cd	111	931.722	0.002	0.000371	0.000	4.589	mg/L
	Cd	114	386.267	0.001	0.000065	0.000	1.986	mg/L
	Tl	203	805.053	0.002	0.000090	0.000	4.667	mg/L
	Tl	205	1888.935	0.005	0.000093	0.000	1.951	mg/L
	Pb	208	164692.070	0.439	0.005982	0.000	0.914	mg/L
>	Bi	209	373699.546	373699.546				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	92.577
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	95.461
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	91.885
	Ag	106.905	

: 00977

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	87.034

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	475563.834	475563.834		mg/L
Be	9	52.001	0.000	0.000178	mg/L
V	51	184550.618	0.511	0.016437	mg/L
Cr	52	117307.593	0.299	0.011248	mg/L
Cr	53	13791.439	0.037	0.011546	mg/L
Co	59	54628.833	0.154	0.004500	mg/L
Cu	63	48888.714	0.137	0.006191	mg/L
Cu	65	24838.359	0.070	0.008998	mg/L
Zn	66	44209.834	0.124	0.027251	mg/L
Zn	68	31172.182	0.087	0.026328	mg/L
Ge	72	354084.498	354084.498		mg/L
As	75	11350.799	0.031	0.005807	mg/L
Se	77	282.008	0.000	0.000740	mg/L
Se	82	39.890	0.000	0.000212	mg/L
Rh	103	409260.008	409260.008		mg/L
Ag	107	449.019	0.001	0.000040	mg/L
Cd	111	933.788	0.002	0.000371	mg/L
Cd	114	390.049	0.001	0.000088	mg/L
Tl	203	807.064	0.002	0.000090	mg/L
Tl	205	1882.287	0.006	0.000083	mg/L
Pb	208	165388.105	0.440	0.006982	mg/L
Bi	209	374565.689	374565.689		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	479262.188	479262.188		mg/L
Be	9	51.001	0.000	0.000171	mg/L
V	51	189809.654	0.523	0.016829	mg/L
Cr	52	118547.831	0.302	0.011328	mg/L
Cr	53	13588.882	0.038	0.011293	mg/L
Co	59	54728.409	0.154	0.004490	mg/L
Cu	63	48706.987	0.136	0.006166	mg/L
Cu	65	24667.768	0.068	0.008802	mg/L
Zn	66	44681.825	0.125	0.027441	mg/L
Zn	68	31795.929	0.088	0.026754	mg/L
Ge	72	355481.391	355481.391		mg/L
As	75	11578.537	0.032	0.005606	mg/L
Se	77	235.006	0.000	0.000436	mg/L
Se	82	67.989	0.000	0.000343	mg/L
Rh	103	407704.725	407704.725		mg/L
Ag	107	510.023	0.001	0.000046	mg/L
Cd	111	973.094	0.002	0.000388	mg/L
Cd	114	377.246	0.001	0.000084	mg/L
Tl	203	828.056	0.002	0.000095	mg/L
Tl	205	1899.271	0.005	0.000095	mg/L
Pb	208	163557.698	0.443	0.008030	mg/L
Bi	209	368101.226	368101.226		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	486819.538	486819.538		mg/L
Be	9	58.001	0.000	0.000182	mg/L
V	51	193743.443	0.530	0.017088	mg/L
Cr	52	119939.794	0.310	0.011642	mg/L
Cr	53	13586.008	0.037	0.011457	mg/L
Co	59	52756.837	0.150	0.004386	mg/L
Cu	63	48447.227	0.137	0.006229	mg/L
Cu	65	25022.000	0.071	0.008842	mg/L
Zn	66	43879.582	0.124	0.027171	mg/L
Zn	68	31607.092	0.089	0.026848	mg/L
Ge	72	350880.052	350880.052		mg/L
As	75	10958.125	0.030	0.005382	mg/L
Se	77	270.008	0.000	0.000680	mg/L
Se	82	19.048	0.000	0.000117	mg/L
Rh	103	407805.227	407805.227		mg/L
Ag	107	509.023	0.001	0.000046	mg/L
Cd	111	868.283	0.002	0.000354	mg/L
Cd	114	391.504	0.001	0.000088	mg/L
Tl	203	780.050	0.002	0.000088	mg/L
Tl	205	1868.268	0.005	0.000092	mg/L
Pb	208	165148.408	0.435	0.008823	mg/L
Bi	209	378431.722	378431.722		mg/L

Sample Information

Sample ID: 1001286-13
Autosampler Position: 35
Sample Date/Time: Thursday, January 28, 2010 10:38:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-13.037
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	479198.621	479198.621				mg/L
	Be	9	234.673	0.000	0.000803	0.000	10.340	mg/L
	V	51	313478.442	0.874	0.028127	0.000	0.388	mg/L
	Cr	52	477349.698	1.315	0.049406	0.001	2.290	mg/L
	Cr	53	56578.430	0.158	0.049422	0.001	2.177	mg/L
	Co	59	106830.716	0.301	0.008802	0.000	1.657	mg/L
	Cu	63	218097.606	0.615	0.036845	0.001	1.439	mg/L
	Cu	65	104785.433	0.295	0.036808	0.001	1.779	mg/L
	Zn	66	165370.542	0.466	0.102415	0.001	0.849	mg/L
	Zn	68	124507.677	0.350	0.106252	0.002	1.610	mg/L
>	Ge	72	354422.972	354422.972				mg/L
	As	75	25968.972	0.073	0.012762	0.000	0.216	mg/L
	Se	77	360.346	0.001	0.001239	0.000	12.588	mg/L
	Se	82	108.291	0.000	0.000530	0.000	20.119	mg/L
>	Rh	103	404376.546	404376.546				mg/L
	Ag	107	1467.832	0.004	0.000136	0.000	2.556	mg/L
	Cd	111	2257.216	0.006	0.000909	0.000	3.119	mg/L
	Cd	114	2394.107	0.006	0.000415	0.000	2.977	mg/L
	Tl	203	1715.890	0.004	0.000194	0.000	1.726	mg/L
	Tl	205	4082.207	0.010	0.000203	0.000	0.540	mg/L
	Pb	208	5732623.730	14.970	0.203821	0.003	1.633	mg/L
>	Bi	209	382955.863	382955.863				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	92.317
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	95.717
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	91.012
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980 89.190

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	482038.057	482038.057		mg/L
Be	9	264.008	0.001	0.000888	mg/L
V	51	318364.420	0.870	0.028003	mg/L
Cr	52	478472.501	1.286	0.048318	mg/L
Cr	53	56321.739	0.154	0.048208	mg/L
Co	59	107083.476	0.298	0.008647	mg/L
Cu	63	219467.486	0.808	0.038344	mg/L
Cu	65	108119.907	0.290	0.038197	mg/L
Zn	66	167346.291	0.462	0.101603	mg/L
Zn	68	124881.662	0.344	0.104277	mg/L
Ge	72	381491.077	381491.077		mg/L
As	75	26431.773	0.072	0.012734	mg/L
Se	77	341.012	0.000	0.001072	mg/L
Se	82	134.674	0.000	0.000642	mg/L
Rh	103	414940.118	414940.118		mg/L
Ag	107	1500.173	0.004	0.000136	mg/L
Cd	111	2321.508	0.006	0.000812	mg/L
Cd	114	2426.538	0.006	0.000410	mg/L
Tl	203	1712.222	0.004	0.000191	mg/L
Tl	205	4134.237	0.010	0.000202	mg/L
Pb	208	5723837.980	14.710	0.200275	mg/L
Bi	209	389086.918	389086.918		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	480101.677	480101.677		mg/L
Be	9	221.006	0.000	0.000754	mg/L
V	51	310781.984	0.875	0.028187	mg/L
Cr	52	463550.261	1.346	0.050574	mg/L
Cr	53	56446.721	0.159	0.049801	mg/L
Co	59	107390.330	0.308	0.008937	mg/L
Cu	63	219183.232	0.624	0.037400	mg/L
Cu	65	105694.298	0.301	0.037499	mg/L
Zn	66	165181.752	0.470	0.103332	mg/L
Zn	68	124464.262	0.353	0.107278	mg/L
Ge	72	350856.903	350856.903		mg/L
As	75	25784.246	0.073	0.012790	mg/L
Se	77	379.014	0.001	0.001380	mg/L
Se	82	104.884	0.000	0.000520	mg/L
Rh	103	398478.197	398478.197		mg/L
Ag	107	1413.154	0.004	0.000133	mg/L
Cd	111	2290.849	0.006	0.000837	mg/L
Cd	114	2436.525	0.006	0.000429	mg/L
Tl	203	1701.220	0.004	0.000195	mg/L
Tl	205	4080.194	0.010	0.000204	mg/L
Pb	208	5753018.527	15.195	0.206875	mg/L
Bi	209	378586.818	378586.818		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	475454.930	475454.930		mg/L
Be	9	219.008	0.000	0.000756	mg/L
V	51	311298.953	0.877	0.028210	mg/L
Cr	52	472026.331	1.313	0.049331	mg/L
Cr	53	56866.831	0.160	0.050257	mg/L
Co	59	108038.342	0.302	0.008823	mg/L
Cu	63	215652.121	0.614	0.036790	mg/L
Cu	65	103542.098	0.296	0.036728	mg/L
Zn	66	163583.562	0.466	0.102311	mg/L
Zn	68	124397.107	0.353	0.107201	mg/L
Ge	72	350920.937	350920.937		mg/L
As	75	25710.868	0.072	0.012761	mg/L
Se	77	361.013	0.001	0.001264	mg/L
Se	82	85.537	0.000	0.000430	mg/L
Rh	103	399711.324	399711.324		mg/L
Ag	107	1490.170	0.004	0.000140	mg/L
Cd	111	2159.289	0.006	0.000880	mg/L
Cd	114	2316.280	0.006	0.000408	mg/L
Tl	203	1734.228	0.004	0.000197	mg/L
Tl	205	4052.190	0.010	0.000202	mg/L
Pb	208	5721214.673	15.008	0.204313	mg/L
Bi	209	381215.053	381215.053		mg/L

Sample Information

Sample ID: 1001286-14
Autosampler Position: 36
Sample Date/Time: Thursday, January 28, 2010 10:42:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-14.038
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	489440.996	489440.996				mg/L
⌊	Be	9	111.002	0.000	0.000370	0.000	4.659	mg/L
⌈	V	51	297905.333	0.812	0.026113	0.000	0.752	mg/L
|	Cr	52	199282.005	0.518	0.019457	0.000	1.163	mg/L
|	Cr	53	23245.998	0.062	0.019449	0.000	1.368	mg/L
|	Co	59	69956.293	0.193	0.005632	0.000	1.565	mg/L
|	Cu	63	69024.282	0.190	0.011369	0.000	1.712	mg/L
|	Cu	65	33442.106	0.092	0.011454	0.000	1.665	mg/L
|	Zn	66	76124.927	0.209	0.045986	0.001	1.162	mg/L
|	Zn	68	56774.982	0.155	0.047151	0.000	0.484	mg/L
|>	Ge	72	362450.854	362450.854				mg/L
|	As	75	18590.980	0.051	0.008894	0.000	1.794	mg/L
|	Se	77	298.009	0.000	0.000799	0.000	6.130	mg/L
⌊	Se	82	52.501	0.000	0.000266	0.000	50.005	mg/L
⌈>	Rh	103	423103.281	423103.281				mg/L
|	Ag	107	659.704	0.002	0.000058	0.000	4.361	mg/L
|	Cd	111	1038.945	0.002	0.000399	0.000	3.932	mg/L
⌊	Cd	114	841.365	0.002	0.000138	0.000	4.106	mg/L
⌈	Tl	203	1415.821	0.003	0.000150	0.000	4.643	mg/L
|	Tl	205	3490.221	0.008	0.000163	0.000	1.030	mg/L
|	Pb	208	623692.543	1.539	0.020953	0.000	0.695	mg/L
⌊>	Bi	209	404901.840	404901.840				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.290
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.885
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	95.226
|	Ag	106.905	

00981

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

94.301

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	490062.449	490062.449		mg/L
Be	9	117.002	0.000	0.000389	mg/L
V	51	299498.084	0.807	0.025986	mg/L
Cr	52	198833.123	0.511	0.019198	mg/L
Cr	53	23143.664	0.061	0.019142	mg/L
Co	59	69564.798	0.190	0.005638	mg/L
Cu	63	68475.337	0.186	0.011156	mg/L
Cu	65	33183.231	0.090	0.011240	mg/L
Zn	66	76139.411	0.207	0.045491	mg/L
Zn	68	57152.306	0.156	0.046846	mg/L
Ge	72	366416.833	366416.833		mg/L
As	75	18477.559	0.050	0.008740	mg/L
Se	77	299.009	0.000	0.000786	mg/L
Se	82	85.807	0.000	0.000413	mg/L
Rh	103	422211.256	422211.256		mg/L
Ag	107	654.036	0.002	0.000057	mg/L
Cd	111	1078.356	0.003	0.000418	mg/L
Cd	114	847.236	0.002	0.000140	mg/L
Tl	203	1384.142	0.003	0.000143	mg/L
Tl	205	3505.895	0.008	0.000183	mg/L
Pb	208	624807.339	1.531	0.020844	mg/L
Bi	209	407614.804	407614.804		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	486083.502	486083.502		mg/L
Be	9	108.002	0.000	0.000362	mg/L
V	51	299860.780	0.819	0.026336	mg/L
Cr	52	200064.818	0.521	0.019574	mg/L
Cr	53	23388.462	0.063	0.019808	mg/L
Co	59	70856.405	0.196	0.005715	mg/L
Cu	63	69901.081	0.192	0.011535	mg/L
Cu	65	33560.994	0.092	0.011515	mg/L
Zn	66	75870.570	0.209	0.045914	mg/L
Zn	68	56819.078	0.155	0.047108	mg/L
Ge	72	361773.872	361773.872		mg/L
As	75	18533.932	0.050	0.008882	mg/L
Se	77	291.008	0.000	0.000756	mg/L
Se	82	27.984	0.000	0.000153	mg/L
Rh	103	425278.458	425278.458		mg/L
Ag	107	693.041	0.002	0.000060	mg/L
Cd	111	1042.170	0.002	0.000398	mg/L
Cd	114	875.403	0.002	0.000143	mg/L
Tl	203	1438.158	0.003	0.000153	mg/L
Tl	205	3462.874	0.008	0.000182	mg/L
Pb	208	629094.471	1.551	0.021118	mg/L
Bi	209	405214.842	405214.842		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	492167.038	492167.038		mg/L
Be	9	108.002	0.000	0.000357	mg/L
V	51	294358.166	0.809	0.026037	mg/L
Cr	52	198858.075	0.522	0.019600	mg/L
Cr	53	22206.888	0.062	0.019697	mg/L
Co	59	69448.678	0.193	0.005642	mg/L
Cu	63	68698.447	0.190	0.011418	mg/L
Cu	65	33582.093	0.093	0.011607	mg/L
Zn	66	76364.800	0.212	0.046562	mg/L
Zn	68	56553.562	0.156	0.047398	mg/L
Ge	72	358161.857	358161.857		mg/L
As	75	18781.447	0.051	0.009059	mg/L
Se	77	304.010	0.000	0.000853	mg/L
Se	82	43.901	0.000	0.000228	mg/L
Rh	103	421820.129	421820.129		mg/L
Ag	107	832.034	0.001	0.000058	mg/L
Cd	111	998.309	0.002	0.000384	mg/L
Cd	114	801.457	0.002	0.000132	mg/L
Tl	203	1455.163	0.003	0.000156	mg/L
Tl	205	3501.893	0.008	0.000186	mg/L
Pb	208	617375.820	1.535	0.020897	mg/L
Bi	209	401875.873	401875.873		mg/L

: 00982

Sample Information

Sample ID: 0A28009-CCV

Autosampler Position: 2

Sample Date/Time: Thursday, January 28, 2010 10:45:41

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Number of Replicates: 3

Sample File: C:\Elandata\Sample\0A28009.sam

Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth

Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CCV.039

Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun

Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	466648.165	466648.165				mg/L
⌊	Be	9	11128.107	0.024	0.039295	0.000	0.189	mg/L
⌈	V	51	433026.157	1.188	0.038212	0.001	1.620	mg/L
|	Cr	52	390058.578	1.047	0.039338	0.001	2.236	mg/L
|	Cr	53	45473.432	0.124	0.038795	0.001	1.937	mg/L
|	Co	59	489028.611	1.353	0.039536	0.001	2.299	mg/L
|	Cu	63	244368.799	0.675	0.040476	0.000	0.757	mg/L
|	Cu	65	116328.274	0.321	0.040063	0.001	1.776	mg/L
|	Zn	66	65959.482	0.182	0.039921	0.000	0.408	mg/L
|	Zn	68	48530.794	0.133	0.040356	0.000	0.912	mg/L
|>	Ge	72	361483.924	361483.924				mg/L
|	As	75	83233.189	0.229	0.040393	0.000	0.490	mg/L
|	Se	77	6511.367	0.018	0.039565	0.001	3.429	mg/L
⌊	Se	82	8773.710	0.024	0.040092	0.001	1.644	mg/L
⌈>	Rh	103	430991.441	430991.441				mg/L
|	Ag	107	450368.992	1.045	0.039648	0.000	1.118	mg/L
|	Cd	111	105469.925	0.245	0.039947	0.001	2.359	mg/L
⌊	Cd	114	245243.684	0.569	0.040043	0.001	2.648	mg/L
⌈	Tl	203	362545.965	0.915	0.040964	0.001	2.265	mg/L
|	Tl	205	864305.333	2.182	0.042772	0.001	2.077	mg/L
|	Pb	208	1162683.805	2.934	0.039946	0.001	1.339	mg/L
⌊>	Bi	209	396151.717	396151.717				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	89.899
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.624
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.002
|	Ag	106.905	

: 00983

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980 92.263

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	471507.697	471507.697		mg/L
Be	9	11222.922	0.024	0.039221	mg/L
V	51	434068.763	1.183	0.038074	mg/L
Cr	52	391196.721	1.044	0.039214	mg/L
Cr	53	45504.943	0.123	0.038567	mg/L
Co	59	487161.037	1.339	0.038148	mg/L
Cu	63	244749.956	0.672	0.040298	mg/L
Cu	65	117561.567	0.323	0.040244	mg/L
Zn	66	66275.713	0.181	0.039878	mg/L
Zn	68	48538.833	0.132	0.040118	mg/L
Ge	72	363633.858	363633.858		mg/L
As	75	83831.730	0.229	0.040346	mg/L
Se	77	6300.841	0.017	0.038018	mg/L
Se	82	8710.839	0.024	0.039568	mg/L
Rh	103	434946.438	434946.438		mg/L
Ag	107	453396.468	1.042	0.039648	mg/L
Cd	111	104274.274	0.240	0.039128	mg/L
Cd	114	241185.430	0.554	0.039013	mg/L
Tl	203	365858.260	0.908	0.040548	mg/L
Tl	205	868807.897	2.151	0.042170	mg/L
Pb	208	1169346.183	2.894	0.039408	mg/L
Bi	209	403823.244	403823.244		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	466212.458	466212.458		mg/L
Be	9	11117.757	0.024	0.039295	mg/L
V	51	438080.575	1.209	0.038888	mg/L
Cr	52	398758.124	1.072	0.040273	mg/L
Cr	53	46166.172	0.126	0.039529	mg/L
Co	59	498099.940	1.388	0.040675	mg/L
Cu	63	241888.832	0.672	0.040298	mg/L
Cu	65	117383.998	0.328	0.040868	mg/L
Zn	66	65356.281	0.181	0.039788	mg/L
Zn	68	48752.296	0.134	0.040780	mg/L
Ge	72	359382.564	359382.564		mg/L
As	75	83184.087	0.231	0.040811	mg/L
Se	77	6506.082	0.018	0.040142	mg/L
Se	82	8884.387	0.025	0.040832	mg/L
Rh	103	423862.912	423862.912		mg/L
Ag	107	448379.155	1.058	0.040133	mg/L
Cd	111	108420.187	0.251	0.040878	mg/L
Cd	114	247800.786	0.589	0.041131	mg/L
Tl	203	355293.372	0.901	0.040319	mg/L
Tl	205	852171.105	2.161	0.042364	mg/L
Pb	208	1157859.889	2.935	0.039958	mg/L
Bi	209	394370.324	394370.324		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	462224.339	462224.339		mg/L
Be	9	11043.841	0.024	0.039370	mg/L
V	51	428932.133	1.171	0.037873	mg/L
Cr	52	382223.888	1.026	0.038527	mg/L
Cr	53	44749.183	0.122	0.038170	mg/L
Co	59	480944.856	1.330	0.038885	mg/L
Cu	63	246468.611	0.681	0.040830	mg/L
Cu	65	114039.268	0.315	0.039278	mg/L
Zn	66	66247.452	0.182	0.040102	mg/L
Zn	68	48303.255	0.132	0.040169	mg/L
Ge	72	361435.361	361435.361		mg/L
As	75	82874.268	0.229	0.040223	mg/L
Se	77	6687.177	0.018	0.040538	mg/L
Se	82	8725.925	0.024	0.039877	mg/L
Rh	103	434164.972	434164.972		mg/L
Ag	107	449332.353	1.035	0.039264	mg/L
Cd	111	105715.313	0.243	0.039738	mg/L
Cd	114	246744.837	0.568	0.039984	mg/L
Tl	203	366486.263	0.939	0.042027	mg/L
Tl	205	871938.987	2.234	0.043783	mg/L
Pb	208	1160745.333	2.973	0.040476	mg/L
Bi	209	390261.583	390261.583		mg/L

Sample ID: 0A28009-CCV
Report Date/Time: Thursday, January 28, 2010 10:47:22

Sample Information

Sample ID: 0A28009-CCB
Autosampler Position: 1
Sample Date/Time: Thursday, January 28, 2010 10:49:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CCB.040
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	455395.258	455395.258				mg/L
⌊	Be	9	1.667	0.000	0.000002	0.000	418.957	mg/L
⌈	V	51	3779.830	0.000	0.000003	0.000	499.139	mg/L
|	Cr	52	11486.679	-0.000	-0.000011	0.000	190.086	mg/L
|	Cr	53	801.053	0.000	0.000018	0.000	190.735	mg/L
|	Co	59	115.669	-0.000	-0.000001	0.000	74.077	mg/L
|	Cu	63	304.010	0.000	0.000002	0.000	167.396	mg/L
|	Cu	65	237.007	0.000	0.000035	0.000	143.109	mg/L
|	Zn	66	271.008	-0.000	-0.000045	0.000	18.617	mg/L
|	Zn	68	451.685	-0.000	-0.000017	0.000	103.160	mg/L
|>	Ge	72	363138.067	363138.067				mg/L
|	As	75	369.339	0.000	0.000043	0.000	29.587	mg/L
|	Se	77	177.337	0.000	0.000046	0.000	204.008	mg/L
⌊	Se	82	-2.620	0.000	0.000016	0.000	762.640	mg/L
⌈>	Rh	103	436066.760	436066.760				mg/L
|	Ag	107	237.673	0.001	0.000019	0.000	30.614	mg/L
|	Cd	111	11.795	0.000	0.000003	0.000	20.394	mg/L
⌊	Cd	114	16.010	0.000	0.000001	0.000	55.094	mg/L
⌈	Tl	203	79.668	0.000	0.000003	0.000	75.042	mg/L
|	Tl	205	197.005	0.000	0.000004	0.000	3.867	mg/L
|	Pb	208	851.029	0.001	0.000010	0.000	6.714	mg/L
⌊>	Bi	209	401729.988	401729.988				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	87.731
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.070
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.144
|	Ag	106.905	

: 00985

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	93.563

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	454241.789	454241.789		mg/L
Be	9	1.000	0.000	0.000001	mg/L
V	51	3708.378	0.000	-0.000004	mg/L
Cr	52	11268.987	0.001	-0.000036	mg/L
Cr	53	809.084	0.000	0.000024	mg/L
Co	59	114.002	0.000	0.000001	mg/L
Cu	63	328.011	0.000	0.000008	mg/L
Cu	65	154.003	0.000	0.000008	mg/L
Zn	66	261.007	0.000	-0.000051	mg/L
Zn	68	428.017	0.000	-0.000057	mg/L
Ge	72	363800.208	363800.208		mg/L
As	75	349.780	0.000	0.000034	mg/L
Se	77	162.003	0.000	0.000061	mg/L
Se	82	-10.008	0.000	-0.000018	mg/L
Rh	103	435722.677	435722.677		mg/L
Ag	107	303.009	0.001	0.000025	mg/L
Cd	111	10.106	0.000	0.000002	mg/L
Cd	114	11.654	0.000	0.000000	mg/L
Tl	203	100.002	0.000	0.000006	mg/L
Tl	205	200.006	0.000	0.000004	mg/L
Pb	208	850.029	0.001	0.000010	mg/L
Bi	209	401541.648	401541.648		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	459980.811	459980.811		mg/L
Be	9	0.000	0.000	-0.000004	mg/L
V	51	3987.858	0.001	0.000019	mg/L
Cr	52	11703.697	0.000	0.000001	mg/L
Cr	53	768.049	0.000	0.000018	mg/L
Co	59	113.002	-0.000	0.000001	mg/L
Cu	63	308.010	0.000	0.000003	mg/L
Cu	65	156.003	0.000	0.000006	mg/L
Zn	66	299.009	0.000	0.000035	mg/L
Zn	68	467.020	0.000	0.000008	mg/L
Ge	72	366304.274	366304.274		mg/L
As	75	382.687	0.000	0.000039	mg/L
Se	77	180.004	0.000	0.000053	mg/L
Se	82	-25.025	0.000	0.000088	mg/L
Rh	103	436000.911	436000.911		mg/L
Ag	107	241.008	0.001	0.000019	mg/L
Cd	111	12.090	0.000	0.000003	mg/L
Cd	114	18.425	0.000	0.000001	mg/L
Tl	203	74.001	0.000	0.000002	mg/L
Tl	205	198.005	0.000	0.000004	mg/L
Pb	208	838.028	0.001	0.000008	mg/L
Bi	209	404560.251	404560.251		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	456963.473	456963.473		mg/L
Be	9	4.000	0.000	0.000010	mg/L
V	51	3833.257	-0.000	-0.000007	mg/L
Cr	52	11488.343	0.000	0.000001	mg/L
Cr	53	829.056	0.000	0.000048	mg/L
Co	59	120.002	0.000	-0.000000	mg/L
Cu	63	278.008	-0.000	-0.000002	mg/L
Cu	65	401.015	0.001	0.000062	mg/L
Zn	66	263.007	-0.000	0.000048	mg/L
Zn	68	460.019	-0.000	-0.000008	mg/L
Ge	72	359508.721	359508.721		mg/L
As	75	395.568	0.000	0.000068	mg/L
Se	77	190.004	0.000	0.000138	mg/L
Se	82	27.174	0.000	0.000152	mg/L
Rh	103	438478.694	438478.694		mg/L
Ag	107	168.004	0.000	0.000013	mg/L
Cd	111	13.187	0.000	0.000003	mg/L
Cd	114	17.949	0.000	0.000001	mg/L
Tl	203	65.001	0.000	0.000001	mg/L
Tl	205	193.005	0.000	0.000004	mg/L
Pb	208	865.029	0.001	0.000010	mg/L
Bi	209	399087.888	399087.888		mg/L

: 00986

Sample Information

Sample ID: 1001286-15
Autosampler Position: 37
Sample Date/Time: Thursday, January 28, 2010 10:52:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-15.041
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	465843.407	465843.407		-		mg/L
⌊	Be	9	249.674	0.001	0.000879	0.000	5.684	mg/L
⌈	V	51	446444.734	1.207	0.038833	0.001	1.699	mg/L
|	Cr	52	404794.037	1.072	0.040262	0.000	0.887	mg/L
|	Cr	53	48216.341	0.129	0.040572	0.000	1.166	mg/L
|	Co	59	154074.190	0.420	0.012269	0.000	0.397	mg/L
|	Cu	63	273417.913	0.745	0.044640	0.001	1.123	mg/L
|	Cu	65	132295.567	0.360	0.044910	0.000	0.929	mg/L
|	Zn	66	261164.698	0.711	0.156393	0.001	0.507	mg/L
|	Zn	68	193588.185	0.527	0.159811	0.001	0.588	mg/L
|>	Ge	72	366776.082	366776.082				mg/L
|	As	75	35054.294	0.095	0.016687	0.000	0.502	mg/L
|	Se	77	374.347	0.001	0.001246	0.000	9.737	mg/L
⌊	Se	82	114.654	0.000	0.000543	0.000	9.743	mg/L
⌈>	Rh	103	413238.192	413238.192				mg/L
|	Ag	107	1722.892	0.004	0.000157	0.000	0.998	mg/L
|	Cd	111	2469.248	0.006	0.000974	0.000	1.578	mg/L
⌊	Cd	114	2030.106	0.005	0.000344	0.000	3.194	mg/L
⌈	Tl	203	1906.607	0.005	0.000210	0.000	1.966	mg/L
|	Tl	205	4481.117	0.011	0.000217	0.000	1.806	mg/L
|	Pb	208	3515696.582	8.923	0.121491	0.001	0.450	mg/L
⌊>	Bi	209	393940.006	393940.006				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	89.744
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.053
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	93.006
|	Ag	106.905	

: 00987

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	91.748

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	469060 548	469060 548		mg/L
Be	9	267 008	0 001	0 000834	mg/L
V	51	451307 488	1 229	0 039484	mg/L
Cr	52	406251 309	1 082	0 040566	mg/L
Cr	53	48566 031	0 131	0 041118	mg/L
Co	59	153649 507	0 421	0 012309	mg/L
Cu	63	275191 843	0 754	0 048198	mg/L
Cu	65	132911 501	0 364	0 046386	mg/L
Zn	66	261013 873	0 715	0 157237	mg/L
Zn	68	193743 308	0 530	0 160898	mg/L
Ge	72	364596 053	364596 053		mg/L
As	75	34853 185	0 095	0 016660	mg/L
Se	77	375 014	0 001	0 001264	mg/L
Se	82	125 908	0 000	0 000597	mg/L
Rh	103	414983 533	414983 533		mg/L
Ag	107	1726 228	0 004	0 000156	mg/L
Cd	111	2438 400	0 006	0 000857	mg/L
Cd	114	2083 302	0 005	0 000348	mg/L
Tl	203	1897 271	0 005	0 000207	mg/L
Tl	205	4581 521	0 011	0 000221	mg/L
Pb	208	3532439 808	8 887	0 120983	mg/L
Bi	209	397432 261	397432 261		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	461855 582	461856 582		mg/L
Be	9	244 007	0 001	0 000888	mg/L
V	51	429833 424	1 187	0 038175	mg/L
Cr	52	404808 778	1 069	0 040180	mg/L
Cr	53	48006 253	0 128	0 040309	mg/L
Co	59	154671 082	0 420	0 012284	mg/L
Cu	63	271431 786	0 739	0 044227	mg/L
Cu	65	131708 511	0 358	0 044821	mg/L
Zn	66	260462 371	0 708	0 155662	mg/L
Zn	68	193323 148	0 525	0 159274	mg/L
Ge	72	367498 387	367498 387		mg/L
As	75	34944 774	0 094	0 016601	mg/L
Se	77	354 012	0 000	0 001117	mg/L
Se	82	114 500	0 000	0 000641	mg/L
Rh	103	410231 434	410231 434		mg/L
Ag	107	1726 228	0 004	0 000158	mg/L
Cd	111	2483 348	0 006	0 000886	mg/L
Cd	114	2083 983	0 005	0 000353	mg/L
Tl	203	1924 278	0 005	0 000216	mg/L
Tl	205	4440 424	0 011	0 000216	mg/L
Pb	208	3468926 938	8 966	0 122077	mg/L
Bi	209	389063 258	389063 258		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	466824 079	466824 079		mg/L
Be	9	238 008	0 001	0 000836	mg/L
V	51	448193 278	1 207	0 038829	mg/L
Cr	52	403524 022	1 064	0 039987	mg/L
Cr	53	48077 739	0 126	0 040289	mg/L
Co	59	154001 980	0 418	0 012215	mg/L
Cu	63	273630 331	0 742	0 044498	mg/L
Cu	65	132266 690	0 359	0 044721	mg/L
Zn	66	262017 748	0 711	0 156280	mg/L
Zn	68	193698 104	0 525	0 159288	mg/L
Ge	72	368233 808	368233 808		mg/L
As	75	35364 924	0 096	0 016769	mg/L
Se	77	394 018	0 001	0 001387	mg/L
Se	82	103 554	0 000	0 000491	mg/L
Rh	103	414498 608	414498 608		mg/L
Ag	107	1712 222	0 004	0 000156	mg/L
Cd	111	2487 998	0 006	0 000978	mg/L
Cd	114	1983 024	0 005	0 000332	mg/L
Tl	203	1898 271	0 005	0 000208	mg/L
Tl	205	4411 408	0 011	0 000213	mg/L
Pb	208	3525724 002	8 917	0 121404	mg/L
Bi	209	395334 501	395334 501		mg/L

Sample Information

Sample ID: 1001286-16
Autosampler Position: 38
Sample Date/Time: Thursday, January 28, 2010 10:55:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-16.042
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	469089.578	469089.578				mg/L
⌊	Be	9	217.339	0.000	0.000760	0.000	4.815	mg/L
⌈	V	51	327146.313	0.910	0.029277	0.001	2.721	mg/L
|	Cr	52	934653.157	2.597	0.097563	0.002	1.582	mg/L
|	Cr	53	110553.436	0.309	0.096884	0.000	0.467	mg/L
|	Co	59	136235.438	0.383	0.011190	0.000	0.528	mg/L
|	Cu	63	347965.736	0.978	0.058625	0.001	1.537	mg/L
|	Cu	65	166578.729	0.468	0.058349	0.000	0.103	mg/L
|	Zn	66	357138.972	1.004	0.220722	0.003	1.191	mg/L
|	Zn	68	267665.883	0.752	0.228136	0.004	1.837	mg/L
|>	Ge	72	355537.515	355537.515				mg/L
|	As	75	31081.729	0.087	0.015253	0.000	1.046	mg/L
|	Se	77	362.680	0.001	0.001245	0.000	5.371	mg/L
⌊	Se	82	139.497	0.000	0.000675	0.000	3.489	mg/L
⌈>	Rh	103	401197.787	401197.787				mg/L
|	Ag	107	2282.721	0.006	0.000214	0.000	0.580	mg/L
|	Cd	111	2682.388	0.007	0.001089	0.000	2.998	mg/L
⌊	Cd	114	3668.119	0.009	0.000642	0.000	2.000	mg/L
⌈	Tl	203	1734.228	0.004	0.000184	0.000	1.515	mg/L
|	Tl	205	4176.596	0.010	0.000195	0.000	1.453	mg/L
|	Pb	208	13369762.516	32.797	0.446532	0.007	1.472	mg/L
⌊>	Bi	209	407677.554	407677.554				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	90.369
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.018
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	90.296
|	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

94.948

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	462972.548	462972.548		mg/L
Be	9	226.008	0.000	0.000800	mg/L
V	51	324484.620	0.895	0.028800	mg/L
Cr	52	934106.888	2.573	0.098863	mg/L
Cr	53	111512.822	0.309	0.096889	mg/L
Co	59	137750.951	0.384	0.011218	mg/L
Cu	63	346807.102	0.968	0.067825	mg/L
Cu	65	167840.886	0.468	0.058287	mg/L
Zn	66	357089.118	0.997	0.219338	mg/L
Zn	68	264453.101	0.738	0.223438	mg/L
Ge	72	358806.938	358806.938		mg/L
As	75	31022.343	0.086	0.015081	mg/L
Se	77	360.013	0.001	0.001208	mg/L
Se	82	137.781	0.000	0.000861	mg/L
Rh	103	406529.987	405529.987		mg/L
Ag	107	2322.401	0.006	0.000218	mg/L
Cd	111	2802.977	0.007	0.001127	mg/L
Cd	114	3710.129	0.009	0.000842	mg/L
Tl	203	1747.231	0.004	0.000183	mg/L
Tl	205	4217.287	0.010	0.000184	mg/L
Pb	208	13482070.047	32.529	0.442881	mg/L
Bi	209	413525.501	413525.501		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	467983.470	467983.470		mg/L
Be	9	214.008	0.000	0.000749	mg/L
V	51	334286.381	0.939	0.030197	mg/L
Cr	52	942939.498	2.645	0.099345	mg/L
Cr	53	110055.465	0.310	0.097336	mg/L
Co	59	134174.805	0.381	0.011122	mg/L
Cu	63	350804.416	0.986	0.068842	mg/L
Cu	65	165228.822	0.468	0.058407	mg/L
Zn	66	358788.821	1.017	0.223784	mg/L
Zn	68	269150.820	0.763	0.231490	mg/L
Ge	72	352302.529	352302.529		mg/L
As	75	31115.827	0.088	0.015410	mg/L
Se	77	353.012	0.001	0.001204	mg/L
Se	82	144.058	0.000	0.000702	mg/L
Rh	103	401288.169	401288.169		mg/L
Ag	107	2273.384	0.006	0.000213	mg/L
Cd	111	2822.069	0.007	0.001066	mg/L
Cd	114	3594.980	0.009	0.000829	mg/L
Tl	203	1714.223	0.004	0.000182	mg/L
Tl	205	4123.231	0.010	0.000183	mg/L
Pb	208	13231208.215	32.508	0.442584	mg/L
Bi	209	406999.137	406999.137		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	476302.718	476302.718		mg/L
Be	9	212.008	0.000	0.000729	mg/L
V	51	322458.988	0.898	0.029836	mg/L
Cr	52	929914.108	2.574	0.098881	mg/L
Cr	53	110092.022	0.307	0.096430	mg/L
Co	59	138780.569	0.384	0.011230	mg/L
Cu	63	346295.691	0.973	0.068310	mg/L
Cu	65	166686.668	0.468	0.058362	mg/L
Zn	66	354868.978	0.998	0.219071	mg/L
Zn	68	266383.727	0.758	0.229480	mg/L
Ge	72	355704.078	355704.078		mg/L
As	75	31107.017	0.087	0.015257	mg/L
Se	77	375.014	0.001	0.001322	mg/L
Se	82	136.643	0.000	0.000861	mg/L
Rh	103	398775.194	398775.194		mg/L
Ag	107	2252.378	0.006	0.000214	mg/L
Cd	111	2822.119	0.007	0.001077	mg/L
Cd	114	3699.270	0.009	0.000864	mg/L
Tl	203	1741.230	0.004	0.000187	mg/L
Tl	205	4189.270	0.010	0.000188	mg/L
Pb	208	13428009.265	33.354	0.454122	mg/L
Bi	209	402508.025	402508.025		mg/L

: 00990

Sample Information

Sample ID: 1001286-04
Autosampler Position: 39
Sample Date/Time: Thursday, January 28, 2010 11:00:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-04.043
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	475768.543	475768.543				mg/L
	Be	9	164.337	0.000	0.000565	0.000	10.267	mg/L
	V	51	76552.925	0.202	0.006506	0.000	1.189	mg/L
	Cr	52	79396.147	0.188	0.007081	0.000	2.242	mg/L
	Cr	53	8778.145	0.022	0.006972	0.000	0.559	mg/L
	Co	59	28016.785	0.077	0.002264	0.000	0.907	mg/L
	Cu	63	141543.069	0.392	0.023510	0.000	0.693	mg/L
	Cu	65	68441.699	0.190	0.023640	0.000	1.895	mg/L
	Zn	66	99607.208	0.276	0.060616	0.001	2.265	mg/L
	Zn	68	71672.209	0.198	0.060011	0.001	2.121	mg/L
>	Ge	72	360181.699	360181.699				mg/L
	As	75	126243.223	0.350	0.061561	0.001	0.861	mg/L
	Se	77	274.008	0.000	0.000660	0.000	10.023	mg/L
	Se	82	99.564	0.000	0.000484	0.000	9.554	mg/L
>	Rh	103	424384.423	424384.423				mg/L
	Ag	107	446.352	0.001	0.000038	0.000	6.779	mg/L
	Cd	111	889.762	0.002	0.000341	0.000	7.895	mg/L
	Cd	114	1332.434	0.003	0.000219	0.000	2.439	mg/L
	Tl	203	1599.195	0.004	0.000173	0.000	3.324	mg/L
	Tl	205	3849.075	0.009	0.000183	0.000	2.569	mg/L
	Pb	208	1772945.139	4.445	0.060513	0.001	1.875	mg/L
>	Bi	209	398850.120	398850.120				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	91.656
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.272
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	95.515
	Ag	106.905	

: 00991

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

92.892

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	482398.980	482398.980		mg/L
Be	9	166.004	0.000	0.000631	mg/L
V	51	77993.910	0.203	0.008547	mg/L
Cr	52	61119.636	0.190	0.007156	mg/L
Cr	53	8952.583	0.022	0.008849	mg/L
Co	59	28112.494	0.077	0.002243	mg/L
Cu	63	142217.256	0.389	0.023324	mg/L
Cu	65	67826.171	0.186	0.023128	mg/L
Zn	66	99822.047	0.273	0.080038	mg/L
Zn	68	71027.099	0.193	0.058707	mg/L
Ge	72	364768.587	364768.587		mg/L
As	75	126707.786	0.347	0.061006	mg/L
Se	77	266.006	0.000	0.000689	mg/L
Se	82	89.973	0.000	0.000434	mg/L
Rh	103	425977.316	425977.316		mg/L
Ag	107	470.020	0.001	0.000040	mg/L
Cd	111	813.115	0.002	0.000310	mg/L
Cd	114	1301.983	0.003	0.000214	mg/L
Tl	203	1684.210	0.004	0.000177	mg/L
Tl	205	3822.081	0.009	0.000179	mg/L
Pb	208	1770077.972	4.356	0.058346	mg/L
Bi	209	405966.181	405966.181		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	472352.898	472352.898		mg/L
Be	9	152.003	0.000	0.000526	mg/L
V	51	76871.027	0.204	0.008584	mg/L
Cr	52	78097.270	0.191	0.007189	mg/L
Cr	53	8782.484	0.022	0.007017	mg/L
Co	59	27881.569	0.077	0.002255	mg/L
Cu	63	141228.923	0.393	0.023584	mg/L
Cu	65	69008.436	0.192	0.023981	mg/L
Zn	66	97470.496	0.271	0.059428	mg/L
Zn	68	72758.421	0.202	0.061250	mg/L
Ge	72	358247.609	358247.609		mg/L
As	75	126580.403	0.353	0.062061	mg/L
Se	77	262.008	0.000	0.000719	mg/L
Se	82	108.070	0.000	0.000525	mg/L
Rh	103	430060.908	430060.908		mg/L
Ag	107	419.018	0.001	0.000035	mg/L
Cd	111	953.299	0.002	0.000360	mg/L
Cd	114	1358.336	0.003	0.000221	mg/L
Tl	203	1530.178	0.004	0.000167	mg/L
Tl	205	3673.081	0.009	0.000183	mg/L
Pb	208	1763700.941	4.450	0.060680	mg/L
Bi	209	398256.498	398256.498		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	472558.742	472558.742		mg/L
Be	9	155.003	0.000	0.000536	mg/L
V	51	74993.837	0.199	0.008417	mg/L
Cr	52	77071.335	0.184	0.006909	mg/L
Cr	53	8669.368	0.022	0.008951	mg/L
Co	59	28056.273	0.078	0.002284	mg/L
Cu	63	141183.029	0.394	0.023624	mg/L
Cu	65	68491.481	0.191	0.023829	mg/L
Zn	66	101429.080	0.283	0.062163	mg/L
Zn	68	71230.108	0.198	0.060076	mg/L
Ge	72	357528.901	357528.901		mg/L
As	75	125431.470	0.350	0.061816	mg/L
Se	77	274.008	0.000	0.000673	mg/L
Se	82	100.749	0.000	0.000492	mg/L
Rh	103	417125.046	417125.046		mg/L
Ag	107	450.018	0.001	0.000039	mg/L
Cd	111	902.871	0.002	0.000352	mg/L
Cd	114	1338.983	0.003	0.000224	mg/L
Tl	203	1603.196	0.004	0.000176	mg/L
Tl	205	3902.106	0.010	0.000188	mg/L
Pb	208	1788056.503	4.526	0.061612	mg/L
Bi	209	394339.700	394339.700		mg/L

: 00992

Sample Information

Sample ID: 1001286-04
Autosampler Position: 40
Sample Date/Time: Thursday, January 28, 2010 11:03:39
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-04.044
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	483722.982	483722.982				mg/L
⌊	Be	9	397.348	0.001	0.001351	0.000	6.905	mg/L
⌈	V	51	182903.237	0.496	0.015968	0.000	0.223	mg/L
|	Cr	52	178554.265	0.463	0.017380	0.000	1.563	mg/L
|	Cr	53	20447.431	0.054	0.017096	0.000	1.224	mg/L
|	Co	59	68246.838	0.189	0.005516	0.000	0.125	mg/L
|	Cu	63	341276.539	0.945	0.056619	0.001	1.131	mg/L
|	Cu	65	164139.240	0.454	0.056618	0.000	0.711	mg/L
|	Zn	66	238155.710	0.659	0.144868	0.002	1.321	mg/L
|	Zn	68	173929.552	0.480	0.145833	0.000	0.288	mg/L
|>	Ge	72	361024.823	361024.823				mg/L
|	As	75	311518.094	0.862	0.151744	0.001	0.384	mg/L
|	Se	77	422.350	0.001	0.001583	0.000	7.058	mg/L
⌊	Se	82	307.675	0.001	0.001434	0.000	4.102	mg/L
⌈>	Rh	103	413388.870	413388.870				mg/L
|	Ag	107	1014.082	0.002	0.000092	0.000	1.090	mg/L
|	Cd	111	2182.211	0.005	0.000860	0.000	2.579	mg/L
⌊	Cd	114	3107.368	0.007	0.000527	0.000	0.275	mg/L
⌈	Tl	203	3811.055	0.010	0.000430	0.000	2.250	mg/L
|	Tl	205	9245.739	0.023	0.000458	0.000	2.248	mg/L
|	Pb	208	4259628.737	10.890	0.148270	0.002	1.075	mg/L
⌊>	Bi	209	391135.095	391135.095				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.188
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.500
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	93.040
|	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

91.095

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	489398.136	489398.136		mg/L
Be	9	376.014	0.001	0.001262	mg/L
V	51	184288.887	0.498	0.016008	mg/L
Cr	52	178182.317	0.458	0.017245	mg/L
Cr	53	20288.977	0.054	0.016888	mg/L
Co	59	68656.051	0.189	0.006521	mg/L
Cu	63	343201.003	0.948	0.056650	mg/L
Cu	65	164912.537	0.454	0.056566	mg/L
Zn	66	241248.783	0.664	0.146011	mg/L
Zn	68	174928.774	0.481	0.145928	mg/L
Ge	72	362857.842	362857.842		mg/L
As	75	313041.908	0.862	0.151715	mg/L
Se	77	414.016	0.001	0.001517	mg/L
Se	82	311.106	0.001	0.001442	mg/L
Rh	103	418651.599	418651.599		mg/L
Ag	107	1015.082	0.002	0.000090	mg/L
Cd	111	2145.401	0.006	0.000835	mg/L
Cd	114	3139.506	0.007	0.000826	mg/L
Tl	203	3810.054	0.009	0.000422	mg/L
Tl	205	9199.012	0.023	0.000447	mg/L
Pb	208	4308810.221	10.829	0.147430	mg/L
Bi	209	397844.279	397844.279		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	489640.961	489640.961		mg/L
Be	9	400.015	0.001	0.001342	mg/L
V	51	182657.536	0.498	0.015964	mg/L
Cr	52	181469.048	0.471	0.017683	mg/L
Cr	53	20650.013	0.056	0.017280	mg/L
Co	59	68248.178	0.189	0.005518	mg/L
Cu	63	337186.497	0.934	0.055963	mg/L
Cu	65	165249.288	0.458	0.057030	mg/L
Zn	66	234411.627	0.648	0.142659	mg/L
Zn	68	173286.739	0.479	0.145373	mg/L
Ge	72	360845.632	360845.632		mg/L
As	75	310200.448	0.859	0.151176	mg/L
Se	77	412.016	0.001	0.001519	mg/L
Se	82	293.853	0.001	0.001371	mg/L
Rh	103	411931.208	411931.208		mg/L
Ag	107	1020.083	0.002	0.000092	mg/L
Cd	111	2215.106	0.006	0.000876	mg/L
Cd	114	3084.542	0.007	0.000827	mg/L
Tl	203	3907.107	0.010	0.000441	mg/L
Tl	205	9247.074	0.023	0.000457	mg/L
Pb	208	4231830.885	10.817	0.147272	mg/L
Bi	209	391175.810	391175.810		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	472128.849	472128.849		mg/L
Be	9	416.016	0.001	0.001448	mg/L
V	51	181765.318	0.498	0.015841	mg/L
Cr	52	176031.431	0.458	0.017202	mg/L
Cr	53	20403.303	0.056	0.017138	mg/L
Co	59	67837.286	0.188	0.005508	mg/L
Cu	63	343462.118	0.956	0.057243	mg/L
Cu	65	162258.794	0.451	0.056228	mg/L
Zn	66	236808.719	0.664	0.145935	mg/L
Zn	68	173568.142	0.482	0.146198	mg/L
Ge	72	359370.994	359370.994		mg/L
As	75	311311.923	0.865	0.152341	mg/L
Se	77	441.018	0.001	0.001712	mg/L
Se	82	318.066	0.001	0.001488	mg/L
Rh	103	409583.803	409583.803		mg/L
Ag	107	1007.081	0.002	0.000092	mg/L
Cd	111	2168.125	0.006	0.000870	mg/L
Cd	114	3088.054	0.008	0.000529	mg/L
Tl	203	3716.004	0.010	0.000427	mg/L
Tl	205	9291.132	0.024	0.000468	mg/L
Pb	208	4238446.106	11.025	0.150108	mg/L
Bi	209	384386.395	384386.395		mg/L

: 00994

Sample Information

Sample ID: 1001286-06
Autosampler Position: 41
Sample Date/Time: Thursday, January 28, 2010 11:07:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-06.045
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	486679.114	486679.114				mg/L
	Be	9	26.000	0.000	0.000084	0.000	21.370	mg/L
	V	51	33251.347	0.082	0.002650	0.000	0.579	mg/L
	Cr	52	41906.339	0.085	0.003189	0.000	2.063	mg/L
	Cr	53	4469.777	0.010	0.003234	0.000	3.326	mg/L
	Co	59	9843.543	0.027	0.000792	0.000	1.154	mg/L
	Cu	63	24785.177	0.068	0.004093	0.000	1.426	mg/L
	Cu	65	12015.885	0.033	0.004128	0.000	1.569	mg/L
	Zn	66	88400.645	0.245	0.053978	0.001	1.411	mg/L
	Zn	68	66312.808	0.184	0.055708	0.001	2.370	mg/L
>	Ge	72	358790.169	358790.169				mg/L
	As	75	3085.189	0.008	0.001378	0.000	3.014	mg/L
	Se	77	197.338	0.000	0.000185	0.000	34.399	mg/L
	Se	82	-23.025	-0.000	-0.000079	0.000	127.089	mg/L
>	Rh	103	424785.514	424785.514				mg/L
	Ag	107	167.670	0.000	0.000013	0.000	1.643	mg/L
	Cd	111	1757.097	0.004	0.000674	0.000	0.608	mg/L
	Cd	114	3924.408	0.009	0.000649	0.000	1.171	mg/L
	Tl	203	285.009	0.001	0.000026	0.000	10.124	mg/L
	Tl	205	668.705	0.001	0.000027	0.000	8.561	mg/L
	Pb	208	1213512.105	3.086	0.042016	0.001	1.907	mg/L
>	Bi	209	393145.035	393145.035				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.758
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.896
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	95.605
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

91.563

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	487137.138	487137.138		mg/L
Be	9	30.000	0.000	0.000087	mg/L
V	51	33083.789	0.062	0.002632	mg/L
Cr	52	41259.231	0.083	0.003117	mg/L
Cr	53	4562.502	0.011	0.003312	mg/L
Co	59	9804.823	0.027	0.000788	mg/L
Cu	63	24493.187	0.087	0.004041	mg/L
Cu	65	12012.212	0.033	0.004122	mg/L
Zn	66	87046.032	0.241	0.053066	mg/L
Zn	68	64736.680	0.179	0.054321	mg/L
Ge	72	359110.381	359110.381		mg/L
As	75	3183.206	0.008	0.001425	mg/L
Se	77	198.008	0.000	0.000188	mg/L
Se	82	2.000	0.000	0.000036	mg/L
Rh	103	426298.688	426298.688		mg/L
Ag	107	167.004	0.000	0.000013	mg/L
Cd	111	1764.843	0.004	0.000874	mg/L
Cd	114	3908.811	0.009	0.000644	mg/L
Tl	203	264.008	0.001	0.000023	mg/L
Tl	205	629.034	0.001	0.000025	mg/L
Pb	208	1215030.076	3.034	0.041312	mg/L
Bi	209	400242.890	400242.890		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	488768.211	488768.211		mg/L
Be	9	20.000	0.000	0.000083	mg/L
V	51	33703.752	0.063	0.002680	mg/L
Cr	52	42479.384	0.086	0.003203	mg/L
Cr	53	4588.505	0.010	0.003278	mg/L
Co	59	9864.908	0.027	0.000788	mg/L
Cu	63	24981.660	0.068	0.004083	mg/L
Cu	65	11981.126	0.033	0.004068	mg/L
Zn	66	90013.613	0.247	0.054404	mg/L
Zn	68	67175.084	0.184	0.055853	mg/L
Ge	72	362487.739	362487.739		mg/L
As	75	3087.484	0.008	0.001364	mg/L
Se	77	189.004	0.000	0.000120	mg/L
Se	82	33.983	-0.000	0.000127	mg/L
Rh	103	427087.630	427087.630		mg/L
Ag	107	167.004	0.000	0.000013	mg/L
Cd	111	1776.348	0.004	0.000877	mg/L
Cd	114	3922.492	0.009	0.000646	mg/L
Tl	203	292.009	0.001	0.000027	mg/L
Tl	205	711.042	0.002	0.000030	mg/L
Pb	208	1209830.904	3.074	0.041847	mg/L
Bi	209	393378.821	393378.821		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	486131.984	486131.984		mg/L
Be	9	28.000	0.000	0.000081	mg/L
V	51	32986.502	0.063	0.002658	mg/L
Cr	52	41980.422	0.088	0.003248	mg/L
Cr	53	4280.325	0.010	0.003111	mg/L
Co	59	9880.900	0.027	0.000803	mg/L
Cu	63	24880.508	0.069	0.004158	mg/L
Cu	65	12074.317	0.034	0.004195	mg/L
Zn	66	88143.389	0.248	0.054432	mg/L
Zn	68	67026.879	0.188	0.056960	mg/L
Ge	72	354772.407	354772.407		mg/L
As	75	2984.874	0.008	0.001348	mg/L
Se	77	206.005	0.000	0.000247	mg/L
Se	82	-37.112	0.000	0.000145	mg/L
Rh	103	420990.245	420990.245		mg/L
Ag	107	169.004	0.000	0.000014	mg/L
Cd	111	1730.101	0.004	0.000868	mg/L
Cd	114	3841.922	0.009	0.000687	mg/L
Tl	203	269.009	0.001	0.000029	mg/L
Tl	205	664.038	0.001	0.000028	mg/L
Pb	208	1215875.335	3.150	0.042886	mg/L
Bi	209	385813.392	385813.392		mg/L

: 00996

Sample Information

Sample ID: 1001286-08
Autosampler Position: 42
Sample Date/Time: Thursday, January 28, 2010 11:10:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-08.046
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	480728.149	480728.149				mg/L
	Be	9	619.366	0.001	0.002119	0.000	2.989	mg/L
	V	51	145380.646	0.399	0.012828	0.000	1.106	mg/L
	Cr	52	58374.821	0.132	0.004971	0.000	0.774	mg/L
	Cr	53	6257.803	0.015	0.004851	0.000	2.511	mg/L
	Co	59	41636.414	0.117	0.003415	0.000	1.375	mg/L
	Cu	63	88836.934	0.249	0.014938	0.000	1.393	mg/L
	Cu	65	43083.337	0.121	0.015063	0.000	2.045	mg/L
	Zn	66	36603.919	0.102	0.022443	0.000	0.745	mg/L
	Zn	68	37685.869	0.105	0.031796	0.001	2.089	mg/L
>	Ge	72	355400.295	355400.295				mg/L
	As	75	25912.230	0.072	0.012699	0.000	0.933	mg/L
	Se	77	286.342	0.000	0.000762	0.000	12.120	mg/L
	Se	82	74.560	0.000	0.000374	0.000	40.844	mg/L
>	Rh	103	415808.359	415808.359				mg/L
	Ag	107	382.014	0.001	0.000033	0.000	4.128	mg/L
	Cd	111	1008.329	0.002	0.000394	0.000	2.407	mg/L
	Cd	114	1016.751	0.002	0.000171	0.000	1.053	mg/L
	Tl	203	1412.487	0.003	0.000154	0.000	5.961	mg/L
	Tl	205	3536.244	0.009	0.000169	0.000	3.779	mg/L
	Pb	208	1937721.342	4.892	0.066607	0.000	0.728	mg/L
>	Bi	209	396008.221	396008.221				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	92.611
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	95.981
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	93.585
	Ag	106.905	

: 00997

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

92.230

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	477086 238	477086 238		mg/L
Be	9	835 036	0 001	0 002189	mg/L
V	51	147982 782	0 402	0 012920	mg/L
Cr	52	58589 886	0 131	0 004927	mg/L
Cr	53	6170 728	0 016	0 004714	mg/L
Co	59	41540 858	0 116	0 003370	mg/L
Cu	63	89444 436	0 248	0 014876	mg/L
Cu	65	42682 462	0 118	0 014753	mg/L
Zn	66	36590 357	0 101	0 022251	mg/L
Zn	68	37561 878	0 103	0 031338	mg/L
Ge	72	359281 663	359281 663		mg/L
As	75	26036 808	0 072	0 012620	mg/L
Se	77	273 008	0 000	0 000858	mg/L
Se	82	82 886	0 000	0 000408	mg/L
Rh	103	416848 586	416848 586		mg/L
Ag	107	390 015	0 001	0 000034	mg/L
Cd	111	980 448	0 002	0 000386	mg/L
Cd	114	1027 276	0 002	0 000172	mg/L
Tl	203	1356 142	0 003	0 000144	mg/L
Tl	205	3477 881	0 008	0 000163	mg/L
Pb	208	1963323 484	4 858	0 086148	mg/L
Bi	209	403986 077	403986 077		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	478336 098	478336 098		mg/L
Be	9	801 031	0 001	0 002066	mg/L
V	51	141709 393	0 394	0 012866	mg/L
Cr	52	57826 707	0 133	0 004993	mg/L
Cr	53	6266 828	0 016	0 004948	mg/L
Co	59	41686 701	0 118	0 003483	mg/L
Cu	63	89064 598	0 253	0 015170	mg/L
Cu	65	42541 734	0 121	0 015067	mg/L
Zn	66	36271 221	0 102	0 022530	mg/L
Zn	68	38085 648	0 107	0 032568	mg/L
Ge	72	350808 618	350808 618		mg/L
As	75	25850 708	0 073	0 012636	mg/L
Se	77	284 009	0 000	0 000834	mg/L
Se	82	101 984	0 000	0 000507	mg/L
Rh	103	417238 388	417238 388		mg/L
Ag	107	356 013	0 001	0 000032	mg/L
Cd	111	1038 596	0 002	0 000405	mg/L
Cd	114	1008 164	0 002	0 000169	mg/L
Tl	203	1482 189	0 004	0 000182	mg/L
Tl	205	3648 958	0 009	0 000176	mg/L
Pb	208	1926681 628	4 889	0 086856	mg/L
Bi	209	394008 186	394008 186		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	486782 112	486782 112		mg/L
Be	9	822 033	0 001	0 002102	mg/L
V	51	146449 784	0 401	0 012900	mg/L
Cr	52	58707 880	0 133	0 004994	mg/L
Cr	53	6316 854	0 016	0 004880	mg/L
Co	59	41682 883	0 117	0 003411	mg/L
Cu	63	88011 780	0 246	0 014787	mg/L
Cu	65	44045 824	0 123	0 015369	mg/L
Zn	66	36850 178	0 103	0 022549	mg/L
Zn	68	37410 083	0 104	0 031481	mg/L
Ge	72	356110 805	356110 805		mg/L
As	75	25860 174	0 072	0 012641	mg/L
Se	77	292 009	0 000	0 000793	mg/L
Se	82	38 630	0 000	0 000207	mg/L
Rh	103	413338 108	413338 108		mg/L
Ag	107	390 015	0 001	0 000034	mg/L
Cd	111	995 944	0 002	0 000392	mg/L
Cd	114	1014 611	0 002	0 000171	mg/L
Tl	203	1400 151	0 003	0 000154	mg/L
Tl	205	3481 883	0 008	0 000169	mg/L
Pb	208	1923158 913	4 929	0 087114	mg/L
Bi	209	390029 400	390029 400		mg/L

: 20998

Sample Information

Sample ID: 1001286-09
Autosampler Position: 43
Sample Date/Time: Thursday, January 28, 2010 11:13:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-09.047
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	491937.075	491937.075				mg/L
	Be	9	631.368	0.001	0.002111	0.000	0.607	mg/L
	V	51	181866.272	0.508	0.016330	0.000	0.385	mg/L
	Cr	52	59469.816	0.137	0.005162	0.000	0.435	mg/L
	Cr	53	6377.576	0.016	0.005023	0.000	0.853	mg/L
	Co	59	47700.892	0.135	0.003960	0.000	1.263	mg/L
	Cu	63	107385.932	0.305	0.018282	0.000	0.734	mg/L
	Cu	65	51875.208	0.147	0.018364	0.000	0.657	mg/L
	Zn	66	38887.295	0.110	0.024143	0.000	0.250	mg/L
	Zn	68	41251.227	0.116	0.035259	0.001	2.657	mg/L
>	Ge	72	351197.643	351197.643				mg/L
	As	75	29493.285	0.083	0.014646	0.000	1.479	mg/L
	Se	77	284.675	0.000	0.000772	0.000	14.681	mg/L
	Se	82	73.794	0.000	0.000374	0.000	2.662	mg/L
>	Rh	103	412691.402	412691.402				mg/L
	Ag	107	421.350	0.001	0.000037	0.000	4.981	mg/L
	Cd	111	1132.511	0.003	0.000446	0.000	6.145	mg/L
	Cd	114	1183.286	0.003	0.000200	0.000	1.897	mg/L
	Tl	203	1695.218	0.004	0.000186	0.000	2.669	mg/L
	Tl	205	4051.189	0.010	0.000195	0.000	3.045	mg/L
	Pb	208	2459943.380	6.219	0.084668	0.001	1.048	mg/L
>	Bi	209	395542.720	395542.720				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.771
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	94.846
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	92.883
	Ag	106.905	

: 00999

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

92.122

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	498745.278	498745.278		mg/L
Be	9	640.035	0.001	0.002119	mg/L
V	51	181904.407	0.507	0.016328	mg/L
Cr	52	58439.851	0.137	0.006158	mg/L
Cr	53	6402.933	0.016	0.005043	mg/L
Co	59	47503.913	0.135	0.003942	mg/L
Cu	63	107405.557	0.308	0.016276	mg/L
Cu	65	51866.142	0.147	0.016351	mg/L
Zn	66	38946.288	0.110	0.024170	mg/L
Zn	68	42249.001	0.119	0.036102	mg/L
Ge	72	351363.942	351363.942		mg/L
As	75	29975.426	0.085	0.014881	mg/L
Se	77	275.008	0.000	0.000709	mg/L
Se	82	74.716	0.000	0.000378	mg/L
Rh	103	416282.982	416282.982		mg/L
Ag	107	413.016	0.001	0.000038	mg/L
Cd	111	1081.926	0.003	0.000416	mg/L
Cd	114	1197.008	0.003	0.000201	mg/L
Tl	203	1694.218	0.004	0.000181	mg/L
Tl	205	4031.178	0.010	0.000189	mg/L
Pb	208	2490722.571	6.147	0.083893	mg/L
Bi	209	405094.283	405094.283		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	488837.618	488837.618		mg/L
Be	9	629.034	0.001	0.002117	mg/L
V	51	181278.583	0.510	0.016366	mg/L
Cr	52	58873.214	0.137	0.006143	mg/L
Cr	53	6364.898	0.016	0.005053	mg/L
Co	59	48038.478	0.137	0.004017	mg/L
Cu	63	107418.788	0.307	0.018419	mg/L
Cu	65	51880.099	0.148	0.018480	mg/L
Zn	66	38499.882	0.109	0.024074	mg/L
Zn	68	41150.808	0.117	0.035426	mg/L
Ge	72	348690.573	348690.573		mg/L
As	75	29201.745	0.083	0.014608	mg/L
Se	77	272.008	0.000	0.000703	mg/L
Se	82	70.856	0.000	0.000383	mg/L
Rh	103	406798.042	406798.042		mg/L
Ag	107	404.015	0.001	0.000036	mg/L
Cd	111	1154.587	0.003	0.000462	mg/L
Cd	114	1188.684	0.003	0.000204	mg/L
Tl	203	1730.227	0.004	0.000181	mg/L
Tl	205	4148.246	0.010	0.000201	mg/L
Pb	208	2450497.370	6.234	0.084881	mg/L
Bi	209	392978.557	392978.557		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	490428.328	490428.328		mg/L
Be	9	625.034	0.001	0.002066	mg/L
V	51	182418.826	0.508	0.016269	mg/L
Cr	52	60100.383	0.138	0.006187	mg/L
Cr	53	6364.898	0.016	0.004974	mg/L
Co	59	47560.287	0.134	0.003922	mg/L
Cu	63	107332.470	0.303	0.018151	mg/L
Cu	65	51699.383	0.146	0.018250	mg/L
Zn	66	39213.737	0.110	0.024185	mg/L
Zn	68	40354.073	0.113	0.034251	mg/L
Ge	72	353538.414	353538.414		mg/L
As	75	29302.682	0.082	0.014453	mg/L
Se	77	307.010	0.000	0.000803	mg/L
Se	82	75.810	0.000	0.000381	mg/L
Rh	103	414996.182	414996.182		mg/L
Ag	107	447.018	0.001	0.000038	mg/L
Cd	111	1180.921	0.003	0.000463	mg/L
Cd	114	1158.162	0.003	0.000198	mg/L
Tl	203	1661.210	0.004	0.000168	mg/L
Tl	205	3974.145	0.010	0.000195	mg/L
Pb	208	2438610.198	6.275	0.085430	mg/L
Bi	209	388557.320	388557.320		mg/L

: 01000

Sample Information

Sample ID: 1001286-13
Autosampler Position: 44
Sample Date/Time: Thursday, January 28, 2010 11:17:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-13.048
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	475897.885	475897.885				mg/L
	Be	9	50.001	0.000	0.000169	0.000	13.059	mg/L
	V	51	62765.496	0.168	0.005394	0.000	2.276	mg/L
	Cr	52	102998.660	0.260	0.009771	0.000	1.072	mg/L
	Cr	53	11607.541	0.031	0.009650	0.000	0.903	mg/L
	Co	59	21323.997	0.060	0.001757	0.000	1.515	mg/L
	Cu	63	45198.025	0.127	0.007635	0.000	2.461	mg/L
	Cu	65	22015.095	0.062	0.007732	0.000	0.160	mg/L
	Zn	66	35657.140	0.100	0.022026	0.000	1.743	mg/L
	Zn	68	27033.682	0.075	0.022872	0.001	3.121	mg/L
>	Ge	72	352718.337	352718.337				mg/L
	As	75	5716.117	0.015	0.002717	0.000	1.555	mg/L
	Se	77	201.005	0.000	0.000230	0.000	92.871	mg/L
	Se	82	23.064	0.000	0.000136	0.000	109.022	mg/L
>	Rh	103	411329.029	411329.029				mg/L
	Ag	107	306.343	0.001	0.000027	0.000	6.796	mg/L
	Cd	111	441.313	0.001	0.000174	0.000	11.745	mg/L
	Cd	114	506.960	0.001	0.000085	0.000	3.647	mg/L
	Tl	203	392.348	0.001	0.000038	0.000	4.606	mg/L
	Tl	205	902.066	0.002	0.000039	0.000	1.422	mg/L
	Pb	208	1216210.837	3.088	0.042050	0.001	1.454	mg/L
>	Bi	209	393659.453	393659.453	———			mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	91.681
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	95.256
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	92.576
	Ag	106.905	

: 01001

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

91.683

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	465720.888	465720.888		mg/L
Be	9	54.001	0.000	0.000187	mg/L
V	51	82582.331	0.168	0.005348	mg/L
Cr	52	102540.788	0.257	0.009883	mg/L
Cr	53	11694.683	0.031	0.009873	mg/L
Co	59	21108.348	0.059	0.001730	mg/L
Cu	63	44875.976	0.129	0.007538	mg/L
Cu	65	22094.339	0.062	0.007719	mg/L
Zn	66	35641.054	0.100	0.021998	mg/L
Zn	68	26438.102	0.073	0.022235	mg/L
Ge	72	354811.713	354811.713		mg/L
As	75	5658.388	0.015	0.002673	mg/L
Se	77	184.004	-0.000	-0.000013	mg/L
Se	82	27.213	0.000	0.000184	mg/L
Rh	103	407337.642	407337.642		mg/L
Ag	107	318.010	0.001	0.000029	mg/L
Cd	111	386.586	0.001	0.000153	mg/L
Cd	114	520.416	0.001	0.000088	mg/L
Tl	203	399.015	0.001	0.000040	mg/L
Tl	205	900.086	0.002	0.000040	mg/L
Pb	208	1218500.318	3.140	0.042758	mg/L
Bi	209	387847.240	387847.240		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	487710.342	487710.342		mg/L
Be	9	44.001	0.000	0.000144	mg/L
V	51	83704.483	0.172	0.006633	mg/L
Cr	52	102993.240	0.263	0.009873	mg/L
Cr	53	11392.191	0.030	0.009684	mg/L
Co	59	21434.328	0.061	0.001783	mg/L
Cu	63	46048.401	0.131	0.007861	mg/L
Cu	65	21820.498	0.062	0.007738	mg/L
Zn	66	36015.931	0.102	0.022458	mg/L
Zn	68	27874.785	0.078	0.023644	mg/L
Ge	72	349443.048	349443.048		mg/L
As	75	5743.098	0.016	0.002757	mg/L
Se	77	224.008	0.000	0.000380	mg/L
Se	82	52.207	0.000	0.000274	mg/L
Rh	103	419382.677	419382.677		mg/L
Ag	107	290.009	0.001	0.000025	mg/L
Cd	111	451.178	0.001	0.000174	mg/L
Cd	114	498.741	0.001	0.000082	mg/L
Tl	203	401.015	0.001	0.000039	mg/L
Tl	205	910.087	0.002	0.000039	mg/L
Pb	208	1215842.958	3.061	0.041674	mg/L
Bi	209	397388.707	397388.707		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	474262.428	474262.428		mg/L
Be	9	52.001	0.000	0.000178	mg/L
V	51	82009.868	0.168	0.006302	mg/L
Cr	52	103461.946	0.260	0.009777	mg/L
Cr	53	11735.750	0.031	0.009724	mg/L
Co	59	21431.317	0.060	0.001758	mg/L
Cu	63	44671.699	0.125	0.007515	mg/L
Cu	65	22130.457	0.062	0.007743	mg/L
Zn	66	35314.435	0.099	0.021725	mg/L
Zn	68	26988.158	0.075	0.022739	mg/L
Ge	72	354100.249	354100.249		mg/L
As	75	5746.887	0.015	0.002721	mg/L
Se	77	215.006	0.000	0.000314	mg/L
Se	82	10.228	0.000	0.000020	mg/L
Rh	103	407266.768	407266.768		mg/L
Ag	107	310.010	0.001	0.000027	mg/L
Cd	111	467.198	0.001	0.000194	mg/L
Cd	114	501.723	0.001	0.000088	mg/L
Tl	203	377.014	0.001	0.000036	mg/L
Tl	205	896.085	0.002	0.000038	mg/L
Pb	208	1213289.234	3.064	0.041720	mg/L
Bi	209	395765.412	395765.412		mg/L

: 01002

Sample Information

Sample ID: 1001286-13
Autosampler Position: 45
Sample Date/Time: Thursday, January 28, 2010 11:20:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-13.049
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	486823.178	486823.178				mg/L
	Be	9	114.335	0.000	0.000383	0.000	10.902	mg/L
	V	51	151732.560	0.425	0.013664	0.000	1.548	mg/L
	Cr	52	238672.043	0.652	0.024505	0.000	0.862	mg/L
	Cr	53	27981.317	0.078	0.024495	0.000	1.094	mg/L
	Co	59	52370.482	0.150	0.004379	0.000	0.866	mg/L
	Cu	63	108252.231	0.310	0.018556	0.000	0.565	mg/L
	Cu	65	52926.562	0.151	0.018865	0.000	0.875	mg/L
	Zn	66	83780.313	0.239	0.052618	0.000	0.821	mg/L
	Zn	68	63289.785	0.180	0.054680	0.000	0.434	mg/L
>	Ge	72	348800.166	348800.166				mg/L
	As	75	13153.279	0.037	0.006502	0.000	1.163	mg/L
	Se	77	268.674	0.000	0.000682	0.000	15.848	mg/L
	Se	82	52.933	0.000	0.000278	0.000	55.358	mg/L
>	Rh	103	399148.020	399148.020				mg/L
	Ag	107	713.710	0.002	0.000066	0.000	9.886	mg/L
	Cd	111	1065.961	0.003	0.000434	0.000	4.074	mg/L
	Cd	114	1149.564	0.003	0.000201	0.000	4.487	mg/L
	Tl	203	880.063	0.002	0.000095	0.000	4.735	mg/L
	Tl	205	2079.657	0.005	0.000099	0.000	1.461	mg/L
	Pb	208	2999645.332	7.709	0.104960	0.001	1.156	mg/L
>	Bi	209	389053.323	389053.323				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.786
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	94.198
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	89.835
	Ag	106.905	

: 01003

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

90.610

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	483697.765	483697.765		mg/L
Be	9	124.002	0.000	0.000418	mg/L
V	51	154487.484	0.430	0.013849	mg/L
Cr	52	241820.646	0.658	0.024717	mg/L
Cr	53	28081.371	0.078	0.024461	mg/L
Co	59	52470.539	0.149	0.004388	mg/L
Cu	63	108901.875	0.310	0.018576	mg/L
Cu	65	52811.037	0.150	0.018732	mg/L
Zn	66	83408.973	0.237	0.052124	mg/L
Zn	68	63308.938	0.179	0.054425	mg/L
Ge	72	350615.747	350615.747		mg/L
As	75	13378.631	0.037	0.008462	mg/L
Se	77	257.007	0.000	0.000686	mg/L
Se	82	15.878	0.000	0.000102	mg/L
Rh	103	403439.438	403439.438		mg/L
Ag	107	671.038	0.002	0.000087	mg/L
Cd	111	1027.200	0.003	0.000414	mg/L
Cd	114	1156.924	0.003	0.000200	mg/L
Tl	203	859.080	0.002	0.000087	mg/L
Tl	205	2119.338	0.005	0.000100	mg/L
Pb	208	2984835.117	7.605	0.103849	mg/L
Bi	209	392382.118	392382.118		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	498237.003	498237.003		mg/L
Be	9	170.002	0.000	0.000393	mg/L
V	51	148778.111	0.418	0.013433	mg/L
Cr	52	238004.838	0.647	0.024298	mg/L
Cr	53	27820.575	0.077	0.024248	mg/L
Co	59	52722.388	0.151	0.004422	mg/L
Cu	63	108488.449	0.311	0.018650	mg/L
Cu	65	52827.880	0.151	0.018818	mg/L
Zn	66	84014.032	0.241	0.052923	mg/L
Zn	68	63345.274	0.181	0.054894	mg/L
Ge	72	347753.499	347753.499		mg/L
As	75	13095.048	0.037	0.008482	mg/L
Se	77	262.007	0.000	0.000843	mg/L
Se	82	67.052	0.000	0.000345	mg/L
Rh	103	399793.751	399793.751		mg/L
Ag	107	687.040	0.002	0.000084	mg/L
Cd	111	1094.429	0.003	0.000445	mg/L
Cd	114	1103.205	0.003	0.000193	mg/L
Tl	203	934.070	0.002	0.000100	mg/L
Tl	205	2068.320	0.005	0.000097	mg/L
Pb	208	3051087.776	7.781	0.105688	mg/L
Bi	209	393052.574	393052.574		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	478534.787	478534.787		mg/L
Be	9	99.002	0.000	0.000337	mg/L
V	51	151932.086	0.426	0.013710	mg/L
Cr	52	238180.647	0.652	0.024503	mg/L
Cr	53	28242.004	0.078	0.024778	mg/L
Co	59	51918.521	0.149	0.004349	mg/L
Cu	63	107388.270	0.308	0.018443	mg/L
Cu	65	53340.958	0.153	0.019050	mg/L
Zn	66	83919.934	0.240	0.052808	mg/L
Zn	68	63217.145	0.180	0.054722	mg/L
Ge	72	348131.252	348131.252		mg/L
As	75	12988.158	0.037	0.008431	mg/L
Se	77	287.009	0.000	0.000803	mg/L
Se	82	75.672	0.000	0.000387	mg/L
Rh	103	394210.872	394210.872		mg/L
Ag	107	783.051	0.002	0.000074	mg/L
Cd	111	1076.244	0.003	0.000444	mg/L
Cd	114	1188.584	0.003	0.000211	mg/L
Tl	203	847.058	0.002	0.000093	mg/L
Tl	205	2051.315	0.005	0.000098	mg/L
Pb	208	2982813.104	7.780	0.105654	mg/L
Bi	209	381745.280	381745.280		mg/L

Sample Information

Sample ID: 1001286-15
Autosampler Position: 46
Sample Date/Time: Thursday, January 28, 2010 11:23:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-15.050
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	479239.916	479239.916				mg/L
⌊	Be	9	131.003	0.000	0.000446	0.000	1.658	mg/L
⌈	V	51	222022.968	0.616	0.019804	0.000	1.593	mg/L
|	Cr	52	205878.621	0.548	0.020601	0.000	1.522	mg/L
|	Cr	53	23924.239	0.065	0.020482	0.000	0.669	mg/L
|	Co	59	75369.993	0.212	0.006200	0.000	0.944	mg/L
|	Cu	63	136545.459	0.384	0.023024	0.000	0.943	mg/L
|	Cu	65	66593.018	0.187	0.023349	0.000	2.028	mg/L
|	Zn	66	132046.026	0.371	0.081643	0.000	0.310	mg/L
|	Zn	68	97363.763	0.273	0.082906	0.001	1.660	mg/L
|>	Ge	72	354796.670	354796.670				mg/L
|	As	75	17373.325	0.048	0.008484	0.000	0.935	mg/L
|	Se	77	272.008	0.000	0.000673	0.000	3.815	mg/L
⌊	Se	82	43.237	0.000	0.000228	0.000	28.202	mg/L
⌈>	Rh	103	408410.689	408410.689				mg/L
|	Ag	107	766.382	0.002	0.000070	0.000	4.532	mg/L
|	Cd	111	1097.399	0.003	0.000437	0.000	4.068	mg/L
⌊	Cd	114	1025.986	0.002	0.000175	0.000	4.281	mg/L
⌈	Tl	203	991.079	0.002	0.000106	0.000	5.737	mg/L
|	Tl	205	2319.400	0.006	0.000109	0.000	2.302	mg/L
|	Pb	208	1783962.662	4.523	0.061575	0.000	0.592	mg/L
⌊>	Bi	209	394348.280	394348.280				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	92.325
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	95.818
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	91.920
|	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

91.843

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	480483.289	480483.289		mg/L
Be	9	133.003	0.000	0.000452	mg/L
V	51	223500.405	0.428	0.020134	mg/L
Cr	52	207111.802	0.568	0.020844	mg/L
Cr	53	23744.638	0.066	0.020528	mg/L
Co	59	74847.856	0.213	0.006217	mg/L
Cu	63	136687.808	0.388	0.023273	mg/L
Cu	65	67450.646	0.192	0.023880	mg/L
Zn	66	131231.853	0.373	0.081834	mg/L
Zn	68	97627.622	0.277	0.083842	mg/L
Ge	72	351358.543	351358.543		mg/L
As	75	17379.280	0.049	0.008671	mg/L
Se	77	274.008	0.000	0.000703	mg/L
Se	82	46.815	0.000	0.000247	mg/L
Rh	103	414343.954	414343.954		mg/L
Ag	107	740.046	0.002	0.000066	mg/L
Cd	111	1063.878	0.003	0.000417	mg/L
Cd	114	1004.108	0.002	0.000188	mg/L
Tl	203	940.071	0.002	0.000099	mg/L
Tl	205	2338.406	0.006	0.000109	mg/L
Pb	208	1801281.751	4.517	0.081498	mg/L
Bi	209	398882.043	398882.043		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	480087.803	480087.803		mg/L
Be	9	132.003	0.000	0.000449	mg/L
V	51	220478.951	0.508	0.019508	mg/L
Cr	52	204935.337	0.541	0.020330	mg/L
Cr	53	23937.281	0.068	0.020328	mg/L
Co	59	75187.185	0.210	0.006134	mg/L
Cu	63	136734.683	0.382	0.022874	mg/L
Cu	65	66684.495	0.186	0.023198	mg/L
Zn	66	132895.201	0.371	0.081526	mg/L
Zn	68	96297.738	0.268	0.081344	mg/L
Ge	72	357586.688	357586.688		mg/L
As	75	17371.784	0.048	0.008415	mg/L
Se	77	272.008	0.000	0.000680	mg/L
Se	82	53.027	0.000	0.000281	mg/L
Rh	103	403818.621	403818.621		mg/L
Ag	107	765.049	0.002	0.000070	mg/L
Cd	111	1121.748	0.003	0.000452	mg/L
Cd	114	1061.662	0.003	0.000184	mg/L
Tl	203	1015.082	0.002	0.000108	mg/L
Tl	205	2372.418	0.006	0.000112	mg/L
Pb	208	1774518.126	4.499	0.081254	mg/L
Bi	209	394300.629	394300.629		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	477138.856	477138.856		mg/L
Be	9	126.002	0.000	0.000438	mg/L
V	51	222089.548	0.514	0.019771	mg/L
Cr	52	205588.723	0.548	0.020529	mg/L
Cr	53	24090.798	0.068	0.020680	mg/L
Co	59	76084.940	0.214	0.006248	mg/L
Cu	63	136213.879	0.382	0.022824	mg/L
Cu	65	65643.912	0.184	0.022971	mg/L
Zn	66	132011.022	0.370	0.081471	mg/L
Zn	68	98186.930	0.275	0.083431	mg/L
Ge	72	355447.778	355447.778		mg/L
As	75	17366.922	0.048	0.008466	mg/L
Se	77	270.008	0.000	0.000867	mg/L
Se	82	27.868	0.000	0.000157	mg/L
Rh	103	407371.493	407371.493		mg/L
Ag	107	794.062	0.002	0.000072	mg/L
Cd	111	1108.571	0.003	0.000442	mg/L
Cd	114	1012.190	0.002	0.000173	mg/L
Tl	203	1018.063	0.002	0.000111	mg/L
Tl	205	2247.378	0.005	0.000107	mg/L
Pb	208	1776088.109	4.552	0.081972	mg/L
Bi	209	390082.168	390082.168		mg/L

Sample Information

Sample ID: 0A28009-CCV
Autosampler Position: 2
Sample Date/Time: Thursday, January 28, 2010 11:27:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CCV.051
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	449552.769	449552.769				mg/L
⌊	Be	9	10842.332	0.024	0.039743	0.000	1.250	mg/L
⌈	V	51	420063.780	1.168	0.037571	0.001	1.699	mg/L
|	Cr	52	376267.210	1.023	0.038439	0.000	0.063	mg/L
|	Cr	53	44662.998	0.123	0.038623	0.001	1.442	mg/L
|	Co	59	482516.131	1.353	0.039543	0.001	1.419	mg/L
|	Cu	63	240546.519	0.674	0.040390	0.000	0.489	mg/L
|	Cu	65	112691.813	0.316	0.039343	0.000	1.218	mg/L
|	Zn	66	63417.946	0.177	0.038907	0.001	1.823	mg/L
|	Zn	68	47583.797	0.132	0.040109	0.001	1.523	mg/L
|>	Ge	72	356592.222	356592.222				mg/L
|	As	75	81990.522	0.229	0.040335	0.000	0.559	mg/L
|	Se	77	6262.140	0.017	0.038548	0.001	2.310	mg/L
⌊	Se	82	8398.524	0.024	0.038908	0.001	2.541	mg/L
⌈>	Rh	103	422582.723	422582.723				mg/L
|	Ag	107	441544.923	1.045	0.039646	0.001	1.963	mg/L
|	Cd	111	102039.841	0.242	0.039417	0.001	2.959	mg/L
⌊	Cd	114	237775.102	0.563	0.039594	0.001	1.798	mg/L
⌈	Tl	203	353598.085	0.910	0.040713	0.001	1.922	mg/L
|	Tl	205	846447.180	2.177	0.042685	0.001	1.909	mg/L
|	Pb	208	1137478.401	2.925	0.039822	0.000	1.201	mg/L
⌊>	Bi	209	388756.218	388756.218				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	86.605
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.303
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	95.109
|	Ag	106.905	

: 01007

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

90.541

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	445829.702	445829.702		mg/L
Be	9	10802.270	0.024	0.039917	mg/L
V	51	425341.656	1.174	0.037763	mg/L
Cr	52	379154.581	1.024	0.038486	mg/L
Cr	53	44352.717	0.121	0.038082	mg/L
Co	59	468913.677	1.381	0.039772	mg/L
Cu	63	241037.938	0.670	0.040174	mg/L
Cu	65	111983.089	0.311	0.038808	mg/L
Zn	66	63824.517	0.177	0.038868	mg/L
Zn	68	47150.580	0.130	0.039444	mg/L
Ge	72	358231.218	358231.218		mg/L
As	75	83075.786	0.230	0.040670	mg/L
Se	77	6316.766	0.017	0.037969	mg/L
Se	82	8216.422	0.023	0.037780	mg/L
Rh	103	416684.407	416684.407		mg/L
Ag	107	445122.614	1.066	0.040628	mg/L
Cd	111	104075.818	0.250	0.040783	mg/L
Cd	114	238162.726	0.572	0.040212	mg/L
Tl	203	354982.972	0.899	0.040263	mg/L
Tl	205	842335.813	2.134	0.041832	mg/L
Pb	208	1138937.189	2.884	0.039271	mg/L
Bi	209	394675.810	394675.810		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	452800.440	452800.440		mg/L
Be	9	10767.217	0.024	0.038183	mg/L
V	51	413318.639	1.146	0.036869	mg/L
Cr	52	377033.608	1.023	0.038412	mg/L
Cr	53	45416.380	0.126	0.039178	mg/L
Co	59	478033.638	1.331	0.039804	mg/L
Cu	63	242238.458	0.677	0.040562	mg/L
Cu	65	113456.088	0.317	0.039500	mg/L
Zn	66	62478.683	0.174	0.038230	mg/L
Zn	68	48346.547	0.134	0.040648	mg/L
Ge	72	357567.776	357567.776		mg/L
As	75	81778.116	0.228	0.040120	mg/L
Se	77	6210.781	0.017	0.038110	mg/L
Se	82	8510.618	0.024	0.039314	mg/L
Rh	103	421628.283	421628.283		mg/L
Ag	107	434028.074	1.029	0.039054	mg/L
Cd	111	100010.088	0.237	0.038711	mg/L
Cd	114	238238.297	0.566	0.039784	mg/L
Tl	203	349786.311	0.900	0.040268	mg/L
Tl	205	848152.288	2.182	0.042767	mg/L
Pb	208	1146176.542	2.947	0.040128	mg/L
Bi	209	368720.870	368720.870		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	449928.166	449928.166		mg/L
Be	9	10957.508	0.024	0.040130	mg/L
V	51	421530.847	1.184	0.038091	mg/L
Cr	52	372813.433	1.024	0.038456	mg/L
Cr	53	44219.896	0.123	0.038630	mg/L
Co	59	482601.181	1.367	0.039864	mg/L
Cu	63	238363.268	0.674	0.040432	mg/L
Cu	65	112638.258	0.319	0.039725	mg/L
Zn	66	63950.638	0.180	0.039636	mg/L
Zn	68	47254.283	0.133	0.040238	mg/L
Ge	72	352977.672	352977.672		mg/L
As	75	81117.653	0.229	0.040314	mg/L
Se	77	6359.894	0.018	0.039672	mg/L
Se	82	8488.532	0.024	0.039828	mg/L
Rh	103	429435.480	429435.480		mg/L
Ag	107	445483.082	1.037	0.039356	mg/L
Cd	111	102033.617	0.238	0.038777	mg/L
Cd	114	236924.282	0.552	0.038816	mg/L
Tl	203	358034.971	0.930	0.041616	mg/L
Tl	205	848853.741	2.217	0.043486	mg/L
Pb	208	1127321.479	2.943	0.040086	mg/L
Bi	209	382972.274	382972.274		mg/L

Sample Information

Sample ID: 0A28009-CCB
Autosampler Position: 1
Sample Date/Time: Thursday, January 28, 2010 11:30:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CCB.052
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	456984.808	456984.808				mg/L
	Be	9	2.333	0.000	0.000004	0.000	218.021	mg/L
	V	51	3721.911	0.000	0.000003	0.000	437.301	mg/L
	Cr	52	11411.556	-0.000	-0.000000	0.000	2701.147	mg/L
	Cr	53	742.379	-0.000	-0.000023	0.000	157.308	mg/L
	Co	59	118.336	-0.000	-0.000000	0.000	370.189	mg/L
	Cu	63	301.343	0.000	0.000003	0.000	61.810	mg/L
	Cu	65	149.670	0.000	0.000005	0.000	50.456	mg/L
	Zn	66	252.007	-0.000	-0.000054	0.000	11.304	mg/L
	Zn	68	426.017	-0.000	-0.000033	0.000	49.153	mg/L
>	Ge	72	357533.733	357533.733				mg/L
	As	75	389.612	0.000	0.000056	0.000	7.201	mg/L
	Se	77	178.004	0.000	0.000067	0.000	117.076	mg/L
	Se	82	2.141	0.000	0.000037	0.000	278.252	mg/L
>	Rh	103	432421.511	432421.511				mg/L
	Ag	107	211.005	0.000	0.000017	0.000	25.459	mg/L
	Cd	111	6.612	0.000	0.000001	0.000	368.832	mg/L
	Cd	114	22.200	0.000	0.000002	0.000	39.395	mg/L
	Tl	203	81.335	0.000	0.000003	0.000	35.960	mg/L
	Tl	205	196.338	0.000	0.000004	0.000	41.459	mg/L
	Pb	208	849.028	0.001	0.000010	0.000	17.178	mg/L
>	Bi	209	393883.470	393883.470				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	88.037
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.557
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.324
	Ag	106.905	

: 01009

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

91.735

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	460398.909	460398.909		mg/L
Be	9	5.000	0.000	0.000014	mg/L
V	51	3838.460	0.000	0.000016	mg/L
Cr	52	11387.183	0.000	0.000005	mg/L
Cr	53	784.048	0.000	0.000001	mg/L
Co	59	110.002	-0.000	-0.000001	mg/L
Cu	63	303.009	0.000	0.000003	mg/L
Cu	65	152.003	0.000	0.000006	mg/L
Zn	66	259.007	-0.000	-0.000048	mg/L
Zn	68	430.017	-0.000	-0.000027	mg/L
Ge	72	355278.887	355278.887		mg/L
As	75	394.063	0.000	0.000080	mg/L
Se	77	186.004	0.000	0.000126	mg/L
Se	82	-1.887	0.000	0.000019	mg/L
Rh	103	438780.447	438780.447		mg/L
Ag	107	270.008	0.001	0.000022	mg/L
Cd	111	16.387	0.000	0.000005	mg/L
Cd	114	26.843	0.000	0.000002	mg/L
Tl	203	93.002	0.000	0.000004	mg/L
Tl	205	227.008	0.000	0.000006	mg/L
Pb	208	907.032	0.001	0.000012	mg/L
Bi	209	396343.168	396343.168		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	458152.094	458152.094		mg/L
Be	9	2.000	0.000	0.000003	mg/L
V	51	3569.266	-0.000	-0.000010	mg/L
Cr	52	11370.168	-0.000	-0.000003	mg/L
Cr	53	762.048	-0.000	-0.000005	mg/L
Co	59	116.002	-0.000	0.000000	mg/L
Cu	63	309.010	0.000	0.000004	mg/L
Cu	65	155.003	0.000	0.000007	mg/L
Zn	66	241.008	0.000	-0.000060	mg/L
Zn	68	404.015	-0.000	-0.000051	mg/L
Ge	72	357141.208	357141.208		mg/L
As	75	380.119	0.000	0.000052	mg/L
Se	77	183.004	0.000	0.000100	mg/L
Se	82	28.409	0.000	0.000149	mg/L
Rh	103	431635.335	431635.335		mg/L
Ag	107	185.004	0.000	0.000016	mg/L
Cd	111	4.684	0.000	0.000009	mg/L
Cd	114	23.243	0.000	0.000002	mg/L
Tl	203	75.001	0.000	0.000002	mg/L
Tl	205	201.005	0.000	0.000004	mg/L
Pb	208	800.025	0.001	0.000009	mg/L
Bi	209	394018.688	394018.688		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	452403.427	452403.427		mg/L
Be	9	0.000	-0.000	-0.000004	mg/L
V	51	3758.019	0.000	0.000004	mg/L
Cr	52	11477.328	-0.000	-0.000002	mg/L
Cr	53	701.041	-0.000	-0.000084	mg/L
Co	59	127.002	0.000	0.000000	mg/L
Cu	63	292.009	0.000	0.000001	mg/L
Cu	65	142.003	0.000	0.000002	mg/L
Zn	66	256.007	0.000	-0.000062	mg/L
Zn	68	444.018	-0.000	-0.000020	mg/L
Ge	72	360181.325	360181.325		mg/L
As	75	394.658	0.000	0.000057	mg/L
Se	77	185.004	-0.000	-0.000023	mg/L
Se	82	-18.119	0.000	0.000068	mg/L
Rh	103	428648.751	428648.751		mg/L
Ag	107	175.004	0.000	0.000014	mg/L
Cd	111	-1.197	0.000	-0.000002	mg/L
Cd	114	18.413	0.000	0.000001	mg/L
Tl	203	76.001	0.000	0.000003	mg/L
Tl	205	161.003	0.000	0.000002	mg/L
Pb	208	640.028	0.001	0.000010	mg/L
Bi	209	391288.552	391288.552		mg/L

: 01010

Sample Information

Sample ID: 1001286-16
Autosampler Position: 47
Sample Date/Time: Thursday, January 28, 2010 11:34:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1001286-16.053
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	472995.037	472995.037				mg/L
	Be	9	48.667	0.000	0.000165	0.000	7.304	mg/L
	V	51	67211.525	0.181	0.005819	0.000	2.204	mg/L
	Cr	52	192832.881	0.517	0.019408	0.000	2.497	mg/L
	Cr	53	22359.174	0.061	0.019279	0.000	2.473	mg/L
	Co	59	27517.513	0.078	0.002278	0.000	1.973	mg/L
	Cu	63	72299.482	0.205	0.012280	0.000	2.127	mg/L
	Cu	65	34780.157	0.099	0.012282	0.000	0.825	mg/L
	Zn	66	76170.414	0.216	0.047442	0.001	1.739	mg/L
	Zn	68	57782.024	0.163	0.049497	0.001	2.440	mg/L
>	Ge	72	351624.594	351624.594				mg/L
	As	75	6569.001	0.018	0.003152	0.000	0.750	mg/L
	Se	77	212.672	0.000	0.000308	0.000	25.679	mg/L
	Se	82	25.166	0.000	0.000144	0.000	78.818	mg/L
>	Rh	103	414323.852	414323.852				mg/L
	Ag	107	531.692	0.001	0.000047	0.000	6.294	mg/L
	Cd	111	538.595	0.001	0.000211	0.000	5.528	mg/L
	Cd	114	782.047	0.002	0.000131	0.000	9.720	mg/L
	Tl	203	395.682	0.001	0.000038	0.000	4.105	mg/L
	Tl	205	970.742	0.002	0.000042	0.000	2.039	mg/L
	Pb	208	2876088.548	7.237	0.098533	0.001	0.903	mg/L
>	Bi	209	397355.068	397355.068				mg/L

XS

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	91.122
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	94.961
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	93.250
	Ag	106.905	

: 01011

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

92.544

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	473087 978	473087 978		mg/L
Be	9	48 001	0 000	0 000163	mg/L
V	51	66562 009	0 176	0 006871	mg/L
Cr	52	191707 448	0 506	0 019886	mg/L
Cr	53	22803 570	0 062	0 019381	mg/L
Co	59	27680 731	0 077	0 002257	mg/L
Cu	63	72998 661	0 204	0 012214	mg/L
Cu	65	35145 603	0 098	0 012232	mg/L
Zn	66	76566 949	0 214	0 046984	mg/L
Zn	68	57246 052	0 158	0 048312	mg/L
Ge	72	356741 976	356741 976		mg/L
As	75	6716 007	0 018	0 003178	mg/L
Se	77	230 008	0 000	0 000396	mg/L
Se	82	29 182	0 000	0 000162	mg/L
Rh	103	414983 533	414983 533		mg/L
Ag	107	558 027	0 001	0 000049	mg/L
Cd	111	517 519	0 001	0 000202	mg/L
Cd	114	729 480	0 002	0 000122	mg/L
Tl	203	398 015	0 001	0 000036	mg/L
Tl	205	964 075	0 002	0 000041	mg/L
Pb	208	7878191 148	7 164	0 097542	mg/L
Bi	209	401656 007	401656 007		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	480886 080	480886 080		mg/L
Be	9	50 001	0 000	0 000167	mg/L
V	51	68789 387	0 183	0 006899	mg/L
Cr	52	194051 508	0 531	0 019838	mg/L
Cr	53	22392 268	0 063	0 019867	mg/L
Co	59	27804 513	0 080	0 002330	mg/L
Cu	63	72563 646	0 210	0 012568	mg/L
Cu	65	34438 163	0 099	0 012389	mg/L
Zn	66	76215 213	0 220	0 048384	mg/L
Zn	68	58084 791	0 167	0 050726	mg/L
Ge	72	344873 768	344873 768		mg/L
As	75	6401 319	0 018	0 003131	mg/L
Se	77	203 006	0 000	0 000272	mg/L
Se	82	0 945	0 000	0 000023	mg/L
Rh	103	413834 660	413834 660		mg/L
Ag	107	542 028	0 001	0 000048	mg/L
Cd	111	526 260	0 001	0 000206	mg/L
Cd	114	866 789	0 002	0 000146	mg/L
Tl	203	406 016	0 001	0 000040	mg/L
Tl	205	963 075	0 002	0 000042	mg/L
Pb	208	2668229 356	7 256	0 098791	mg/L
Bi	209	398210 938	398210 938		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	465031 042	465031 042		mg/L
Be	9	51 001	0 000	0 000177	mg/L
V	51	66283 178	0 183	0 005887	mg/L
Cr	52	192739 688	0 514	0 019297	mg/L
Cr	53	21861 684	0 060	0 018760	mg/L
Co	59	27287 295	0 077	0 002248	mg/L
Cu	63	71345 249	0 201	0 012058	mg/L
Cu	65	34756 703	0 098	0 012216	mg/L
Zn	66	75729 079	0 213	0 046638	mg/L
Zn	68	58015 229	0 163	0 049453	mg/L
Ge	72	353258 038	353258 038		mg/L
As	75	6586 678	0 018	0 003148	mg/L
Se	77	205 006	0 000	0 000253	mg/L
Se	82	47 261	0 000	0 000248	mg/L
Rh	103	414153 362	414153 362		mg/L
Ag	107	498 022	0 001	0 000044	mg/L
Cd	111	571 986	0 001	0 000224	mg/L
Cd	114	750 873	0 002	0 000126	mg/L
Tl	203	382 014	0 001	0 000037	mg/L
Tl	205	983 077	0 002	0 000043	mg/L
Pb	208	2681886 142	7 291	0 099266	mg/L
Bi	209	395198 262	395198 262		mg/L

Sample Information

Sample ID: 0A28009-CCV
Autosampler Position: 2
Sample Date/Time: Thursday, January 28, 2010 11:37:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CCV.054
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	477851.528	477851.528				mg/L
	Be	9	11273.340	0.024	0.038881	0.001	3.541	mg/L
	V	51	401996.674	1.152	0.037071	0.000	0.980	mg/L
	Cr	52	365191.765	1.024	0.038472	0.000	1.049	mg/L
	Cr	53	42813.017	0.122	0.038173	0.001	1.816	mg/L
	Co	59	460968.169	1.333	0.038952	0.000	0.200	mg/L
	Cu	63	227536.757	0.657	0.039395	0.000	0.826	mg/L
	Cu	65	110698.046	0.320	0.039850	0.000	0.766	mg/L
	Zn	66	63302.231	0.182	0.040055	0.001	1.825	mg/L
	Zn	68	46351.037	0.133	0.040293	0.001	1.933	mg/L
>	Ge	72	345835.382	345835.382				mg/L
	As	75	79477.800	0.229	0.040318	0.000	0.577	mg/L
	Se	77	6286.829	0.018	0.039938	0.000	1.103	mg/L
	Se	82	8362.661	0.024	0.039951	0.001	2.296	mg/L
>	Rh	103	418547.451	418547.451				mg/L
	Ag	107	434057.189	1.037	0.039345	0.000	1.189	mg/L
	Cd	111	99345.994	0.237	0.038737	0.000	0.285	mg/L
	Cd	114	233041.910	0.557	0.039172	0.000	1.062	mg/L
	Tl	203	354613.181	0.896	0.040121	0.000	0.768	mg/L
	Tl	205	857066.499	2.166	0.042469	0.000	0.964	mg/L
	Pb	208	1154800.740	2.918	0.039729	0.000	0.923	mg/L
>	Bi	209	395580.290	395580.290				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	92.057
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	93.398
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	94.201
	Ag	106.905	

: 01013

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

92.130

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	478063.824	478063.824		mg/L
Be	9	11041.838	0.023	0.038218	mg/L
V	51	403464.811	1.140	0.038883	mg/L
Cr	52	366011.837	1.018	0.038007	mg/L
Cr	53	42718.788	0.120	0.037843	mg/L
Co	59	466869.819	1.331	0.038804	mg/L
Cu	63	229834.780	0.661	0.038033	mg/L
Cu	65	111276.172	0.317	0.038800	mg/L
Zn	66	63047.656	0.179	0.038329	mg/L
Zn	68	46036.336	0.130	0.038448	mg/L
Ge	72	350698.448	350698.448		mg/L
As	75	80141.201	0.228	0.040087	mg/L
Se	77	6298.637	0.017	0.039431	mg/L
Se	82	8288.483	0.024	0.039038	mg/L
Rh	103	419426.121	419426.121		mg/L
Ag	107	429013.200	1.023	0.038806	mg/L
Cd	111	99639.080	0.238	0.038770	mg/L
Cd	114	234587.131	0.558	0.038380	mg/L
Tl	203	356725.087	0.898	0.040088	mg/L
Tl	205	864470.942	2.175	0.042847	mg/L
Pb	208	1153066.380	2.901	0.039493	mg/L
Bi	209	397316.056	397316.056		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	474202.648	474202.648		mg/L
Be	9	11644.800	0.029	0.040484	mg/L
V	51	404271.587	1.154	0.037127	mg/L
Cr	52	366887.652	1.030	0.038568	mg/L
Cr	53	42871.701	0.121	0.038082	mg/L
Co	59	462347.088	1.331	0.038909	mg/L
Cu	63	229038.346	0.659	0.039491	mg/L
Cu	65	111745.417	0.321	0.040082	mg/L
Zn	66	63556.137	0.182	0.040046	mg/L
Zn	68	46724.792	0.133	0.040448	mg/L
Ge	72	347240.415	347240.415		mg/L
As	75	79708.198	0.229	0.040314	mg/L
Se	77	6356.881	0.018	0.040224	mg/L
Se	82	8396.822	0.024	0.039842	mg/L
Rh	103	417708.722	417708.722		mg/L
Ag	107	436480.942	1.048	0.039543	mg/L
Cd	111	99377.532	0.238	0.038827	mg/L
Cd	114	229749.618	0.550	0.038987	mg/L
Tl	203	354793.413	0.890	0.039842	mg/L
Tl	205	853978.778	2.143	0.042000	mg/L
Pb	208	1156016.738	2.904	0.039542	mg/L
Bi	209	396528.913	396528.913		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	483298.016	483298.016		mg/L
Be	9	11133.782	0.023	0.037980	mg/L
V	51	398253.846	1.163	0.037403	mg/L
Cr	52	360865.809	1.031	0.038723	mg/L
Cr	53	42648.563	0.124	0.038816	mg/L
Co	59	453666.819	1.336	0.039042	mg/L
Cu	63	224939.144	0.662	0.039681	mg/L
Cu	65	109872.550	0.321	0.039987	mg/L
Zn	66	63302.901	0.185	0.040791	mg/L
Zn	68	46291.983	0.135	0.040984	mg/L
Ge	72	339566.288	339566.288		mg/L
As	75	78494.003	0.230	0.040552	mg/L
Se	77	6208.758	0.018	0.040189	mg/L
Se	82	8402.877	0.025	0.040872	mg/L
Rh	103	418507.512	418507.512		mg/L
Ag	107	436877.424	1.049	0.039586	mg/L
Cd	111	99021.359	0.237	0.038614	mg/L
Cd	114	234788.979	0.561	0.039470	mg/L
Tl	203	353321.043	0.904	0.040461	mg/L
Tl	205	852752.778	2.181	0.042759	mg/L
Pb	208	1153331.102	2.949	0.040152	mg/L
Bi	209	390895.901	390895.901		mg/L

01014

Sample Information

Sample ID: 0A28009-CCB
Autosampler Position: 1
Sample Date/Time: Thursday, January 28, 2010 11:40:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\0A28009-CCB.055
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	477514.954	477514.954				mg/L
	Be	9	3.000	0.000	0.000006	0.000	57.475	mg/L
	V	51	3435.851	-0.000	-0.000014	0.000	58.512	mg/L
	Cr	52	10775.229	-0.001	-0.000036	0.000	33.000	mg/L
	Cr	53	656.703	-0.000	-0.000082	0.000	22.563	mg/L
	Co	59	109.002	-0.000	-0.000001	0.000	123.472	mg/L
	Cu	63	285.675	0.000	0.000001	0.000	262.555	mg/L
	Cu	65	138.669	0.000	0.000003	0.000	164.115	mg/L
	Zn	66	264.008	-0.000	-0.000042	0.000	37.475	mg/L
	Zn	68	434.018	-0.000	-0.000016	0.000	128.474	mg/L
>	Ge	72	348075.573	348075.573				mg/L
	As	75	342.197	0.000	0.000038	0.000	21.119	mg/L
	Se	77	173.004	0.000	0.000065	0.000	57.476	mg/L
	Se	82	-1.411	0.000	0.000020	0.000	300.820	mg/L
>	Rh	103	420978.990	420978.990				mg/L
	Ag	107	221.339	0.000	0.000018	0.000	21.195	mg/L
	Cd	111	9.250	0.000	0.000002	0.000	80.012	mg/L
	Cd	114	27.456	0.000	0.000003	0.000	25.046	mg/L
	Tl	203	78.335	0.000	0.000003	0.000	38.752	mg/L
	Tl	205	197.005	0.000	0.000004	0.000	23.277	mg/L
	Pb	208	830.360	0.001	0.000009	0.000	12.498	mg/L
>	Bi	209	398639.966	398639.966				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	91.992
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	94.003
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	94.748
	Ag	106.905	

: 01015

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

92.843

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	473829.029	473829.029		mg/L
Be	9	4.000	0.000	0.000010	mg/L
V	51	3410.941	-0.000	-0.000012	mg/L
Cr	52	10657.061	0.001	-0.000031	mg/L
Cr	53	653.038	-0.000	0.000078	mg/L
Co	59	108.002	0.000	-0.000001	mg/L
Cu	63	307.010	0.000	0.000008	mg/L
Cu	65	151.003	0.000	0.000008	mg/L
Zn	66	256.007	-0.000	0.000048	mg/L
Zn	68	431.017	-0.000	-0.000013	mg/L
Ge	72	342786.881	342786.881		mg/L
As	75	353.889	0.000	0.000046	mg/L
Se	77	184.004	0.000	0.000023	mg/L
Se	82	-15.891	-0.000	0.000049	mg/L
Rh	103	423739.928	423739.928		mg/L
Ag	107	260.007	0.001	0.000022	mg/L
Cd	111	10.839	0.000	0.000003	mg/L
Cd	114	32.948	0.000	0.000004	mg/L
Tl	203	87.001	0.000	0.000004	mg/L
Tl	205	216.006	0.000	0.000008	mg/L
Pb	208	848.028	0.001	0.000010	mg/L
Bi	209	398732.870	398732.870		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	478077.823	478077.823		mg/L
Be	9	3.000	0.000	0.000008	mg/L
V	51	3497.230	-0.000	0.000007	mg/L
Cr	52	10815.280	-0.001	0.000027	mg/L
Cr	53	671.038	0.000	-0.000087	mg/L
Co	59	98.002	0.000	-0.000002	mg/L
Cu	63	274.008	0.000	0.000000	mg/L
Cu	65	129.002	0.000	0.000001	mg/L
Zn	66	290.008	0.000	0.000026	mg/L
Zn	68	454.019	0.000	0.000003	mg/L
Ge	72	346748.349	346748.349		mg/L
As	75	337.927	0.000	0.000036	mg/L
Se	77	177.004	0.000	0.000085	mg/L
Se	82	5.782	0.000	0.000052	mg/L
Rh	103	427194.815	427194.815		mg/L
Ag	107	234.008	0.001	0.000019	mg/L
Cd	111	4.823	0.000	0.000000	mg/L
Cd	114	25.918	0.000	0.000003	mg/L
Tl	203	79.001	0.000	0.000003	mg/L
Tl	205	188.004	0.000	0.000003	mg/L
Pb	208	859.029	0.001	0.000010	mg/L
Bi	209	405303.676	405303.676		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	480636.210	480636.210		mg/L
Be	9	2.000	0.000	0.000003	mg/L
V	51	3398.384	-0.001	-0.000024	mg/L
Cr	52	10883.348	-0.001	-0.000060	mg/L
Cr	53	646.038	0.000	-0.000103	mg/L
Co	59	121.002	0.000	0.000000	mg/L
Cu	63	276.008	-0.000	0.000001	mg/L
Cu	65	136.003	0.000	0.000001	mg/L
Zn	66	247.007	-0.000	0.000056	mg/L
Zn	68	417.018	-0.000	0.000038	mg/L
Ge	72	354711.490	354711.490		mg/L
As	75	334.784	0.000	0.000031	mg/L
Se	77	175.004	0.000	0.000078	mg/L
Se	82	8.376	0.000	0.000057	mg/L
Rh	103	412002.129	412002.129		mg/L
Ag	107	170.004	0.000	0.000014	mg/L
Cd	111	12.288	0.000	0.000003	mg/L
Cd	114	23.506	0.000	0.000003	mg/L
Tl	203	69.001	0.000	0.000002	mg/L
Tl	205	167.004	0.000	0.000003	mg/L
Pb	208	764.025	0.001	0.000008	mg/L
Bi	209	394883.550	394883.550		mg/L

Sample Information

Sample ID: 1000598-BLK1
Autosampler Position: 17
Sample Date/Time: Thursday, January 28, 2010 12:01:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A28009.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A28009\1000598-BLK1.056
Tuning File: C:\Elandata\Tuning\28JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\28JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	483277.059	483277.059				mg/L
	Be	9	2.000	0.000	0.000003	0.000	349.546	mg/L
	V	51	4006.612	0.001	0.000026	0.000	53.339	mg/L
	Cr	52	13633.471	0.006	0.000224	0.000	15.659	mg/L
	Cr	53	972.076	0.001	0.000173	0.000	14.832	mg/L
	Co	59	139.669	0.000	0.000002	0.000	125.246	mg/L
	Cu	63	6094.327	0.016	0.000967	0.000	1.988	mg/L
	Cu	65	3010.998	0.008	0.000996	0.000	2.008	mg/L
	Zn	66	1626.868	0.004	0.000785	0.000	6.230	mg/L
	Zn	68	1452.829	0.003	0.000830	0.000	5.877	mg/L
>	Ge	72	359965.120	359965.120				mg/L
	As	75	329.322	0.000	0.000025	0.000	67.213	mg/L
	Se	77	200.005	0.000	0.000197	0.000	32.888	mg/L
	Se	82	-4.870	0.000	0.000005	0.000	1378.872	mg/L
>	Rh	103	437000.452	437000.452				mg/L
	Ag	107	35.667	0.000	0.000002	0.000	33.782	mg/L
	Cd	111	5.684	0.000	0.000001	0.000	137.136	mg/L
	Cd	114	4.774	-0.000	-0.000001	0.000	544.684	mg/L
	Tl	203	47.334	-0.000	-0.000001	0.000	79.034	mg/L
	Tl	205	124.002	0.000	0.000000	0.000	725.477	mg/L
	Pb	208	1652.091	0.003	0.000036	0.000	4.114	mg/L
>	Bi	209	406017.778	406017.778				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.102
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.213
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.354
	Ag	106.905	

: 01017

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

94.561

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	481917.234	481817.234		mg/L
Be	9	0.000	-0.000	-0.000004	mg/L
V	51	4053.032	0.001	0.000032	mg/L
Cr	52	13834.523	0.007	0.000261	mg/L
Cr	53	977.077	0.001	0.000181	mg/L
Co	59	163.003	0.000	0.000003	mg/L
Cu	63	8032.807	0.016	0.000961	mg/L
Cu	65	2988.646	0.008	0.000985	mg/L
Zn	66	1603.198	0.004	0.000775	mg/L
Zn	68	1380.147	0.003	0.000774	mg/L
Ge	72	358468.128	358468.128		mg/L
As	75	354.725	0.000	0.000039	mg/L
Se	77	182.006	0.000	0.000152	mg/L
Se	82	3.180	0.000	0.000043	mg/L
Rh	103	430758.526	430758.526		mg/L
Ag	107	30.000	0.000	0.000001	mg/L
Cd	111	7.942	0.000	0.000001	mg/L
Cd	114	24.079	-0.000	0.000006	mg/L
Tl	203	48.001	-0.000	-0.000001	mg/L
Tl	205	137.003	0.000	0.000001	mg/L
Pb	208	1634.088	0.003	0.000035	mg/L
Bi	209	413542.441	413542.441		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	463981.022	463981.022		mg/L
Be	9	1.000	-0.000	-0.000001	mg/L
V	51	4105.327	0.001	0.000037	mg/L
Cr	52	13699.261	0.008	0.000257	mg/L
Cr	53	935.071	0.000	0.000144	mg/L
Co	59	117.002	-0.000	-0.000000	mg/L
Cu	63	8107.750	0.016	0.000969	mg/L
Cu	65	3064.686	0.008	0.001010	mg/L
Zn	66	1707.221	0.004	0.000839	mg/L
Zn	68	1477.187	0.003	0.000864	mg/L
Ge	72	358440.957	358440.957		mg/L
As	75	288.566	0.000	0.000008	mg/L
Se	77	211.005	0.000	0.000272	mg/L
Se	82	5.267	0.000	0.000051	mg/L
Rh	103	435545.334	435545.334		mg/L
Ag	107	42.001	0.000	0.000002	mg/L
Cd	111	4.822	0.000	0.000000	mg/L
Cd	114	19.570	0.000	0.000002	mg/L
Tl	203	40.001	-0.000	0.000002	mg/L
Tl	205	119.002	0.000	0.000000	mg/L
Pb	208	1672.093	0.003	0.000038	mg/L
Bi	209	401188.813	401188.813		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	483932.921	483932.921		mg/L
Be	9	5.000	0.000	0.000013	mg/L
V	51	3881.478	0.000	0.000010	mg/L
Cr	52	13388.829	0.005	0.000184	mg/L
Cr	53	1004.081	0.001	0.000194	mg/L
Co	59	139.003	0.000	0.000001	mg/L
Cu	63	6062.824	0.016	0.000952	mg/L
Cu	65	2999.660	0.008	0.000983	mg/L
Zn	66	1570.188	0.003	0.000743	mg/L
Zn	68	1501.173	0.003	0.000881	mg/L
Ge	72	362989.275	362989.275		mg/L
As	75	344.874	0.000	0.000032	mg/L
Se	77	197.005	0.000	0.000188	mg/L
Se	82	23.056	0.000	0.000078	mg/L
Rh	103	444700.497	444700.497		mg/L
Ag	107	35.000	0.000	0.000001	mg/L
Cd	111	4.288	0.000	0.000000	mg/L
Cd	114	16.833	0.000	0.000002	mg/L
Tl	203	54.001	0.000	0.000000	mg/L
Tl	205	116.002	0.000	0.000000	mg/L
Pb	208	1650.093	0.003	0.000037	mg/L
Bi	209	403322.080	403322.080		mg/L

Sample ID: 1000598-BLK1
Report Date/Time: Thursday, January 28, 2010 12:03:10

1/29

due 2-02
CalDO: 0A29003

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 114 **Data File:** 0A29004

Date: 1-29-10 **Calibration BLK/ICB/CCB:** 1% HNO3 LOT#1109060

Analyst: DSC **Internal Standard #:** 9110477

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

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 9110400
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 9110402
11. IFB1 9110403

Analysis #/ Position #	ID	Dilution			Analysis #/ Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
1/17	1002730-blk1				35/51				
2/18	SS1				36/52				
3/19	1001254-01				37/53				
4/20					38/54				
5/21					39/55				
6/22					40/56				
7/23					41/57				
8/24					42/58				
9/25					43/59				
10/26					44/60				
11/27					45/61				
12/28					46/62				
13/29					47/63				
14/30					48/64				
15/31					49/65				
16/32					50/66				
17/33					51/67				
18/34					52/68				
19/35					53/69				
20/36					54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 29JAN2010_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	7.027	1534	2025	0.845	
Co	58.933	59.027	14222	2005	0.852	
In	114.904	114.978	27860	2000	0.847	
Ba	137.905	137.879	33459	1990	0.883	
Ce	139.905	139.878	33937	1985	0.879	
Tl	204.975	205.026	49828	1980	0.860	

Report Date/Time: Friday, January 29, 2010 08:14:49

: 01020

Daily Performance Report

Sample ID: 9101006
Sample Date/Time: Friday, January 29, 2010 08:15:18
Sample Description:
Method File: C:\elandata\Method\6020A_Daily.mth
Dataset File: C:\elandata\Dataset\daily performance\9101006.2519
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_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	9310.1	9310.066	202.128	2.2
	Co	58.9	112240.6	112240.553	2044.757	1.8
	In	114.9	314284.3	314284.330	3029.932	1.0
	Tl	205.0	213696.5	213696.547	3066.403	1.4
⌈>	Ba	137.9	255104.5	255104.452	4342.979	1.7
⌊	Ba++	69.0	3785.0	0.015	0.001	3.9
⌈>	Ce	139.9	323082.6	323082.586	4451.422	1.4
⌊	CeO	155.9	8249.1	0.026	0.001	3.8
	Bkgd	220.0	8.2	8.167	1.835	22.5

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9384.160	9384.160
Co	59	112835.241	112835.241
In	115	316811.032	316811.032
Tl	205	213173.228	213173.228
Ba	138	250739.436	250739.436
Ba++	69	3872.049	0.015
Ce	140	328211.230	328211.230
CeO	156	8850.480	0.027
Bkgd	220	8.000	8.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9100.794	9100.794
Co	59	110346.816	110346.816
In	115	312813.657	312813.657
Tl	205	209136.490	209136.490
Ba	138	262362.882	262362.882
Ba++	69	3793.007	0.014
Ce	140	328388.087	328388.087
CeO	156	8312.834	0.025
Bkgd	220	10.000	10.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9410.195	9410.195
Co	59	111526.933	111526.933
In	115	309059.555	309059.555
Tl	205	216871.081	216871.081
Ba	138	256536.987	256536.987
Ba++	69	3809.015	0.015
Ce	140	320425.403	320425.403
CeO	156	8006.485	0.025
Bkgd	220	8.000	8.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9024.698	9024.698
Co	59	112713.339	112713.339
In	115	314698.744	314698.744

Tl	205	211832.205	211832.205
Ba	138	254121.109	254121.109
Ba++	69	3778.999	0.015
Ce	140	323524.515	323524.515
CeO	156	8471.020	0.026
Bkgd	220	8.000	8.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9392.171	9392.171
Co	59	115753.381	115753.381
In	115	314970.316	314970.316
Tl	205	213959.212	213959.212
Ba	138	250790.846	250790.846
Ba++	69	3878.052	0.015
Ce	140	320313.550	320313.550
CeO	156	7738.189	0.024
Bkgd	220	5.000	5.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9548.378	9548.378
Co	59	110267.607	110267.607
In	115	317352.675	317352.675
Tl	205	217207.062	217207.062
Ba	138	256075.454	256075.454
Ba++	69	3578.896	0.014
Ce	140	317632.728	317632.728
CeO	156	8115.608	0.026
Bkgd	220	10.000	10.000

Sample/Batch Report

User Name: Administrator
Computer Name: ELAN6000_22
Sample File: C:\Elandata\Sample\0A29004.sam
Report Date/Time: Friday, January 29, 2010 08:18:31

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000730-BLK1		Sample					
18		1000730-BS1		Sample					
19		1001254-01		Sample					

Sample Information

Sample ID: 0A29004-CAL1
Autosampler Position: 1
Sample Date/Time: Friday, January 29, 2010 08:19:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\0A29004-CAL1.001
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	271.008					ug/L
|	Zn	68	449.019					ug/L
⌊>	Ge	72	325899.088					ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	282.008			ug/L
|	Zn	68	457.019			ug/L
⌊>	Ge	72	326358.281			ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	273.008			ug/L
|	Zn	68	455.021			ug/L
⌊>	Ge	72	325992.188			ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	258.007			ug/L
|	Zn	68	435.016			ug/L
⌊>	Ge	72	325348.813			ug/L

01024

Sample Information

Sample ID: 0A29004-CAL2
Autosampler Position: 3
Sample Date/Time: Friday, January 29, 2010 08:21:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\0A29004-CAL2.002
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	892.398	0.002	0.200000	0.018	8.946	ug/L
|	Zn	68	831.390	0.001	0.200000	0.017	8.415	ug/L
⌊>	Ge	72	319760.211	319760.211				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	833.067	0.002	0.179803	ug/L
|	Zn	68	813.084	0.001	0.186341	ug/L
⌊>	Ge	72	321466.808	321466.808		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	909.067	0.002	0.207353	ug/L
|	Zn	68	863.081	0.001	0.219283	ug/L
⌊>	Ge	72	317485.500	317485.500		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	936.071	0.002	0.213044	ug/L
|	Zn	68	818.058	0.001	0.192366	ug/L
⌊>	Ge	72	320328.324	320328.324		ug/L

Sample Information

Sample ID: 0A29004-CAL3
Autosampler Position: 4
Sample Date/Time: Friday, January 29, 2010 08:24:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\0A29004-CAL3.003
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	1922.945	0.005	0.967321	0.014	1.494	ug/L
|	Zn	68	1616.866	0.004	0.975650	0.033	3.375	ug/L
⌊>	Ge	72	317950.478	317950.478				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	1936.262	0.006	0.983321	ug/L
|	Zn	68	1583.191	0.004	0.957336	ug/L
⌊>	Ge	72	315640.347	315640.347		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	1933.281	0.006	0.983422	ug/L
|	Zn	68	1607.197	0.004	0.985864	ug/L
⌊>	Ge	72	320762.181	320762.181		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	1898.271	0.005	0.956221	ug/L
|	Zn	68	1660.210	0.004	1.013680	ug/L
⌊>	Ge	72	317448.827	317448.827		ug/L

1

: 01026

Sample Information

Sample ID: 0A29004-CAL4
Autosampler Position: 5
Sample Date/Time: Friday, January 29, 2010 08:26:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\0A29004-CAL4.004
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	16654.897	0.052	9.995528	0.103	1.034	ug/L
|	Zn	68	12501.058	0.038	10.000114	0.283	2.834	ug/L
⌊>	Ge	72	317145.717	317145.717				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	16658.589	0.052	9.980782	ug/L
|	Zn	68	12227.579	0.037	9.735223	ug/L
⌊>	Ge	72	318313.149	318313.149		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	16405.953	0.051	9.914029	ug/L
|	Zn	68	12773.539	0.039	10.298986	ug/L
⌊>	Ge	72	314941.484	314941.484		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	16900.136	0.052	10.111773	ug/L
|	Zn	68	12502.056	0.038	9.986122	ug/L
⌊>	Ge	72	318182.517	318182.517		ug/L

: 01027

Sample Information

Sample ID: 0A29004-CAL5
Autosampler Position: 6
Sample Date/Time: Friday, January 29, 2010 08:29:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\0A29004-CAL5.005
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	30900.674	0.097	19.739109	0.306	1.552	ug/L
|	Zn	68	22842.033	0.071	19.714038	0.489	2.479	ug/L
⌊>	Ge	72	315717.570	315717.570				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	30903.728	0.098	19.817198	ug/L
|	Zn	68	22790.528	0.071	19.638501	ug/L
⌊>	Ge	72	316186.740	316186.740		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	30912.063	0.098	19.811401	ug/L
|	Zn	68	22488.574	0.069	19.268863	ug/L
⌊>	Ge	72	317851.243	317851.243		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	31188.244	0.099	20.088731	ug/L
|	Zn	68	23245.997	0.073	20.236820	ug/L
⌊>	Ge	72	313114.728	313114.728		ug/L

: 01028

Sample Information

Sample ID: 0A29004-CAL6
Autosampler Position: 7
Sample Date/Time: Friday, January 29, 2010 08:31:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\0A29004-CAL6.006
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	72892.498	0.231	49.461907	0.659	1.333	ug/L
|	Zn	68	54093.993	0.171	49.538942	1.150	2.320	ug/L
⌊>	Ge	72	314701.563	314701.563				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	71558.357	0.228	48.874403	ug/L
|	Zn	68	53085.080	0.168	48.927909	ug/L
⌊>	Ge	72	312642.708	312642.708		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	73708.063	0.234	50.174938	ug/L
|	Zn	68	55358.249	0.176	50.884941	ug/L
⌊>	Ge	72	313717.330	313717.330		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	73411.044	0.230	49.336379	ug/L
|	Zn	68	53837.686	0.168	48.823976	ug/L
⌊>	Ge	72	317744.663	317744.663		ug/L

: 01029

Sample Information

Sample ID: 0A29004-CAL7
Autosampler Position: 8
Sample Date/Time: Friday, January 29, 2010 08:34:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\0A29004-CAL7.007
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	144586.214	0.465	99.932608	2.426	2.427	ug/L
|	Zn	68	106591.161	0.342	99.864858	0.627	0.628	ug/L
⌊>	Ge	72	310244.914	310244.914				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	141153.453	0.456	97.693306	ug/L
|	Zn	68	106483.802	0.343	99.908980	ug/L
⌊>	Ge	72	309783.042	309783.042		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	146888.624	0.477	102.509876	ug/L
|	Zn	68	106209.884	0.344	100.468798	ug/L
⌊>	Ge	72	307270.928	307270.928		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	145708.588	0.484	98.594844	ug/L
|	Zn	68	107078.716	0.340	99.216818	ug/L
⌊>	Ge	72	313680.775	313680.775		ug/L

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Zn	65.926	Linear Thru Zero	0.00	0.00	0.999916
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999930
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000

Method Equation

Analyte Mass Corrections

: 01031

Sample Information

Sample ID: 0A29004-SCV1
Autosampler Position: 2
Sample Date/Time: Friday, January 29, 2010 08:36:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\0A29004-SCV1.008
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	60295.716	0.193	41.437311	1.076	2.597	ug/L
|	Zn	68	44034.448	0.140	40.887490	1.045	2.556	ug/L
⌊>	Ge	72	311281.299	311281.299				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	95.515

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	59415.684	0.187	40.197583	ug/L
|	Zn	68	43512.566	0.138	39.771178	ug/L
⌊>	Ge	72	316082.264	316082.264		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	60903.148	0.196	41.987290	ug/L
|	Zn	68	44811.196	0.143	41.642848	ug/L
⌊>	Ge	72	310243.384	310243.384		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	60568.316	0.196	42.127081	ug/L
|	Zn	68	43878.582	0.141	41.048447	ug/L
⌊>	Ge	72	307818.238	307818.238		ug/L

Sample Information

Sample ID: 0A29004-CCB
Autosampler Position: 1
Sample Date/Time: Friday, January 29, 2010 08:39:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\0A29004-CCB.009
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	264.674	0.000	0.004658	0.011	239.653	ug/L
|	Zn	68	388.014	-0.000	-0.037043	0.008	22.160	ug/L
⌊>	Ge	72	310293.156	310293.156				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	95.211

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	262.008	0.000	0.016043	ug/L
|	Zn	68	384.014	0.000	-0.041942	ug/L
⌊>	Ge	72	311176.803	311176.803		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	258.007	0.000	0.004204	ug/L
|	Zn	68	389.014	-0.000	-0.027568	ug/L
⌊>	Ge	72	303130.486	303130.486		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	264.007	0.000	-0.006272	ug/L
|	Zn	68	391.016	-0.000	0.041622	ug/L
⌊>	Ge	72	316570.179	316570.179		ug/L

Sample Information

Sample ID: 0A29004-CRL1
Autosampler Position: 4
Sample Date/Time: Friday, January 29, 2010 08:41:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method*TriMatrix* Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\0A29004-CRL1.010
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	1834.921	0.005	1.082645	0.071	6.592	ug/L
|	Zn	68	1610.198	0.004	1.101035	0.011	0.979	ug/L
⌊>	Ge	72	312615.715	312615.715				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	95.924

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	1736.229	0.006	1.001324	ug/L
|	Zn	68	1632.203	0.004	1.103238	ug/L
⌊>	Ge	72	316424.951	316424.951		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	1869.263	0.005	1.111780	ug/L
|	Zn	68	1590.193	0.004	1.089329	ug/L
⌊>	Ge	72	311155.834	311155.834		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	1897.271	0.006	1.134849	ug/L
|	Zn	68	1608.197	0.004	1.110538	ug/L
⌊>	Ge	72	310266.380	310266.380		ug/L

: 01034

Sample Information

Sample ID: 0A29004-IFA1
Autosampler Position: 10
Sample Date/Time: Friday, January 29, 2010 08:44:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\0A29004-IFA1.011
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	2725.548	0.008	1.663516	0.076	4.596	ug/L
|	Zn	68	1724.892	0.004	1.181773	0.049	4.151	ug/L
⌊>	Ge	72	317836.342	317836.342				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	97.526

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	2821.507	0.007	1.587888	ug/L
|	Zn	68	1672.212	0.004	1.128662	ug/L
⌊>	Ge	72	318797.033	318797.033		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	2726.548	0.008	1.662308	ug/L
|	Zn	68	1738.229	0.004	1.191271	ug/L
⌊>	Ge	72	316361.223	316361.223		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	2626.567	0.008	1.740572	ug/L
|	Zn	68	1764.235	0.004	1.225387	ug/L
⌊>	Ge	72	316360.770	316360.770		ug/L

Sample Information

Sample ID: 0A29004-IFB1
Autosampler Position: 11
Sample Date/Time: Friday, January 29, 2010 08:46:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\0A29004-IFB1.012
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	32247.627	0.101	21.644599	0.098	0.452	ug/L
|	Zn	68	23572.738	0.073	21.271857	0.099	0.465	ug/L
⌊>	Ge	72	317405.085	317405.085				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	97.394

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	31780.882	0.101	21.632197	ug/L
|	Zn	68	23361.374	0.073	21.380177	ug/L
⌊>	Ge	72	312981.056	312981.056		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	32317.266	0.101	21.748001	ug/L
|	Zn	68	23487.788	0.073	21.248898	ug/L
⌊>	Ge	72	316582.717	316582.717		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	32644.753	0.100	21.553567	ug/L
|	Zn	68	23698.053	0.073	21.186600	ug/L
⌊>	Ge	72	322651.481	322651.481		ug/L

Sample Information

Sample ID: 0A29004-CCV
Autosampler Position: 2
Sample Date/Time: Friday, January 29, 2010 08:49:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\0A29004-CCV.013
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	60504.134	0.191	40.964257	1.133	2.765	ug/L
|	Zn	68	44835.063	0.141	41.017090	0.965	2.352	ug/L
⌊>	Ge	72	315966.858	315966.858				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	96.952

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	60121.580	0.190	40.851789	ug/L
|	Zn	68	44425.188	0.140	40.788948	ug/L
⌊>	Ge	72	314737.783	314737.783		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	60017.891	0.189	39.891970	ug/L
|	Zn	68	44747.170	0.138	40.187094	ug/L
⌊>	Ge	72	321719.629	321719.629		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	61373.150	0.196	42.149033	ug/L
|	Zn	68	45332.882	0.144	42.075229	ug/L
⌊>	Ge	72	311442.982	311442.982		ug/L

: 01037

Sample Information

Sample ID: 0A29004-CCB
Autosampler Position: 1
Sample Date/Time: Friday, January 29, 2010 08:51:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\0A29004-CCB.014
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	249.674	-0.000	-0.011366	0.006	55.714	ug/L
|	Zn	68	421.683	-0.000	-0.018299	0.016	88.753	ug/L
⌊>	Ge	72	320630.129	320630.129				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	98.383

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	249.007	-0.000	0.011438	ug/L
|	Zn	68	401.015	-0.000	0.036280	ug/L
⌊>	Ge	72	319925.872	319925.872		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	260.007	0.000	-0.004999	ug/L
|	Zn	68	438.018	-0.000	-0.004897	ug/L
⌊>	Ge	72	321672.779	321672.779		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	240.008	-0.000	0.017863	ug/L
|	Zn	68	426.017	-0.000	0.013918	ug/L
⌊>	Ge	72	320291.738	320291.738		ug/L

01038

Sample Information

Sample ID: 1000730-BLK1
Autosampler Position: 17
Sample Date/Time: Friday, January 29, 2010 08:54:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\1000730-BLK1.015
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Zn	66	653.036	0.001	0.263756	0.025	9.573	ug/L
|	Zn	68	705.375	0.001	0.246565	0.012	4.921	ug/L
[>	Ge	72	317373.983	317373.983				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	97.384

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	637.036	0.001	0.247271	ug/L
|	Zn	68	726.044	0.001	0.257398	ug/L
[>	Ge	72	321285.938	321285.938		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	677.039	0.001	0.262824	ug/L
|	Zn	68	688.040	0.001	0.248848	ug/L
[>	Ge	72	308467.908	308467.908		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	645.036	0.001	0.251172	ug/L
|	Zn	68	702.042	0.001	0.253484	ug/L
[>	Ge	72	322388.104	322388.104		ug/L

: 01039

Sample Information

Sample ID: 1000730-BS1
Autosampler Position: 18
Sample Date/Time: Friday, January 29, 2010 08:56:15
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\1000730-BS1.016
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	16578.382	0.051	10.865570	0.069	0.634	ug/L
|	Zn	68	12585.538	0.038	10.988537	0.055	0.503	ug/L
⌊>	Ge	72	322439.232	322439.232				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	98.938

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	16606.446	0.061	10.902724	ug/L
|	Zn	68	12633.288	0.038	11.061908	ug/L
⌊>	Ge	72	321871.437	321871.437		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	16512.229	0.051	10.907963	ug/L
|	Zn	68	12444.956	0.038	10.950217	ug/L
⌊>	Ge	72	319813.328	319813.328		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	16617.473	0.050	10.786021	ug/L
|	Zn	68	12676.399	0.038	10.963488	ug/L
⌊>	Ge	72	325832.930	325832.930		ug/L

: 01040

Sample Information

Sample ID: 1001254-01
Autosampler Position: 19
Sample Date/Time: Friday, January 29, 2010 08:58:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\1001254-01.017
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Zn	66	10671.741	0.033	6.994569	0.070	0.996	ug/L
|	Zn	68	8925.329	0.027	7.749242	0.060	0.772	ug/L
[>	Ge	72	319535.085	319535.085				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	98.047

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	10737.171	0.033	7.018478	ug/L
|	Zn	68	8877.802	0.026	7.582577	ug/L
[>	Ge	72	320447.498	320447.498		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	10433.719	0.032	6.916070	ug/L
|	Zn	68	8642.568	0.027	7.788862	ug/L
[>	Ge	72	315686.853	315686.853		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	10844.334	0.033	7.049156	ug/L
|	Zn	68	9055.827	0.027	7.798187	ug/L
[>	Ge	72	322271.905	322271.905		ug/L

: 01041

Sample Information

Sample ID: 0A29004-CCV
Autosampler Position: 2
Sample Date/Time: Friday, January 29, 2010 09:00:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\0A29004-CCV.018
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Zn	66	59750.140	0.191	40.923472	1.178	2.878	ug/L
|	Zn	68	45090.351	0.143	41.738480	1.351	3.236	ug/L
L>	Ge	72	312369.617	312369.617				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Zn	65.926	
|	Zn	67.925	
L>	Ge	71.922	95.849

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	59133.353	0.184	39.613181	ug/L
|	Zn	68	45108.442	0.140	40.838656	ug/L
L>	Ge	72	319200.466	319200.466		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	60019.709	0.195	41.894846	ug/L
|	Zn	68	45878.323	0.148	43.291543	ug/L
L>	Ge	72	308416.387	308416.387		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	60097.358	0.192	41.762619	ug/L
|	Zn	68	44283.288	0.141	41.085241	ug/L
L>	Ge	72	311492.026	311492.026		ug/L

Sample Information

Sample ID: 0A29004-CCB
Autosampler Position: 1
Sample Date/Time: Friday, January 29, 2010 09:02:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29004.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A29004\0A29004-CCB.019
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	258.674	-0.000	-0.003480	0.002	56.587	ug/L
|	Zn	68	407.349	-0.000	-0.027194	0.019	68.617	ug/L
⌊>	Ge	72	317221.043	317221.043				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	97.337

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	263.007	-0.000	0.001949	ug/L
|	Zn	68	793.018	-0.000	-0.043401	ug/L
⌊>	Ge	72	319768.033	319768.033		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	252.007	-0.000	-0.006702	ug/L
|	Zn	68	424.017	-0.000	0.006784	ug/L
⌊>	Ge	72	313042.670	313042.670		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	261.007	-0.000	-0.002788	ug/L
|	Zn	68	406.016	-0.000	-0.031387	ug/L
⌊>	Ge	72	318862.428	318862.428		ug/L

: 01043

2/1

TriMatrix Laboratories, Inc.

due 2/05

cal ID: OA29013

Metals Laboratory Instrument Run Sequence

Instrument #: 201

Date: 1/29/10

Analyst: mam

Data File: OA29012

Calibration BLK/ICB/CCB: 2.5%HNO3#1109060 5%HCl#410905C

Internal Standard #: 9110470

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

Autosampler Position:

Sb

1. BLK/ICB/CCB/9120104
2. ICV/SCV/CCV 40ug/~~L 9110404~~ 0010905
3. STD2 0.2 ug/L 9120110
4. STD3 1.0 ug/L 9120109
5. STD4 10 ug/L 9120108
6. STD5 20 ug/L 9120107
7. STD6 50 ug/L 9120106
8. STD7 100 ug/L 9120105
9.
10. IFA~~1 9110405~~ 0010910
11. IFB~~1 9110408~~ 0010907

Analysis # / Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis # / Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
1/17	1000587-b1K1				35/51	1001286-15			
2/18	-bS1				36/52	-16			
3/19	1001254-03				37/53				
4/20	-04				38/54				
5/21	-05				39/55				
6/22	-06				40/56				
7/23	-07				41/57				
8/24	-08				42/58				
9/25	-09				43/59				
10/26	-MS1				44/60				
11/27	-MSD1				45/61				
12/28	-SRD1	0.4	10	25	46/62				
13/29	-PS1				47/63				
14/30	1001254-10				48/64				
15/31	1000604-b1K1				49/65				
16/32	-bS1				50/66				
17/33	1001286-01				51/67				
18/34	-02				52/68				
19/35	-03				53/69				
20/36	-04				54/70				
21/37	-05				55/71				
22/38	-06				56/72				
23/39	-07				57/73				
24/40	-MS1				58/74				
25/41	-MSD1				59/75				
26/42	-SRD2	0.4	10	25	60/76				
27/43	-PS1				61/77				
28/44	1001286-08				62/78				
29/45	-09				63/79				
30/46	-10				64/80				
31/47	-11				65/81				
32/48	-12				66/82				
33/49	-13				67/83				
34/50	-14				68/84				

Instrument Tuning Report

File Name: 29JAN2010_6020A_A.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	7.076	1547	2020	0.876	
Co	58.933	58.978	14177	2050	0.857	
In	114.904	114.928	27796	2095	0.836	
Ba	137.905	137.929	33422	2110	0.861	
Ce	139.905	139.879	33885	2115	0.857	
Tl	204.975	205.027	49721	2180	0.826	

Daily Performance Report

Sample ID: 9101006
Sample Date/Time: Friday, January 29, 2010 10:18:30
Sample Description:
Method File: c:\elandata\Method\6020A_Daily.mth
Dataset File: c:\elandata\Dataset\default\9101006.4278
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac
Dual Detector Mode: Dual
Acq. Dead Time(ns): 60
Current Dead Time (ns): 60
Number of Replicates: 6

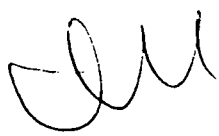
Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Li	7.0	5679.7	5679.686	139.506	2.5
	Co	58.9	124329.4	124329.374	705.731	0.6
	In	114.9	320436.0	320435.983	3607.558	1.1
	Tl	205.0	235338.3	235338.293	2696.963	1.1
⌈>	Ba	137.9	253804.4	253804.438	1667.366	0.7
⌊	Ba++	69.0	6222.5	0.025	0.000	1.2
⌈>	Ce	139.9	331094.6	331094.594	3403.678	1.0
⌊	CeO	155.9	8423.8	0.025	0.001	2.7
	Bkgd	220.0	7.5	7.500	2.280	30.4

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5945.120	5945.120
Co	59	125578.623	125578.623
In	115	315534.237	315534.237
Tl	205	238871.193	238871.193
Ba	138	252701.732	252701.732
Ba++	69	6234.331	0.025
Ce	140	328834.393	328834.393
CeO	156	8690.029	0.026
Bkgd	220	7.000	7.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5726.967	5726.967
Co	59	124310.319	124310.319
In	115	320129.581	320129.581
Tl	205	236760.215	236760.215
Ba	138	251415.433	251415.433
Ba++	69	6188.797	0.025
Ce	140	334140.321	334140.321
CeO	156	8261.093	0.025
Bkgd	220	9.500	9.500
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5603.383	5603.383
Co	59	123411.101	123411.101
In	115	317718.328	317718.328
Tl	205	231173.608	231173.608
Ba	138	253092.386	253092.386
Ba++	69	6246.340	0.025
Ce	140	325921.234	325921.234
CeO	156	8424.756	0.026
Bkgd	220	4.000	4.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5594.878	5594.878
Co	59	124049.983	124049.983
In	115	320509.237	320509.237

Tl	205	236742.729	236742.729
Ba	138	255366.595	255366.595
Ba++	69	6234.832	0.024
Ce	140	331681.458	331681.458
CeO	156	8353.685	0.025
Bkgd	220	8.500	8.500
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5596.379	5596.379
Co	59	124251.958	124251.958
In	115	323194.121	323194.121
Tl	205	233976.732	233976.732
Ba	138	254605.215	254605.215
Ba++	69	6299.880	0.025
Ce	140	335140.819	335140.819
CeO	156	8285.117	0.025
Bkgd	220	6.000	6.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5611.389	5611.389
Co	59	124374.263	124374.263
In	115	325530.395	325530.395
Tl	205	234505.282	234505.282
Ba	138	255645.268	255645.268
Ba++	69	6130.754	0.024
Ce	140	330849.340	330849.340
CeO	156	8528.362	0.026
Bkgd	220	10.000	10.000



Sample/Batch Report

User Name: analystME
Computer Name: ELAN6100_08
Sample File: C:\Elandata\Sample\0A29012.sam
Report Date/Time: Friday, January 29, 2010 10:46:30

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000587-BLK1		Sample					
18		1000587-BS1		Sample					
19		1001254-03		Sample					
20		1001254-04		Sample					
21		1001254-05		Sample					
22		1001254-06		Sample					
23		1001254-07		Sample					
24		1001254-08		Sample					
25		1001254-09		Sample					
26		1000587-MS1		Sample					
27		1000587-MSD1		Sample					
28		0A29012-SRD1		Sample					
29		1000587-PS1		Sample					
30		1001254-10		Sample					
31		1000664-BLK1		Sample					
32		1000664-BS1		Sample					
33		1001286-01		Sample					
34		1001286-02		Sample					
35		1001286-03		Sample					
36		1001286-04		Sample					
37		1001286-05		Sample					
38		1001286-06		Sample					
39		1001286-07		Sample					
40		1000664-MS1		Sample					
41		1000664-MSD1		Sample					
42		0A29012-SRD2		Sample					
43		1000664-PS1		Sample					
44		1001286-08		Sample					
45		1001286-09		Sample					
46		1001286-10		Sample					
47		1001286-11		Sample					
48		1001286-12		Sample					
49		1001286-13		Sample					
50		1001286-14		Sample					
51		1001286-15		Sample					
52		1001286-16		Sample					

Sample Information

Sample ID: 0A29012-CAL1
Autosampler Position: 1
Sample Date/Time: Friday, January 29, 2010 10:47:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CAL1.001
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	309133.585					mg/L
	Sb	121	432.682					mg/L
	Sb	123	322.543					mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	309089.214			mg/L
Sb	121	424.018			mg/L
Sb	123	272.497			mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	314888.403			mg/L
Sb	121	456.017			mg/L
Sb	123	351.130			mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	308814.139			mg/L
Sb	121	418.015			mg/L
Sb	123	344.004			mg/L

Sample Information

Sample ID: 0A29012-CAL2
Autosampler Position: 3
Sample Date/Time: Friday, January 29, 2010 10:49:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CAL2.002
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	301668.153	301668.153				mg/L
	Sb	121	2474.726	0.007	0.000200	0.000	4.558	mg/L
	Sb	123	1931.358	0.005	0.000200	0.000	2.744	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	302617.108	302617.108		mg/L
Sb	121	2447.364	0.007	0.000197	mg/L
Sb	123	1923.605	0.005	0.000196	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	305443.558	305443.558		mg/L
Sb	121	2435.380	0.007	0.000193	mg/L
Sb	123	1919.962	0.005	0.000196	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	298843.798	298843.798		mg/L
Sb	121	2541.413	0.007	0.000210	mg/L
Sb	123	1950.466	0.005	0.000208	mg/L

: 01050

Sample Information

Sample ID: 0A29012-CAL3
Autosampler Position: 4
Sample Date/Time: Friday, January 29, 2010 10:51:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CAL3.003
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	307927.495	307927.495				mg/L
	Sb	121	10484.697	0.033	0.000998	0.000	1.811	mg/L
	Sb	123	8133.502	0.025	0.000998	0.000	1.683	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	311403.880	311403.880		mg/L
Sb	121	10391.579	0.032	0.000977	mg/L
Sb	123	8091.001	0.025	0.000981	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	302280.368	302280.368		mg/L
Sb	121	10397.586	0.033	0.001008	mg/L
Sb	123	8112.021	0.026	0.001014	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	310086.280	310086.280		mg/L
Sb	121	10664.827	0.033	0.001009	mg/L
Sb	123	8197.463	0.026	0.000999	mg/L

Sample Information

Sample ID: 0A29012-CAL4
Autosampler Position: 5
Sample Date/Time: Friday, January 29, 2010 10:53:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CAL4.004
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	297207.193	297207.193				mg/L
	Sb	121	101417.783	0.340	0.010004	0.000	1.204	mg/L
	Sb	123	78100.520	0.262	0.010003	0.000	1.471	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	293116.683	293116.683		mg/L
	Sb	121	100286.843	0.341	0.010031	mg/L
	Sb	123	77719.788	0.264	0.010082	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	301912.860	301912.860		mg/L
	Sb	121	101683.823	0.336	0.009972	mg/L
	Sb	123	78005.672	0.257	0.009833	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	296591.936	296591.936		mg/L
	Sb	121	102273.784	0.343	0.010109	mg/L
	Sb	123	78576.124	0.264	0.010084	mg/L

Sample Information

Sample ID: 0A29012-CAL5
Autosampler Position: 6
Sample Date/Time: Friday, January 29, 2010 10:56:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CAL5.005
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	296922.990	296922.990				mg/L
|	Sb	121	199725.268	0.671	0.019951	0.000	1.687	mg/L
L	Sb	123	154771.449	0.520	0.019976	0.000	2.109	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	
|	Sb	120.904	
L	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[.	In	115	296501.911	296501.911		mg/L
|	Sb	121	197091.410	0.659	0.019582	mg/L
L	Sb	123	151847.488	0.508	0.019482	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[.	In	115	296502.811	296502.811		mg/L
|	Sb	121	200243.256	0.674	0.020030	mg/L
L	Sb	123	156085.188	0.526	0.020169	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[.	In	115	295764.247	295764.247		mg/L
|	Sb	121	201841.136	0.681	0.020241	mg/L
L	Sb	123	158411.867	0.536	0.020268	mg/L

Sample Information

Sample ID: 0A29012-CAL6
Autosampler Position: 7
Sample Date/Time: Friday, January 29, 2010 10:58:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CAL6.006
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	In	115	304814.272	304814.272				mg/L
|	Sb	121	496376.497	1.627	0.049718	0.001	2.678	mg/L
⌊	Sb	123	384417.630	1.260	0.049723	0.001	1.768	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	In	114.904	
|	Sb	120.904	
⌊	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈.	In	115	305350.846	305350.846		mg/L
|	Sb	121	481915.651	1.577	0.046182	mg/L
⌊	Sb	123	377467.707	1.235	0.046738	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈.	In	115	303197.182	303197.182		mg/L
|	Sb	121	501907.686	1.654	0.050540	mg/L
⌊	Sb	123	387815.054	1.278	0.050429	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈.	In	115	305894.777	305894.777		mg/L
|	Sb	121	505308.181	1.650	0.050433	mg/L
⌊	Sb	123	387980.129	1.267	0.050001	mg/L

Sample Information

Sample ID: 0A29012-CAL7
Autosampler Position: 8
Sample Date/Time: Friday, January 29, 2010 11:00:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CAL7.007
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	308560.359	308560.359				mg/L
	Sb	121	994085.974	3.220	0.099626	0.001	0.735	mg/L
	Sb	123	766232.167	2.482	0.099519	0.002	1.799	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	308301.415	308301.415		mg/L
Sb	121	996334.744	3.184	0.099611	mg/L
Sb	123	753371.824	2.436	0.097809	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	307009.489	307009.489		mg/L
Sb	121	995072.328	3.240	0.100228	mg/L
Sb	123	774978.837	2.523	0.101159	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	308370.173	308370.173		mg/L
Sb	121	994850.854	3.227	0.099541	mg/L
Sb	123	770348.240	2.469	0.098787	mg/L

: 01055

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
In	114.904	Linear Thru Zero	0.00	0.00	0.000000
Sb	120.904	Linear Thru Zero	32.32	0.00	0.999957
Sb	122.904	Linear Thru Zero	24.94	0.00	0.999943

Method Equation

Analyte	Mass	Corrections
In	114.904	- 0.014038 * Sn 118
Sb	122.904	- 0.125884 * Te 125

Sample Information

Sample ID: 0A29012-SCV1
Autosampler Position: 2
Sample Date/Time: Friday, January 29, 2010 11:02:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-SCV1.008
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	303451.483	303451.483				mg/L
	Sb	121	392937.504	1.294	0.040019	0.001	1.392	mg/L
	Sb	123	306586.883	1.009	0.040466	0.001	1.410	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	98.162
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	304132.505	304132.505		mg/L
Sb	121	388716.323	1.280	0.039569	mg/L
Sb	123	303414.256	0.997	0.039658	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	305058.030	305058.030		mg/L
Sb	121	392950.022	1.287	0.039807	mg/L
Sb	123	307433.249	1.007	0.040391	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	301162.913	301162.913		mg/L
Sb	121	388148.169	1.314	0.040650	mg/L
Sb	123	306913.146	1.025	0.041081	mg/L

: 01057

Sample Information

Sample ID: 0A29012-CCB
Autosampler Position: 1
Sample Date/Time: Friday, January 29, 2010 11:05:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CCB.009
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	301972.128	301972.128				mg/L
	Sb	121	760.376	0.001	0.000035	0.000	16.273	mg/L
	Sb	123	587.351	0.001	0.000036	0.000	10.212	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	97.683
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	304404.830	304404.830		mg/L
	Sb	121	705.037	0.001	0.000028	mg/L
	Sb	123	582.788	0.001	0.000032	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	300584.080	300584.080		mg/L
	Sb	121	773.044	0.001	0.000038	mg/L
	Sb	123	587.788	0.001	0.000037	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	300917.484	300917.484		mg/L
	Sb	121	803.047	0.001	0.000039	mg/L
	Sb	123	611.518	0.001	0.000040	mg/L

: 01058

Sample Information

Sample ID: 0A29012-CRL1
Autosampler Position: 4
Sample Date/Time: Friday, January 29, 2010 11:07:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CRL1.010
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	300125.313	300125.313				mg/L
	Sb	121	10652.578	0.034	0.001055	0.000	1.695	mg/L
	Sb	123	8239.565	0.026	0.001059	0.000	2.918	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	97.086
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	303911.109	303911.109		mg/L
Sb	121	10813.881	0.034	0.001037	mg/L
Sb	123	8208.117	0.028	0.001041	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	298408.089	298408.089		mg/L
Sb	121	10588.830	0.034	0.001055	mg/L
Sb	123	8458.741	0.027	0.001066	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	298058.732	298058.732		mg/L
Sb	121	10754.042	0.035	0.001073	mg/L
Sb	123	8050.838	0.026	0.001041	mg/L

Sample Information

Sample ID: 0A29012-IFA1
Autosampler Position: 10
Sample Date/Time: Friday, January 29, 2010 11:09:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-IFA1.011
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	297451.405	297451.405				mg/L
	Sb	121	626.363	0.001	0.000022	0.000	15.892	mg/L
	Sb	123	504.095	0.001	0.000026	0.000	17.050	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	96.221
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	296823.029	296823.029		mg/L
Sb	121	613.029	0.001	0.000020	mg/L
Sb	123	472.388	0.001	0.000022	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	297245.428	297245.428		mg/L
Sb	121	604.028	0.001	0.000020	mg/L
Sb	123	508.132	0.001	0.000028	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	298186.761	298186.761		mg/L
Sb	121	662.033	0.001	0.000028	mg/L
Sb	123	533.764	0.001	0.000030	mg/L

: 01060

Sample Information

Sample ID: 0A29012-IFB1
Autosampler Position: 11
Sample Date/Time: Friday, January 29, 2010 11:11:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-IFB1.012
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	294358.984	294358.984				mg/L
	Sb	121	188886.283	0.640	0.019809	0.000	0.521	mg/L
	Sb	123	146647.827	0.497	0.019931	0.000	0.448	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	95.221
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	291157.989	291157.989		mg/L
Sb	121	187975.883	0.643	0.019686	mg/L
Sb	123	144922.373	0.497	0.019813	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	294007.828	294007.828		mg/L
Sb	121	188886.841	0.641	0.019833	mg/L
Sb	123	145987.781	0.496	0.019852	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	297911.154	297911.154		mg/L
Sb	121	190084.357	0.637	0.019686	mg/L
Sb	123	148133.358	0.500	0.020028	mg/L

01061

Sample Information

Sample ID: 0A29012-CCV 2
Autosampler Position: 2
Sample Date/Time: Friday, January 29, 2010 11:14:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CCV.013
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	299967.241	299967.241				mg/L
[	Sb	121	389357.103	1.297	0.040114	0.001	2.101	mg/L
[	Sb	123	301340.812	1.004	0.040236	0.001	1.914	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	97.035
[	Sb	120.904	
[	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	301123.239	301123.239		mg/L
Sb	121	391450.688	1.265	0.039148	mg/L
Sb	123	296706.382	0.984	0.039481	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	298041.012	298041.012		mg/L
Sb	121	390699.788	1.309	0.040511	mg/L
Sb	123	305120.009	1.023	0.041002	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	300737.473	300737.473		mg/L
Sb	121	386821.875	1.318	0.040868	mg/L
Sb	123	302188.034	1.004	0.040244	mg/L

: 01062

Sample Information

Sample ID: 0A29012-CCB 2
Autosampler Position: 1
Sample Date/Time: Friday, January 29, 2010 11:17:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CCB.014
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	293414.849	293414.849				mg/L
	Sb	121	605.695	0.001	0.000021	0.000	5.451	mg/L
	Sb	123	448.674	0.000	0.000019	0.000	17.932	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	94.915
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	294841.680	294841.680		mg/L
Sb	121	600.028	0.001	0.000020	mg/L
Sb	123	421.630	0.000	0.000015	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	292800.882	292800.882		mg/L
Sb	121	601.028	0.001	0.000020	mg/L
Sb	123	485.258	0.001	0.000022	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	292701.808	292701.808		mg/L
Sb	121	616.029	0.001	0.000022	mg/L
Sb	123	459.138	0.001	0.000021	mg/L

Sample Information

Sample ID: 1000587-BLK1
Autosampler Position: 17
Sample Date/Time: Friday, January 29, 2010 11:19:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1000587-BLK1.015
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	297862.694	297862.694				mg/L
	Sb	121	572.692	0.001	0.000016	0.000	7.005	mg/L
	Sb	123	443.550	0.000	0.000018	0.000	14.725	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	96.354
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	296744.296	296744.296		mg/L
	Sb	121	558.024	0.000	0.000018	mg/L
	Sb	123	452.864	0.000	0.000020	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	298886.729	298886.729		mg/L
	Sb	121	573.028	0.001	0.000018	mg/L
	Sb	123	454.684	0.000	0.000019	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	299147.057	299147.057		mg/L
	Sb	121	587.027	0.001	0.000017	mg/L
	Sb	123	472.882	0.000	0.000019	mg/L

Sample Information

Sample ID: 1000587-BS1
Autosampler Position: 18
Sample Date/Time: Friday, January 29, 2010 11:21:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1000587-BS1.016
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	303978.561	303978.561				mg/L
	Sb	121	373055.222	1.226	0.037922	0.000	0.540	mg/L
	Sb	123	288338.650	0.947	0.037986	0.000	1.223	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	98.332
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	300719.370	300719.370		mg/L
Sb	121	366842.082	1.218	0.037888	mg/L
Sb	123	282831.933	0.939	0.037838	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	307340.871	307340.871		mg/L
Sb	121	377722.439	1.228	0.037978	mg/L
Sb	123	290147.088	0.943	0.037808	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	303875.441	303875.441		mg/L
Sb	121	374801.146	1.231	0.038084	mg/L
Sb	123	292238.949	0.961	0.038514	mg/L

Sample Information

Sample ID: 1001254-03
Autosampler Position: 19
Sample Date/Time: Friday, January 29, 2010 11:24:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001254-03.017
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	298844.516	298844.516				mg/L
	Sb	121	3325.697	0.010	0.000301	0.000	2.342	mg/L
	Sb	123	2667.755	0.008	0.000316	0.000	2.903	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	96.672
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	305810.631	305810.631		mg/L
Sb	121	3323.696	0.009	0.000293	mg/L
Sb	123	2658.048	0.008	0.000307	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	297248.487	297248.487		mg/L
Sb	121	3348.707	0.010	0.000308	mg/L
Sb	123	2680.417	0.008	0.000317	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	293474.431	293474.431		mg/L
Sb	121	3303.686	0.010	0.000305	mg/L
Sb	123	2684.803	0.008	0.000325	mg/L

Sample Information

Sample ID: 1001254-04
Autosampler Position: 20
Sample Date/Time: Friday, January 29, 2010 11:26:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001254-04.018
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	298165.842	298165.842				mg/L
	Sb	121	11400.575	0.037	0.001140	0.000	1.430	mg/L
	Sb	123	9160.134	0.030	0.001190	0.000	1.997	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	96.452
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	298868.828	298868.828		mg/L
	Sb	121	11256.713	0.036	0.001122	mg/L
	Sb	123	9101.108	0.029	0.001179	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	300178.250	300178.250		mg/L
	Sb	121	11612.201	0.037	0.001153	mg/L
	Sb	123	9104.115	0.029	0.001174	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	295329.350	295329.350		mg/L
	Sb	121	11330.811	0.037	0.001144	mg/L
	Sb	123	9275.160	0.030	0.001217	mg/L

: 91067

Sample Information

Sample ID: 1001254-05
Autosampler Position: 21
Sample Date/Time: Friday, January 29, 2010 11:28:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001254-05.019
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	289781.809	289781.809				mg/L
	Sb	121	7251.226	0.024	0.000731	0.000	2.097	mg/L
	Sb	123	5743.497	0.019	0.000753	0.000	1.733	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	93.740
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	290520.559	290520.559		mg/L
Sb	121	7327.293	0.024	0.000737	mg/L
Sb	123	5696.216	0.019	0.000744	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	292047.576	292047.576		mg/L
Sb	121	7144.133	0.023	0.000713	mg/L
Sb	123	5743.486	0.019	0.000747	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	288777.294	288777.294		mg/L
Sb	121	7282.253	0.024	0.000743	mg/L
Sb	123	5791.780	0.019	0.000768	mg/L

: 01068

Sample Information

Sample ID: 1001254-06
Autosampler Position: 22
Sample Date/Time: Friday, January 29, 2010 11:30:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001254-06.020
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	296757.818	296757.818				mg/L
	Sb	121	2725.139	0.008	0.000241	0.000	0.981	mg/L
	Sb	123	2183.360	0.006	0.000253	0.000	4.425	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	95.997
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	298459.665	298459.665		mg/L
	Sb	121	2728.474	0.008	0.000239	mg/L
	Sb	123	2107.863	0.006	0.000240	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	296543.422	296543.422		mg/L
	Sb	121	2765.486	0.008	0.000243	mg/L
	Sb	123	2258.049	0.007	0.000261	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	292270.348	292270.348		mg/L
	Sb	121	2681.458	0.008	0.000241	mg/L
	Sb	123	2186.149	0.006	0.000256	mg/L

Sample Information

Sample ID: 1001254-07
Autosampler Position: 23
Sample Date/Time: Friday, January 29, 2010 11:33:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001254-07.021
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	293957.086	293957.086				mg/L
	Sb	121	6069.270	0.019	0.000595	0.000	0.437	mg/L
	Sb	123	4711.247	0.015	0.000601	0.000	1.743	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	95.091
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	294751.714	294751.714		mg/L
Sb	121	6084.281	0.019	0.000595	mg/L
Sb	123	4671.681	0.015	0.000584	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	293850.078	293850.078		mg/L
Sb	121	6066.264	0.019	0.000596	mg/L
Sb	123	4670.561	0.015	0.000595	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	293468.466	293468.466		mg/L
Sb	121	6035.245	0.019	0.000593	mg/L
Sb	123	4791.466	0.015	0.000613	mg/L

Sample Information

Sample ID: 1001254-08
Autosampler Position: 24
Sample Date/Time: Friday, January 29, 2010 11:35:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001254-08.022
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	301804.835	301804.835				mg/L
	Sb	121	5396.467	0.016	0.000510	0.000	1.533	mg/L
	Sb	123	4355.140	0.013	0.000537	0.000	3.538	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	97.629
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	305753.622	305753.622		mg/L
Sb	121	5378.788	0.016	0.000501	mg/L
Sb	123	4248.721	0.013	0.000515	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	298788.545	298788.545		mg/L
Sb	121	5356.776	0.017	0.000515	mg/L
Sb	123	4360.013	0.014	0.000548	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	302874.337	302874.337		mg/L
Sb	121	5453.838	0.017	0.000514	mg/L
Sb	123	4468.887	0.014	0.000550	mg/L

: 01071

Sample Information

Sample ID: 1001254-09
Autosampler Position: 25
Sample Date/Time: Friday, January 29, 2010 11:37:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001254-09.023
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	287514.865	287514.865				mg/L
	Sb	121	5843.106	0.019	0.000585	0.000	2.035	mg/L
	Sb	123	4543.637	0.015	0.000592	0.000	1.542	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	93.007
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	288671.449	288671.449		mg/L
Sb	121	5757.045	0.019	0.000574	mg/L
Sb	123	4521.128	0.015	0.000589	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	288280.544	288280.544		mg/L
Sb	121	5873.128	0.019	0.000585	mg/L
Sb	123	4536.253	0.015	0.000587	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	284712.802	284712.802		mg/L
Sb	121	5899.148	0.019	0.000588	mg/L
Sb	123	4574.533	0.015	0.000603	mg/L

: 01072

Sample Information

Sample ID: 1000587-MS1
Autosampler Position: 26
Sample Date/Time: Friday, January 29, 2010 11:39:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1000587-MS1.024
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	296406.804	296406.804				mg/L
|	Sb	121	365589.457	1.232	0.038113	0.000	0.308	mg/L
L	Sb	123	284239.590	0.958	0.038405	0.000	1.141	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	95.883
|	Sb	120.904	
L	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[.	In	115	291710.121	291710.121		mg/L
|	Sb	121	358601.018	1.229	0.038008	mg/L
L	Sb	123	279467.677	0.957	0.038370	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[.	In	115	300208.731	300208.731		mg/L
|	Sb	121	370059.788	1.231	0.038082	mg/L
L	Sb	123	284750.044	0.947	0.037988	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[.	In	115	297304.580	297304.580		mg/L
|	Sb	121	367807.566	1.236	0.038240	mg/L
L	Sb	123	286461.048	0.969	0.038858	mg/L

: 01073

Sample Information

Sample ID: 0A29012-CCV Q
Autosampler Position: 2
Sample Date/Time: Friday, January 29, 2010 11:41:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CCV.025
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	In	115	304813.177	304813.177				mg/L
|	Sb	121	390212.269	1.279	0.039568	0.001	2.745	mg/L
⌊	Sb	123	299693.728	0.982	0.039384	0.001	2.416	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	In	114.904	98.602
|	Sb	120.904	
⌊	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	309141.853	309141.853		mg/L
|	Sb	121	383884.843	1.240	0.038261	mg/L
⌊	Sb	123	299847.232	0.955	0.036289	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	300880.364	300880.364		mg/L
|	Sb	121	388332.821	1.280	0.039818	mg/L
⌊	Sb	123	300859.298	1.000	0.040077	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	304847.528	304847.528		mg/L
|	Sb	121	396636.845	1.307	0.040439	mg/L
⌊	Sb	123	302574.884	0.982	0.039777	mg/L

Sample Information

Sample ID: 0A29012-CCB
Autosampler Position: 1
Sample Date/Time: Friday, January 29, 2010 11:44:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CCB.026
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	299627.503	299627.503				mg/L
	Sb	121	532.356	0.000	0.000012	0.000	28.613	mg/L
	Sb	123	370.126	0.000	0.000008	0.000	13.434	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	96.925
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	301019.236	301019.236		mg/L
Sb	121	504.020	0.000	0.000008	mg/L
Sb	123	369.124	0.000	0.000007	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	298888.361	298888.361		mg/L
Sb	121	524.023	0.000	0.000011	mg/L
Sb	123	380.501	0.000	0.000007	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	301173.886	301173.886		mg/L
Sb	121	569.025	0.000	0.000015	mg/L
Sb	123	380.754	0.000	0.000009	mg/L

: 01075

Sample Information

Sample ID: 1000587-MSD1
Autosampler Position: 27
Sample Date/Time: Friday, January 29, 2010 11:46:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1000587-MSD1.027
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	305895.530	305895.530				mg/L
	Sb	121	388481.506	1.269	0.039247	0.000	0.942	mg/L
	Sb	123	299122.776	0.977	0.039163	0.000	1.115	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	98.953
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	303861.771	303861.771		mg/L
Sb	121	384039.440	1.262	0.039053	mg/L
Sb	123	295281.436	0.971	0.038912	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	308141.274	308141.274		mg/L
Sb	121	390263.891	1.261	0.039014	mg/L
Sb	123	300349.533	0.971	0.038809	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	304883.645	304883.645		mg/L
Sb	121	391125.089	1.262	0.039073	mg/L
Sb	123	301757.391	0.989	0.039087	mg/L

: 01076

Sample Information

Sample ID: 0A29012-SRD1
Autosampler Position: 28
Sample Date/Time: Friday, January 29, 2010 11:49:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-SRD1.028
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	292938.020	292938.020				mg/L
	Sb	121	1466.810	0.004	0.000112	0.000	1.719	mg/L
	Sb	123	1158.745	0.003	0.000117	0.000	1.863	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	94.761
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	294084.822	294084.822		mg/L
	Sb	121	1480.143	0.004	0.000110	mg/L
	Sb	123	1144.824	0.003	0.000114	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	292833.708	292833.708		mg/L
	Sb	121	1466.147	0.004	0.000114	mg/L
	Sb	123	1166.331	0.003	0.000118	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	292115.833	292115.833		mg/L
	Sb	121	1454.141	0.004	0.000111	mg/L
	Sb	123	1165.079	0.003	0.000118	mg/L

: 01077

Sample Information

Sample ID: 1000587-PS1
Autosampler Position: 29
Sample Date/Time: Friday, January 29, 2010 11:51:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1000587-PS1.029
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	300692.922	300692.922				mg/L
	Sb	121	189896.154	0.630	0.019495	0.000	0.635	mg/L
	Sb	123	146842.171	0.487	0.019538	0.000	1.734	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	97.270
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	302997.861	302997.861		mg/L
	Sb	121	190241.483	0.628	0.019361	mg/L
	Sb	123	145028.418	0.478	0.019147	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	299729.366	299729.366		mg/L
	Sb	121	189116.701	0.630	0.019478	mg/L
	Sb	123	147977.656	0.493	0.019751	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	298351.386	298351.386		mg/L
	Sb	121	190329.889	0.634	0.019628	mg/L
	Sb	123	147522.439	0.492	0.019719	mg/L

: 01078

Sample Information

Sample ID: 1001254-10
Autosampler Position: 30
Sample Date/Time: Friday, January 29, 2010 11:54:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001254-10.030
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	293798.875	293798.875				mg/L
	Sb	121	7432.054	0.024	0.000739	0.000	2.575	mg/L
	Sb	123	5825.079	0.019	0.000753	0.000	3.663	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	95.039
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	297033.084	297033.084		mg/L
Sb	121	7318.283	0.023	0.000719	mg/L
Sb	123	5885.302	0.018	0.000723	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	289438.081	289438.081		mg/L
Sb	121	7479.430	0.024	0.000756	mg/L
Sb	123	5908.884	0.019	0.000777	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	294825.488	294825.488		mg/L
Sb	121	7500.449	0.024	0.000743	mg/L
Sb	123	5900.871	0.019	0.000760	mg/L

Sample Information

Sample ID: 1000664-BLK1
Autosampler Position: 31
Sample Date/Time: Friday, January 29, 2010 11:56:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1000664-BLK1.031
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	304649.580	304649.580				mg/L
	Sb	121	378.012	-0.000	-0.000005	0.000	100.762	mg/L
	Sb	123	293.290	-0.000	-0.000003	0.000	71.297	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	98.549
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	307371.854	307371.854		mg/L
	Sb	121	436.016	0.000	0.000001	mg/L
	Sb	123	278.371	-0.000	-0.000008	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	303700.978	303700.978		mg/L
	Sb	121	336.010	-0.000	-0.000009	mg/L
	Sb	123	297.824	-0.000	-0.000003	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	302878.110	302878.110		mg/L
	Sb	121	362.011	-0.000	-0.000005	mg/L
	Sb	123	305.678	-0.000	-0.000001	mg/L

: 01080

Sample Information

Sample ID: 1000664-BS1
Autosampler Position: 32
Sample Date/Time: Friday, January 29, 2010 11:59:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1000664-BS1.032
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	308368.650	308368.650				mg/L
	Sb	121	376652.979	1.220	0.037743	0.000	0.541	mg/L
	Sb	123	292835.090	0.949	0.038029	0.000	0.657	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	99.753
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	308367.350	308367.350		mg/L
Sb	121	371888.589	1.212	0.037507	mg/L
Sb	123	288328.977	0.943	0.037817	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	308319.841	308319.841		mg/L
Sb	121	377783.088	1.224	0.037883	mg/L
Sb	123	292288.183	0.947	0.037986	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	310398.859	310398.859		mg/L
Sb	121	380297.251	1.224	0.037859	mg/L
Sb	123	296887.139	0.958	0.038304	mg/L

: 01081

Sample Information

Sample ID: 1001286-01
Autosampler Position: 33
Sample Date/Time: Friday, January 29, 2010 12:02:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001286-01.033
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	In	115	287239.370	287239.370				mg/L
|	Sb	121	4151.075	0.013	0.000404	0.000	1.949	mg/L
⌊	Sb	123	3349.143	0.011	0.000426	0.000	0.980	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	In	114.904	92.918
|	Sb	120.904	
⌊	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	288170.784	288170.784		mg/L
|	Sb	121	4060.039	0.013	0.000388	mg/L
⌊	Sb	123	3325.504	0.010	0.000421	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	288087.853	288087.853		mg/L
|	Sb	121	4204.102	0.013	0.000408	mg/L
⌊	Sb	123	3378.407	0.011	0.000428	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	286448.374	286448.374		mg/L
|	Sb	121	4198.084	0.013	0.000408	mg/L
⌊	Sb	123	3343.518	0.011	0.000428	mg/L

Sample Information

Sample ID: 1001286-02
Autosampler Position: 34
Sample Date/Time: Friday, January 29, 2010 12:04:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001286-02.034
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	In	115	297941.976	297941.976				mg/L
|	Sb	121	2175.306	0.006	0.000183	0.000	1.264	mg/L
⌊	Sb	123	1645.697	0.004	0.000180	0.000	0.819	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	In	114.904	96.380
|	Sb	120.904	
⌊	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈-	In	115	300083.288	300083.288		mg/L
|	Sb	121	2171.306	0.006	0.000181	mg/L
⌊	Sb	123	1648.829	0.004	0.000178	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈-	In	115	301386.508	301386.508		mg/L
|	Sb	121	2180.311	0.006	0.000182	mg/L
⌊	Sb	123	1665.043	0.004	0.000180	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈-	In	115	292348.138	292348.138		mg/L
|	Sb	121	2156.301	0.006	0.000185	mg/L
⌊	Sb	123	1625.818	0.004	0.000181	mg/L

Sample Information

Sample ID: 1001286-03
Autosampler Position: 35
Sample Date/Time: Friday, January 29, 2010 12:06:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001286-03.035
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	278558.241	278558.241				mg/L
	Sb	121	3700.859	0.012	0.000368	0.000	2.803	mg/L
	Sb	123	3042.417	0.010	0.000396	0.000	0.811	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	90.109
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	284473.058	284473.058		mg/L
Sb	121	3685.832	0.012	0.000368	mg/L
Sb	123	3083.521	0.010	0.000383	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	274297.755	274297.755		mg/L
Sb	121	3736.875	0.012	0.000378	mg/L
Sb	123	2987.998	0.010	0.000388	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	276903.913	276903.913		mg/L
Sb	121	3679.849	0.012	0.000389	mg/L
Sb	123	3046.745	0.010	0.000389	mg/L

Sample Information

Sample ID: 1001286-04
Autosampler Position: 36
Sample Date/Time: Friday, January 29, 2010 12:08:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001286-04.036
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	285895.011	285895.011				mg/L
	Sb	121	165048.501	0.576	0.017816	0.000	0.503	mg/L
	Sb	123	128532.875	0.449	0.017983	0.000	0.334	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	92.483
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

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

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	283809.233	283809.233		mg/L
Sb	121	163234.647	0.574	0.017790	mg/L
Sb	123	127864.031	0.450	0.018034	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	286418.532	286418.532		mg/L
Sb	121	166293.466	0.579	0.017918	mg/L
Sb	123	128299.380	0.447	0.017917	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	287458.267	287458.267		mg/L
Sb	121	165817.190	0.575	0.017791	mg/L
Sb	123	129335.212	0.449	0.017986	mg/L

Sample Information

Sample ID: 0A29012-CCV
Autosampler Position: 2
Sample Date/Time: Friday, January 29, 2010 12:10:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CCV.037
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	298841.094	298841.094				mg/L
	Sb	121	395234.209	1.321	0.040873	0.001	1.485	mg/L
	Sb	123	304933.743	1.019	0.040867	0.000	0.603	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	96.671
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	298829.419	298829.419		mg/L
	Sb	121	398759.283	1.298	0.040172	mg/L
	Sb	123	304262.488	1.014	0.040842	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	297741.733	297741.733		mg/L
	Sb	121	397257.240	1.333	0.041233	mg/L
	Sb	123	303529.861	1.018	0.040828	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	298982.129	298982.129		mg/L
	Sb	121	398698.124	1.332	0.041214	mg/L
	Sb	123	307011.791	1.028	0.041130	mg/L

Sample Information

Sample ID: 0A29012-CCB
Autosampler Position: 1
Sample Date/Time: Friday, January 29, 2010 12:13:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CCB.038
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	295544.141	295544.141				mg/L
	Sb	121	419.015	0.000	0.000001	0.000	873.491	mg/L
	Sb	123	345.833	0.000	0.000005	0.000	44.254	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	95.604
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	297448.736	297448.736		mg/L
	Sb	121	406.014	-0.000	-0.000001	mg/L
	Sb	123	338.877	0.000	0.000004	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	293512.152	293512.152		mg/L
	Sb	121	470.018	0.000	0.000006	mg/L
	Sb	123	333.498	0.000	0.000004	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	295673.537	295673.537		mg/L
	Sb	121	381.013	-0.000	-0.000003	mg/L
	Sb	123	365.123	0.000	0.000008	mg/L

Sample Information

Sample ID: 1001286-05
Autosampler Position: 37
Sample Date/Time: Friday, January 29, 2010 12:15:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001286-05.039
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	277990.842	277990.842				mg/L
|	Sb	121	3489.099	0.011	0.000345	0.000	2.657	mg/L
L	Sb	123	2917.766	0.009	0.000379	0.000	0.986	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	89.926
|	Sb	120.904	
L	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	278250.014	278250.014		mg/L
|	Sb	121	3500.779	0.011	0.000348	mg/L
L	Sb	123	2950.107	0.010	0.000383	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	278818.143	278818.143		mg/L
|	Sb	121	3410.732	0.011	0.000335	mg/L
L	Sb	123	2905.720	0.009	0.000376	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	277103.388	277103.388		mg/L
|	Sb	121	3565.794	0.011	0.000364	mg/L
L	Sb	123	2887.472	0.009	0.000377	mg/L

Sample Information

Sample ID: 1001286-06
Autosampler Position: 38
Sample Date/Time: Friday, January 29, 2010 12:18:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001286-06.040
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	287211.622	287211.622				mg/L
	Sb	121	12908.787	0.044	0.001347	0.000	1.143	mg/L
	Sb	123	10100.614	0.034	0.001368	0.000	1.470	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	92.909
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	287487.303	287487.303		mg/L
	Sb	121	12780.837	0.043	0.001333	mg/L
	Sb	123	9948.218	0.034	0.001345	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	286156.308	286156.308		mg/L
	Sb	121	12929.151	0.043	0.001346	mg/L
	Sb	123	10240.564	0.034	0.001383	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	285888.256	285888.256		mg/L
	Sb	121	13008.272	0.044	0.001364	mg/L
	Sb	123	10115.040	0.034	0.001378	mg/L

: 01089

Sample Information

Sample ID: 1001286-07
Autosampler Position: 39
Sample Date/Time: Friday, January 29, 2010 12:20:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001286-07.041
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	269266.467	269266.467				mg/L
	Sb	121	3608.151	0.012	0.000371	0.000	1.235	mg/L
	Sb	123	2961.522	0.010	0.000399	0.000	2.027	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	87.104
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	272477.159	272477.159		mg/L
Sb	121	3671.845	0.012	0.000374	mg/L
Sb	123	2975.381	0.010	0.000388	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	264881.988	264881.988		mg/L
Sb	121	3603.771	0.012	0.000388	mg/L
Sb	123	2974.612	0.010	0.000408	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	270440.274	270440.274		mg/L
Sb	121	3648.836	0.012	0.000374	mg/L
Sb	123	2934.881	0.010	0.000383	mg/L

: 01090

Sample Information

Sample ID: 1000664-MS1
Autosampler Position: 40
Sample Date/Time: Friday, January 29, 2010 12:22:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1000664-MS1.042
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	277189.244	277189.244				mg/L
	Sb	121	346439.755	1.249	0.038627	0.001	1.894	mg/L
	Sb	123	268325.720	0.967	0.038771	0.001	1.581	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	89.666
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	278083.353	278083.353		mg/L
Sb	121	346100.304	1.243	0.038480	mg/L
Sb	123	268534.028	0.967	0.038394	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	279152.889	279152.889		mg/L
Sb	121	343212.443	1.228	0.037993	mg/L
Sb	123	268022.011	0.959	0.038461	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	274331.490	274331.490		mg/L
Sb	121	350008.518	1.274	0.039427	mg/L
Sb	123	270421.122	0.968	0.038478	mg/L

: 01091

Sample Information

Sample ID: 1000664-MSD1
Autosampler Position: 41
Sample Date/Time: Friday, January 29, 2010 12:24:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1000664-MSD1.043
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	273685.916	273685.916				mg/L
	Sb	121	344648.721	1.258	0.038916	0.000	0.825	mg/L
	Sb	123	266760.331	0.974	0.039037	0.000	1.025	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	88.533
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	275043.700	275043.700		mg/L
Sb	121	343335.355	1.247	0.038578	mg/L
Sb	123	265670.354	0.985	0.038883	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	271167.835	271167.835		mg/L
Sb	121	344081.189	1.267	0.039212	mg/L
Sb	123	267256.301	0.986	0.038471	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	274648.213	274648.213		mg/L
Sb	121	346529.808	1.259	0.038982	mg/L
Sb	123	267366.337	0.972	0.038867	mg/L

: 01092

Sample Information

Sample ID: 0A29012-SRD2
Autosampler Position: 42
Sample Date/Time: Friday, January 29, 2010 12:27:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-SRD2.044
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	290620.508	290620.508				mg/L
	Sb	121	1080.748	0.002	0.000072	0.000	3.139	mg/L
	Sb	123	845.860	0.002	0.000075	0.000	4.862	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	94.011
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	291674.867	291674.867		mg/L
	Sb	121	1083.079	0.002	0.000070	mg/L
	Sb	123	848.527	0.002	0.000075	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	291108.380	291108.380		mg/L
	Sb	121	1105.084	0.002	0.000074	mg/L
	Sb	123	831.147	0.002	0.000071	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	288078.197	288078.197		mg/L
	Sb	121	1072.080	0.003	0.000071	mg/L
	Sb	123	867.807	0.003	0.000079	mg/L

Sample Information

Sample ID: 1000664-PS1
Autosampler Position: 43
Sample Date/Time: Friday, January 29, 2010 12:29:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1000664-PS1.045
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	261831.778	261831.778				mg/L
	Sb	121	169964.856	0.648	0.020040	0.000	1.224	mg/L
	Sb	123	131984.358	0.503	0.020169	0.000	1.924	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	84.699
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	263287.809	263287.809		mg/L
Sb	121	168704.225	0.639	0.019781	mg/L
Sb	123	129842.228	0.482	0.019731	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	258108.041	258108.041		mg/L
Sb	121	170122.641	0.658	0.020269	mg/L
Sb	123	132587.144	0.511	0.020470	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	263119.484	263119.484		mg/L
Sb	121	171087.704	0.649	0.020070	mg/L
Sb	123	133543.704	0.508	0.020308	mg/L

: 01094

Sample Information

Sample ID: 1001286-08
Autosampler Position: 44
Sample Date/Time: Friday, January 29, 2010 12:32:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001286-08.046
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	284355.171	284355.171				mg/L
	Sb	121	5579.590	0.018	0.000564	0.000	1.547	mg/L
	Sb	123	4674.212	0.015	0.000617	0.000	3.258	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	91.985
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	284883.482	284883.482		mg/L
	Sb	121	5586.836	0.018	0.000568	mg/L
	Sb	123	4583.189	0.015	0.000594	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	276208.694	276208.694		mg/L
	Sb	121	5544.800	0.018	0.000573	mg/L
	Sb	123	4642.183	0.016	0.000627	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	285972.337	285972.337		mg/L
	Sb	121	5586.836	0.018	0.000562	mg/L
	Sb	123	4797.288	0.016	0.000631	mg/L

Sample Information

Sample ID: 1001286-09
Autosampler Position: 45
Sample Date/Time: Friday, January 29, 2010 12:34:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001286-09.047
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	285603.797	285603.797				mg/L
	Sb	121	5537.561	0.018	0.000557	0.000	2.263	mg/L
	Sb	123	4596.459	0.015	0.000603	0.000	1.457	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	92.388
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	293428.527	293428.527		mg/L
Sb	121	5587.919	0.018	0.000544	mg/L
Sb	123	4688.458	0.016	0.000598	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	282389.399	282389.399		mg/L
Sb	121	5483.899	0.018	0.000558	mg/L
Sb	123	4613.305	0.015	0.000613	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	281013.466	281013.466		mg/L
Sb	121	5540.910	0.018	0.000569	mg/L
Sb	123	4507.817	0.015	0.000601	mg/L

Sample Information

Sample ID: 1001286-10
Autosampler Position: 46
Sample Date/Time: Friday, January 29, 2010 12:36:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001286-10.048
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	290073.285	290073.285				mg/L
	Sb	121	5420.483	0.017	0.000535	0.000	1.732	mg/L
	Sb	123	4468.920	0.014	0.000576	0.000	1.192	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	93.834
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	292413.291	292413.291		mg/L
Sb	121	5372.785	0.017	0.000525	mg/L
Sb	123	4477.282	0.014	0.000572	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	287550.798	287550.798		mg/L
Sb	121	5454.838	0.018	0.000544	mg/L
Sb	123	4467.129	0.015	0.000584	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	290258.785	290258.785		mg/L
Sb	121	5433.829	0.017	0.000536	mg/L
Sb	123	4442.389	0.014	0.000572	mg/L

: 01097

Sample Information

Sample ID: 0A29012-CCV
Autosampler Position: 2
Sample Date/Time: Friday, January 29, 2010 12:38:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CCV.049
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	300324.081	300324.081				mg/L
	Sb	121	392941.122	1.307	0.040437	0.001	1.898	mg/L
	Sb	123	304167.447	1.012	0.040563	0.000	0.822	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	97.150
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	300825.145	300825.145		mg/L
Sb	121	385708.112	1.281	0.039823	mg/L
Sb	123	301780.809	1.002	0.040178	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	297053.928	297053.928		mg/L
Sb	121	395608.839	1.330	0.041147	mg/L
Sb	123	302318.857	1.017	0.040780	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	303083.171	303083.171		mg/L
Sb	121	397808.316	1.310	0.040540	mg/L
Sb	123	306382.679	1.016	0.040750	mg/L

Sample Information

Sample ID: 0A29012-CCB
Autosampler Position: 1
Sample Date/Time: Friday, January 29, 2010 12:41:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CCB.050
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	289895.409	289895.409				mg/L
	Sb	121	341.677	-0.000	-0.000007	0.000	11.024	mg/L
	Sb	123	282.415	-0.000	-0.000003	0.000	32.871	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	93.777
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	288327.742	288327.742		mg/L
Sb	121	343.010	-0.000	-0.000008	mg/L
Sb	123	275.252	-0.000	-0.000004	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	290238.483	290238.483		mg/L
Sb	121	347.011	-0.000	-0.000008	mg/L
Sb	123	281.119	-0.000	-0.000003	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	291121.991	291121.991		mg/L
Sb	121	335.010	-0.000	-0.000008	mg/L
Sb	123	280.875	-0.000	-0.000002	mg/L

Sample Information

Sample ID: 1001286-11
Autosampler Position: 47
Sample Date/Time: Friday, January 29, 2010 12:44:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001286-11.051
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	267892.041	267892.041				mg/L
	Sb	121	4304.821	0.015	0.000454	0.000	1.553	mg/L
	Sb	123	3349.422	0.011	0.000459	0.000	1.623	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	86.659
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	271154.097	271154.097		mg/L
Sb	121	4308.197	0.014	0.000448	mg/L
Sb	123	3341.040	0.011	0.000452	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	267241.475	267241.475		mg/L
Sb	121	4303.188	0.015	0.000462	mg/L
Sb	123	3352.194	0.012	0.000467	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	265280.852	265280.852		mg/L
Sb	121	4242.122	0.015	0.000451	mg/L
Sb	123	3315.030	0.011	0.000459	mg/L

: 01100

Sample Information

Sample ID: 1001286-12
Autosampler Position: 48
Sample Date/Time: Friday, January 29, 2010 12:46:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001286-12.052
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	254995.542	254995.542				mg/L
	Sb	121	1363.125	0.004	0.000122	0.000	2.636	mg/L
	Sb	123	1180.742	0.004	0.000144	0.000	2.394	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	82.487
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

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

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	256234.836	256234.836		mg/L
Sb	121	1341.121	0.004	0.000119	mg/L
Sb	123	1161.534	0.003	0.000140	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	252844.398	252844.398		mg/L
Sb	121	1355.124	0.004	0.000123	mg/L
Sb	123	1188.041	0.004	0.000145	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	256107.298	256107.298		mg/L
Sb	121	1393.130	0.004	0.000125	mg/L
Sb	123	1194.851	0.004	0.000145	mg/L

: 01101

Sample Information

Sample ID: 1001286-13
Autosampler Position: 49
Sample Date/Time: Friday, January 29, 2010 12:48:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001286-13.053
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	258642.379	258642.379				mg/L
	Sb	121	5533.892	0.020	0.000619	0.000	2.083	mg/L
	Sb	123	4512.177	0.016	0.000658	0.000	2.527	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	83.667
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	258232.535	258232.535		mg/L
Sb	121	5543.889	0.020	0.000621	mg/L
Sb	123	4561.494	0.017	0.000665	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	257320.885	257320.885		mg/L
Sb	121	5602.838	0.020	0.000630	mg/L
Sb	123	4585.621	0.017	0.000670	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	260373.738	260373.738		mg/L
Sb	121	5464.838	0.020	0.000605	mg/L
Sb	123	4418.416	0.016	0.000638	mg/L

: 01102

Sample Information

Sample ID: 1001286-14
Autosampler Position: 50
Sample Date/Time: Friday, January 29, 2010 12:50:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001286-14.054
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	290768.328	290768.328				mg/L
	Sb	121	3443.413	0.010	0.000323	0.000	2.446	mg/L
	Sb	123	2655.299	0.008	0.000324	0.000	2.082	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	94.059
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	290838.211	290838.211		mg/L
Sb	121	3358.711	0.010	0.000314	mg/L
Sb	123	2610.289	0.008	0.000318	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	291633.842	291633.842		mg/L
Sb	121	3502.771	0.011	0.000328	mg/L
Sb	123	2690.669	0.008	0.000324	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	288834.930	288834.930		mg/L
Sb	121	3497.756	0.011	0.000327	mg/L
Sb	123	2684.938	0.008	0.000331	mg/L

Sample Information

Sample ID: 1001286-15
Autosampler Position: 51
Sample Date/Time: Friday, January 29, 2010 12:52:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001286-15.055
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	268461.308	268461.308				mg/L
	Sb	121	7911.833	0.028	0.000869	0.000	2.663	mg/L
	Sb	123	6034.359	0.021	0.000860	0.000	2.845	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	86.843
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	273317.414	273317.414		mg/L
Sb	121	7821.747	0.027	0.000842	mg/L
Sb	123	5988.530	0.021	0.000834	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	266325.128	266325.128		mg/L
Sb	121	7950.871	0.028	0.000880	mg/L
Sb	123	6008.822	0.022	0.000862	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	265741.364	265741.364		mg/L
Sb	121	7962.862	0.029	0.000884	mg/L
Sb	123	6126.627	0.022	0.000882	mg/L

: 01104

Sample Information

Sample ID: 1001286-16
Autosampler Position: 52
Sample Date/Time: Friday, January 29, 2010 12:54:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\1001286-16.056
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	277176.258	277176.258				mg/L
	Sb	121	15164.938	0.053	0.001649	0.000	1.121	mg/L
	Sb	123	11960.957	0.042	0.001689	0.000	2.754	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	89.662
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	278726.139	278726.139		mg/L
Sb	121	15119.855	0.053	0.001635	mg/L
Sb	123	11747.881	0.041	0.001648	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	273772.294	273772.294		mg/L
Sb	121	15183.836	0.054	0.001670	mg/L
Sb	123	12182.712	0.043	0.001738	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	279030.341	279030.341		mg/L
Sb	121	15211.022	0.053	0.001643	mg/L
Sb	123	11972.297	0.042	0.001678	mg/L

: 01105

Sample Information

Sample ID: 0A29012-CCV
Autosampler Position: 2
Sample Date/Time: Friday, January 29, 2010 12:56:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CCV.057
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	288377.926	288377.926				mg/L
	Sb	121	385938.428	1.337	0.041362	0.001	1.908	mg/L
	Sb	123	298469.521	1.034	0.041456	0.001	1.668	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	93.286
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	290780.344	290780.344		mg/L
Sb	121	382117.191	1.313	0.040814	mg/L
Sb	123	295303.352	1.015	0.040878	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	286579.980	286579.980		mg/L
Sb	121	382846.558	1.336	0.041286	mg/L
Sb	123	300461.133	1.047	0.041894	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	287793.468	287793.468		mg/L
Sb	121	382851.537	1.364	0.042167	mg/L
Sb	123	298824.078	1.040	0.041887	mg/L

01106

Sample Information

Sample ID: 0A29012-CCB
Autosampler Position: 1
Sample Date/Time: Friday, January 29, 2010 12:59:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A29012.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A29012\0A29012-CCB.058
Tuning File: C:\Elandata\Tuning\29JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\29JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	279189.709	279189.709				mg/L
	Sb	121	343.677	-0.000	-0.000005	0.000	72.090	mg/L
	Sb	123	263.373	-0.000	-0.000004	0.000	64.568	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	90.314
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	279100.757	279100.757		mg/L
Sb	121	308.009	-0.000	-0.000008	mg/L
Sb	123	248.747	-0.000	-0.000005	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	281208.589	281208.569		mg/L
Sb	121	350.011	-0.000	-0.000005	mg/L
Sb	123	256.486	-0.000	-0.000005	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	277281.810	277281.810		mg/L
Sb	121	373.012	-0.000	-0.000002	mg/L
Sb	123	281.875	-0.000	-0.000001	mg/L

: 91107

SECTION - D

INORGANIC - METALS

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

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011810

USEPA-7471A

: 01109

SAMPLE ID SUMMARY

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-011810-062	1001254-03
S-SO-56394-CB-011810-072	1001254-04
S-SO-56394-CB-011810-057	1001254-05
S-SO-56394-DR-011910-1024	1001254-06
S-SO-56394-CB-011910-077	1001254-07
SD-SO-56394-CB-011910-077	1001254-08
S-SO-56394-CB-011910-081	1001254-09
S-SO-56394-CB-011910-086	1001254-10
S-SO-56394-CB-011910-090	1001286-01
S-SO-56394-CB-012010-094	1001286-02
S-SO-56394-CB-012010-099	1001286-03
S-SO-56394-DR-012010-1031	1001286-04
S-SO-56394-DR-012010-1035	1001286-05
S-SO-56394-DR-012010-1038	1001286-06
S-SO-56394-DR-012110-1045	1001286-07
S-SO-56394-DR-012110-1049	1001286-08
SD-SO-56394-DR-012110-1049	1001286-09
S-SO-56394-DR-012110-1050	1001286-10
S-SO-56394-CB-012010-105	1001286-11
S-SO-56394-CB-012110-107	1001286-12
S-SO-56394-CB-012110-109	1001286-13
S-SO-56394-CB-012110-114	1001286-14
S-SO-56394-CB-012110-116	1001286-15
S-SO-56394-CB-012110-118	1001286-16

: 01110

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-011810-062

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 13:45
Solids: 89.19
Laboratory ID: 1001254-03

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3044 g / 50 mL
QC Batch: 1000650

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.062	mg/kg dry wt.	1	0.050	0.016		01/26/10 10:19

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-011810-072

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 16:15
Solids: 83.11
Laboratory ID: 1001254-04

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.309 g / 50 mL
QC Batch: 1000650

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.13	mg/kg dry wt.	1	0.050	0.016		01/26/10 10:23

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-011810-057

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 11:25
Solids: 91.56
Laboratory ID: 1001254-05

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3252 g / 50 mL
QC Batch: 1000650

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.18	mg/kg dry wt.	1	0.046	0.015		01/26/10 10:28

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-DR-011910-1024

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 11:30
Solids: 92.07
Laboratory ID: 1001254-06

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3029 g / 50 mL
QC Batch: 1000650

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.092	mg/kg dry wt.	1	0.050	0.016		01/26/10 10:33

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 41.10
Laboratory ID: 1001254-07

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3135 g / 50 mL
QC Batch: 1000650

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.027	mg/kg dry wt.	1	0.050	0.016	J	01/26/10 11:03

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

SD-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Preparation: 7471A Mercury Digestion
Sampled: 01/19/10 09:50
Prepared: 01/25/10 14:00
Solids: 40.12
Initial/Final: 0.3048 g / 50 mL
Laboratory ID: 1001254-08
QC Batch: 1000650

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.032	mg/kg dry wt.	1	0.050	0.016	J	01/26/10 11:08

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 12:50
Solids: 92.31
Laboratory ID: 1001254-09

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3049 g / 50 mL
QC Batch: 1000650

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.039	mg/kg dry wt.	1	0.050	0.016	J	01/26/10 11:13

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-011910-086

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 15:20
Solids: 78.78
Laboratory ID: 1001254-10

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3018 g / 50 mL
QC Batch: 1000650

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	1.1	mg/kg dry wt.	5	0.25	0.082		01/26/10 14:00

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-011910-090

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 16:10
Solids: 91.15
Laboratory ID: 1001286-01

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3087 g / 50 mL
QC Batch: 1000652

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.050	mg/kg dry wt.	1	0.050	0.016	U	01/26/10 12:19

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012010-094

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 10:50
Solids: 92.11
Laboratory ID: 1001286-02

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3018 g / 50 mL
QC Batch: 1000652

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.050	mg/kg dry wt.	1	0.050	0.016	U	01/26/10 12:24

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012010-099

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 13:50
Solids: 95.28
Laboratory ID: 1001286-03

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3124 g / 50 mL
QC Batch: 1000652

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.050	mg/kg dry wt.	1	0.050	0.016	U	01/26/10 12:29

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-DR-012010-1031

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 08:45
Solids: 83.21
Laboratory ID: 1001286-04

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3019 g / 50 mL
QC Batch: 1000652

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.12	mg/kg dry wt.	1	0.050	0.016		01/26/10 12:33

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-DR-012010-1035

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 12:10
Solids: 94.63
Laboratory ID: 1001286-05

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3021 g / 50 mL
QC Batch: 1000652

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.050	mg/kg dry wt.	1	0.050	0.016	U	01/26/10 12:39

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-DR-012010-1038

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 14:00
Solids: 78.15
Laboratory ID: 1001286-06

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3053 g / 50 mL
QC Batch: 1000652

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.24	mg/kg dry wt.	1	0.050	0.016		01/26/10 12:44

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 08:55
Solids: 93.43
Laboratory ID: 1001286-07

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3028 g / 50 mL
QC Batch: 1000652

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.050	mg/kg dry wt.	1	0.050	0.016	U	01/26/10 12:49

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 77.71
Laboratory ID: 1001286-08

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3024 g / 50 mL
QC Batch: 1000652

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.37	mg/kg dry wt.	1	0.050	0.016		01/26/10 13:14

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

SD-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:25
Solids: 77.73
Laboratory ID: 1001286-09

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3043 g / 50 mL
QC Batch: 1000652

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.24	mg/kg dry wt.	1	0.050	0.016		01/26/10 13:19

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-DR-012110-1050

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Preparation: 7471A Mercury Digestion
Sampled: 01/21/10 13:40
Prepared: 01/25/10 14:00
Solids: 79.60
Initial/Final: 0.3171 g / 50 mL
Laboratory ID: 1001286-10
QC Batch: 1000652

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.050	mg/kg dry wt.	1	0.050	0.016	U	01/26/10 13:24

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012010-105

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 16:30
Solids: 89.13
Laboratory ID: 1001286-11

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3221 g / 50 mL
QC Batch: 1000652

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.048	mg/kg dry wt.	1	0.047	0.015		01/26/10 13:29

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012110-107

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 09:00
Solids: 96.94
Laboratory ID: 1001286-12

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3108 g / 50 mL
QC Batch: 1000652

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.050	mg/kg dry wt.	1	0.050	0.016	U	01/26/10 13:34

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012110-109

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 10:00
Solids: 90.90
Laboratory ID: 1001286-13

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3059 g / 50 mL
QC Batch: 1000652

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.56	mg/kg dry wt.	1	0.050	0.016		01/26/10 13:39

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012110-114

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 91.45
Laboratory ID: 1001286-14

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3013 g / 50 mL
QC Batch: 1000652

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.048	mg/kg dry wt.	1	0.050	0.016	J	01/26/10 13:44

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012110-116

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:10
Solids: 86.48
Laboratory ID: 1001286-15

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3134 g / 50 mL
QC Batch: 1000652

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.24	mg/kg dry wt.	1	0.050	0.016		01/26/10 13:49

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012110-118

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 14:10
Solids: 82.72
Laboratory ID: 1001286-16

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/25/10 14:00
Initial/Final: 0.3057 g / 50 mL
QC Batch: 1000652

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	1.3	mg/kg dry wt.	5	0.25	0.082		01/26/10 14:15

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27028

SDG: PM011810
Project: Plainwell Mill
Instrument: 216
Calibration: 0A27005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A27028-CAL1	j26so-a2-001	01/26/10 07:54
Cal Standard	0A27028-CAL2	j26so-a2-004	01/26/10 07:58
Cal Standard	0A27028-CAL3	j26so-a2-007	01/26/10 08:03
Cal Standard	0A27028-CAL4	j26so-a2-010	01/26/10 08:08
Cal Standard	0A27028-CAL5	j26so-a2-013	01/26/10 08:13
Cal Standard	0A27028-CAL6	j26so-a2-016	01/26/10 08:18
Secondary Cal Check	0A27028-SCV1	j26so-a2-019	01/26/10 08:26
Calibration Check	0A27028-CCV1	j26so-a2-019	01/26/10 08:26
Calibration Blank	0A27028-CCB1	j26so-a2-022	01/26/10 08:30
MRL Check	0A27028-CRL1	j26so-a2-025	01/26/10 08:35
Calibration Check	0A27028-CCV2	j26so-a2-064	01/26/10 09:38
Calibration Blank	0A27028-CCB2	j26so-a2-067	01/26/10 09:43
Blank	1000650-BLK1	j26so-a2-082	01/26/10 10:09
LCS	1000650-BS1	j26so-a2-085	01/26/10 10:14
S-SO-56394-CB-011810-062	1001254-03	j26so-a2-088	01/26/10 10:19
S-SO-56394-CB-011810-072	1001254-04	j26so-a2-091	01/26/10 10:23
S-SO-56394-CB-011810-057	1001254-05	j26so-a2-094	01/26/10 10:28
S-SO-56394-DR-011910-1024	1001254-06	j26so-a2-097	01/26/10 10:33
Calibration Blank	0A27028-CCB3	j26so-a2-103	01/26/10 10:43
Calibration Check	0A27028-CCV3	j26so-a2-106	01/26/10 10:58
S-SO-56394-CB-011910-077	1001254-07	j26so-a2-109	01/26/10 11:03
SD-SO-56394-CB-011910-077	1001254-08	j26so-a2-112	01/26/10 11:08
S-SO-56394-CB-011910-081	1001254-09	j26so-a2-115	01/26/10 11:13
S-SO-56394-CB-011910-081	1000650-MS1	j26so-a2-118	01/26/10 11:18
S-SO-56394-CB-011910-081	1000650-MSD1	j26so-a2-121	01/26/10 11:23
Blank	1000652-BLK1	j26so-a2-136	01/26/10 11:48
Calibration Check	0A27028-CCV4	j26so-a2-139	01/26/10 11:53
Calibration Blank	0A27028-CCB4	j26so-a2-142	01/26/10 11:58
LCS	1000652-BS1	j26so-a2-145	01/26/10 12:14
S-SO-56394-CB-011910-090	1001286-01	j26so-a2-148	01/26/10 12:19
S-SO-56394-CB-012010-094	1001286-02	j26so-a2-151	01/26/10 12:24
S-SO-56394-CB-012010-099	1001286-03	j26so-a2-154	01/26/10 12:29

01135

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27028

SDG: PM011810
Project: Plainwell Mill
Instrument: 216
Calibration: 0A27005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-012010-1031	1001286-04	j26so-a2-157	01/26/10 12:33
S-SO-56394-DR-012010-1035	1001286-05	j26so-a2-160	01/26/10 12:39
S-SO-56394-DR-012010-1038	1001286-06	j26so-a2-163	01/26/10 12:44
S-SO-56394-DR-012110-1045	1001286-07	j26so-a2-166	01/26/10 12:49
S-SO-56394-DR-012110-1045	1000652-MS1	j26so-a2-169	01/26/10 12:54
S-SO-56394-DR-012110-1045	1000652-MSD1	j26so-a2-172	01/26/10 12:59
Calibration Check	0A27028-CCV5	j26so-a2-175	01/26/10 13:04
Calibration Blank	0A27028-CCB5	j26so-a2-178	01/26/10 13:09
S-SO-56394-DR-012110-1049	1001286-08	j26so-a2-181	01/26/10 13:14
SD-SO-56394-DR-012110-1049	1001286-09	j26so-a2-184	01/26/10 13:19
S-SO-56394-DR-012110-1050	1001286-10	j26so-a2-187	01/26/10 13:24
S-SO-56394-CB-012010-105	1001286-11	j26so-a2-190	01/26/10 13:29
S-SO-56394-CB-012110-107	1001286-12	j26so-a2-193	01/26/10 13:34
S-SO-56394-CB-012110-109	1001286-13	j26so-a2-196	01/26/10 13:39
S-SO-56394-CB-012110-114	1001286-14	j26so-a2-199	01/26/10 13:44
S-SO-56394-CB-012110-116	1001286-15	j26so-a2-202	01/26/10 13:49
S-SO-56394-CB-011910-086	1001254-10	j26so-a2-208	01/26/10 14:00
Calibration Check	0A27028-CCV6	j26so-a2-211	01/26/10 14:05
Calibration Blank	0A27028-CCB6	j26so-a2-214	01/26/10 14:10
S-SO-56394-CB-012110-118	1001286-16	j26so-a2-217	01/26/10 14:15
Calibration Check	0A27028-CCV7	j26so-a2-241	01/26/10 14:56
Calibration Blank	0A27028-CCB7	j26so-a2-244	01/26/10 15:01

: 01136

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A27028
Instrument ID: 216
Control Limt: +/- 10.00%
Calibration: 0A27005

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A27028-CCV1	Mercury	3.00	3.14	105	ug/L	01/26/10 08:26
0A27028-CCV2	Mercury	2.00	2.21	110	ug/L	01/26/10 09:38
0A27028-CCV3	Mercury	2.00	2.13	107	ug/L	01/26/10 10:58
0A27028-CCV4	Mercury	2.00	2.08	104	ug/L	01/26/10 11:53
0A27028-CCV5	Mercury	2.00	2.13	107	ug/L	01/26/10 13:04
0A27028-CCV6	Mercury	2.00	2.10	105	ug/L	01/26/10 14:05
0A27028-CCV7	Mercury	2.00	2.14	107	ug/L	01/26/10 14:56

* Values outside of QC limits

: 01137

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM011810

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0A27028 **Instrument:** 216

Laboratory ID: 0A27028-SCV1 **Calibration:** 0A27005

Analyte	Expected	Found	% R	QC Limit	Units
Mercury	3.00	3.14	105	90-110	ug/L

* Values outside of QC limits

01138

CRDL STANDARD

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A27028

SDG: PM011810

Project: Plainwell Mill

Instrument ID: 216

Calibration: 0A27005

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A27028-CRL1	Mercury	0.200	0.186	93	ug/L	50 - 150

* Values outside of QC limits

01139

BLANKS
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27028

SDG: PM011810
Project: Plainwell Mill
Instrument ID: 216
Calibration: 0A27005

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A27028-CCB1	Mercury	-0.036	0.30	0.098	ug/L	U	01/26/10 08:30
0A27028-CCB2	Mercury	-0.046	0.30	0.098	ug/L	U	01/26/10 09:43
0A27028-CCB3	Mercury	-0.055	0.30	0.098	ug/L	U	01/26/10 10:43
0A27028-CCB4	Mercury	0.0086	0.30	0.098	ug/L	U	01/26/10 11:58
0A27028-CCB5	Mercury	-0.013	0.30	0.098	ug/L	U	01/26/10 13:09
0A27028-CCB6	Mercury	-0.062	0.30	0.098	ug/L	U	01/26/10 14:10
0A27028-CCB7	Mercury	-0.053	0.30	0.098	ug/L	U	01/26/10 15:01

* Values outside of QC limits

: 01140

QC BATCH SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000650 QC Batch Matrix: Soil Preparation: 7471A Mercury Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000650-BLK1	01/25/10 14:00	
LCS	1000650-BS1	01/25/10 14:00	
S-SO-56394-CB-011910-081	1000650-MS1	01/25/10 14:00	
S-SO-56394-CB-011910-081	1000650-MSD1	01/25/10 14:00	
S-SO-56394-CB-011810-062	1001254-03	01/25/10 14:00	soil
S-SO-56394-CB-011810-072	1001254-04	01/25/10 14:00	soil
S-SO-56394-CB-011810-057	1001254-05	01/25/10 14:00	soil
S-SO-56394-DR-011910-1024	1001254-06	01/25/10 14:00	soil
S-SO-56394-CB-011910-077	1001254-07	01/25/10 14:00	soil
SD-SO-56394-CB-011910-077	1001254-08	01/25/10 14:00	soil
S-SO-56394-CB-011910-081	1001254-09	01/25/10 14:00	soil
S-SO-56394-CB-011910-086	1001254-10	01/25/10 14:00	soil

: 01141

QC BATCH SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000652 QC Batch Matrix: Soil Preparation: 7471A Mercury Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000652-BLK1	01/25/10 14:00	
LCS	1000652-BS1	01/25/10 14:00	
S-SO-56394-DR-012110-1045	1000652-MS1	01/25/10 14:00	
S-SO-56394-DR-012110-1045	1000652-MSD1	01/25/10 14:00	
S-SO-56394-CB-011910-090	1001286-01	01/25/10 14:00	soil
S-SO-56394-CB-012010-094	1001286-02	01/25/10 14:00	soil
S-SO-56394-CB-012010-099	1001286-03	01/25/10 14:00	soil
S-SO-56394-DR-012010-1031	1001286-04	01/25/10 14:00	soil
S-SO-56394-DR-012010-1035	1001286-05	01/25/10 14:00	soil
S-SO-56394-DR-012010-1038	1001286-06	01/25/10 14:00	soil
S-SO-56394-DR-012110-1045	1001286-07	01/25/10 14:00	soil
S-SO-56394-DR-012110-1049	1001286-08	01/25/10 14:00	soil
SD-SO-56394-DR-012110-1049	1001286-09	01/25/10 14:00	soil
S-SO-56394-DR-012110-1050	1001286-10	01/25/10 14:00	soil
S-SO-56394-CB-012010-105	1001286-11	01/25/10 14:00	soil
S-SO-56394-CB-012110-107	1001286-12	01/25/10 14:00	soil
S-SO-56394-CB-012110-109	1001286-13	01/25/10 14:00	soil
S-SO-56394-CB-012110-114	1001286-14	01/25/10 14:00	soil
S-SO-56394-CB-012110-116	1001286-15	01/25/10 14:00	soil
S-SO-56394-CB-012110-118	1001286-16	01/25/10 14:00	soil

: 01142

METHOD BLANK DATA SHEET
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000650-BLK1
File ID: j26so-a2-082
Prepared: 01/25/10 14:00
Preparation: 7471A Mercury Digestior
Initial/Final: 0.3 g / 50 mL
Analyzed: 01/26/10 10:09
Instrument: 216
QC Batch: 1000650
Sequence: 0A27028
Calibration: 0A27005

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, Total	0.016	0.050	0.050	mg/kg dry wt.	U

01143

METHOD BLANK DATA SHEET
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000652-BLK1
File ID: j26so-a2-136
Prepared: 01/25/10 14:00
Preparation: 7471A Mercury Digestior
Initial/Final: 0.3 g / 50 mL
Analyzed: 01/26/10 11:48
Instrument: 216
QC Batch: 1000652
Sequence: 0A27028
Calibration: 0A27005

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, Total	0.016	0.050	0.050	mg/kg dry wt.	U

: 01144

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011910-081

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 7471A Mercury Digestion

Initial/Final: 0.3064 g / 50 mL

Laboratory ID: 1000650-MS1

QC Batch: 1000650

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Mercury, Total	0.326	0.0395	0.404	112	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

: 01145

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011910-081

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

Preparation: 7471A Mercury Digestion

Initial/Final: 0.3047 g / 50 mL

Laboratory ID: 1000650-MSD1

QC Batch: 1000650

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Mercury, Total	0.328	0.422	117	4	20	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

: 01146

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012110-1045

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 7471A Mercury Digestion

Initial/Final: 0.3009 g / 50 mL

Laboratory ID: 1000652-MS1

QC Batch: 1000652

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Mercury, Total	0.332	ND	0.388	117	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

: 01147

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012110-1045

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 7471A Mercury Digestion

Initial/Final: 0.3026 g / 50 mL

Laboratory ID: 1000652-MSD1

QC Batch: 1000652

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Mercury, Total	0.330	0.381	115	2	20	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

: 01148

LCS / LCS DUPLICATE RECOVERY
USEPA-7471A

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

Laboratory ID: 1000650-BS1

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Initial/Final: 0.3 g / 50 mL
QC Batch: 1000650
Sequence: 0A27028

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Mercury, Total	0.333	0.359	108	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

: 01149

LCS / LCS DUPLICATE RECOVERY
USEPA-7471A

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

Laboratory ID: 1000652-BS1

SDG: PM011810
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Initial/Final: 0.3 g / 50 mL
QC Batch: 1000652
Sequence: 0A27028

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Mercury, Total	0.333	0.366	110	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

: 01150

HOLDING TIME SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Analyte: Mercury

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/25/10	7	NA	01/26/10	8	28	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/25/10	7	NA	01/26/10	8	28	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/25/10	7	NA	01/26/10	8	28	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/25/10	6	NA	01/26/10	7	28	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/25/10	6	NA	01/26/10	7	28	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/25/10	6	NA	01/26/10	7	28	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/25/10	6	NA	01/26/10	7	28	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/25/10	6	NA	01/26/10	7	28	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/26/10	7	28	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/26/10	6	28	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/26/10	6	28	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/26/10	6	28	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/26/10	6	28	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/26/10	6	28	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	28	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	28	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	28	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	28	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/26/10	6	28	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	28	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	28	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	28	

: 01151

HOLDING TIME SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Analyte: Mercury

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	28	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	28	

01152

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1000650** Page 1 of 1

Printed: 2/5/2010 8:55:40AM

Metals, Soil, 7471A Mercury Digestion

61153

Batch comments:

mas 01/25/10 2:00-2:30PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A905LD269

Lab Number	*Container*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*Client* Source ID	*Client* Spike ID	*Client* uL Spike	*Comments*	
1000650-BLK1		Jan-25-10 14:00	MAS	0.3	50					
1000650-BS1		Jan-25-10 14:00	MAS	0.3	50		9100898	100		
1000650-MS1		Jan-25-10 14:00	MAS	0.3064	50	1001254-09	9100898	100		
1000650-MSD1		Jan-25-10 14:00	MAS	0.3047	50	1001254-09	9100898	100		
1001254-03	A	Jan-25-10 14:00	MAS	0.3044	50	SulTRAC			soil	soil
Hg Total 7471A										
1001254-04	A	Jan-25-10 14:00	MAS	0.309	50	SulTRAC			soil	soil
Hg Total 7471A										
1001254-05	A	Jan-25-10 14:00	MAS	0.3252	50	SulTRAC			soil	soil
Hg Total 7471A										
1001254-06	A	Jan-25-10 14:00	MAS	0.3029	50	SulTRAC			soil	soil
Hg Total 7471A										
1001254-07	A	Jan-25-10 14:00	MAS	0.3135	50	SulTRAC			soil	soil
Hg Total 7471A										
1001254-08	A	Jan-25-10 14:00	MAS	0.3048	50	SulTRAC			soil	soil
Hg Total 7471A										
1001254-09	A	Jan-25-10 14:00	MAS	0.3049	50	SulTRAC			soil	soil
Hg Total 7471A										
1001254-10	A	Jan-25-10 14:00	MAS	0.3018	50	SulTRAC			soil	soil
Hg Total 7471A										

Comments:

Analyst Initials:

Metals, Soil, 7471A Mercury Digestion

Batch comments:
MAS 01/25/10 2:00-2:30PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments	
1000652-BLK1		Jan-25-10 14:00	MAS	0.3	50					
1000652-BS1		Jan-25-10 14:00	MAS	0.3	50		9100898	100		
1000652-MS1		Jan-25-10 14:00	MAS	0.3009	50	1001286-07	9100898	100		
1000652-MSD1		Jan-25-10 14:00	MAS	0.3026	50	1001286-07	9100898	100		
1001286-01	A	Jan-25-10 14:00	MAS	0.3087	50	SulTRAC			soil	soil
Hg Total 7471A										
1001286-02	A	Jan-25-10 14:00	MAS	0.3018	50	SulTRAC			soil	soil
Hg Total 7471A										
1001286-03	A	Jan-25-10 14:00	MAS	0.3124	50	SulTRAC			soil	soil
Hg Total 7471A										
1001286-04	A	Jan-25-10 14:00	MAS	0.3019	50	SulTRAC			soil	soil
Hg Total 7471A										
1001286-05	A	Jan-25-10 14:00	MAS	0.3021	50	SulTRAC			soil	soil
Hg Total 7471A										
1001286-06	A	Jan-25-10 14:00	MAS	0.3053	50	SulTRAC			soil	soil
Hg Total 7471A										
1001286-07	A	Jan-25-10 14:00	MAS	0.3028	50	SulTRAC			soil	soil
Hg Total 7471A										
1001286-08	A	Jan-25-10 14:00	MAS	0.3024	50	SulTRAC			soil	soil
Hg Total 7471A										
1001286-09	A	Jan-25-10 14:00	MAS	0.3043	50	SulTRAC			soil	soil
Hg Total 7471A										
1001286-10	A	Jan-25-10 14:00	MAS	0.3171	50	SulTRAC			soil	soil
Hg Total 7471A										

Comments:	Analyst Initials:

Metals, Soil, 7471A Mercury Digestion

Batch comments:

MAS 01/25/10 2:00-2:30PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments	
1001286-11	A	Jan-25-10 14:00	MAS	0.3221	50	SulTRAC			soil	soil
Hg Total 7471A										
1001286-12	A	Jan-25-10 14:00	MAS	0.3108	50	SulTRAC			soil	soil
Hg Total 7471A										
1001286-13	A	Jan-25-10 14:00	MAS	0.3059	50	SulTRAC			soil	soil
Hg Total 7471A										
1001286-14	A	Jan-25-10 14:00	MAS	0.3013	50	SulTRAC			soil	soil
Hg Total 7471A										
1001286-15	A	Jan-25-10 14:00	MAS	0.3134	50	SulTRAC			soil	soil
Hg Total 7471A										
1001286-16	A	Jan-25-10 14:00	MAS	0.3057	50	SulTRAC			soil	soil
Hg Total 7471A										

Comments:

Analyst Initials:

Due: 1/27

WSI - OA27026
Soil - OA27028 Cal OA27005

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence Hg Solids

Instrument #: 216
Date: 1/26/10
Analyst: JMT
SnCl#: 9120943

Data File: J2650-P2
Calibration BLK/ICB/CCB: 0.5% HNO3 LOT#1109060
Std/SCV prep date/analyst: JMT 1/25/10

Standards/SCV prepped daily
Autosampler Position:

1. BLK/ICB/CCB/9020470
2. STD1/CRL/0.2 ug/L 9100905
3. STD2/0.5 ug/L 9100906
4. STD3/1.0 ug/L 9100907
5. STD4/CCV/2.0 ug/L 9100908
6. STD5/5.0 ug/L 9100909
7. SCV/3.0 ug/L 9100910

Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
11	1000648-BLK1				45	-04			
12	BS1				46	05			
13	1001259-02				47	06			
14	MS1				48	07			
15	MSD1				49	MS1			
WSI 16	-04				50	MSD1			
17	06				51	08			
18	08				52	09			
19	10				53	10			
20	12				54	11			
21	14				55	12			
22	16				56	13			
23	18				57	14			
24	1001279-02				58	15			
25	1000650-BLK1				59	16			
26	BS1				60	1000653-BLK1			
Soil 27	1001254-03				61	BS1	WSI		
28	04				62	1001295-01			
29	05				63	MS1			
30	06				64	MSD1			
31	07				65	-02			
32	08				66	03			
33	09				67	~~10004~~ 1001254-10	5	25	5X
34	MS1				68	1001286-16	5	25	5X
35	MSD1				69	1000696-BLK1			WSI
36	10				70	BS1			
37	1000651-BLK1				71	1001339-01			
38	BS1				72				
39	1001217-03				73				
40	1000652-BLK1				74				
41	BS1				75				
42	1001286-01				76				
43	02				77				
44	03				78				

Calibration Report -

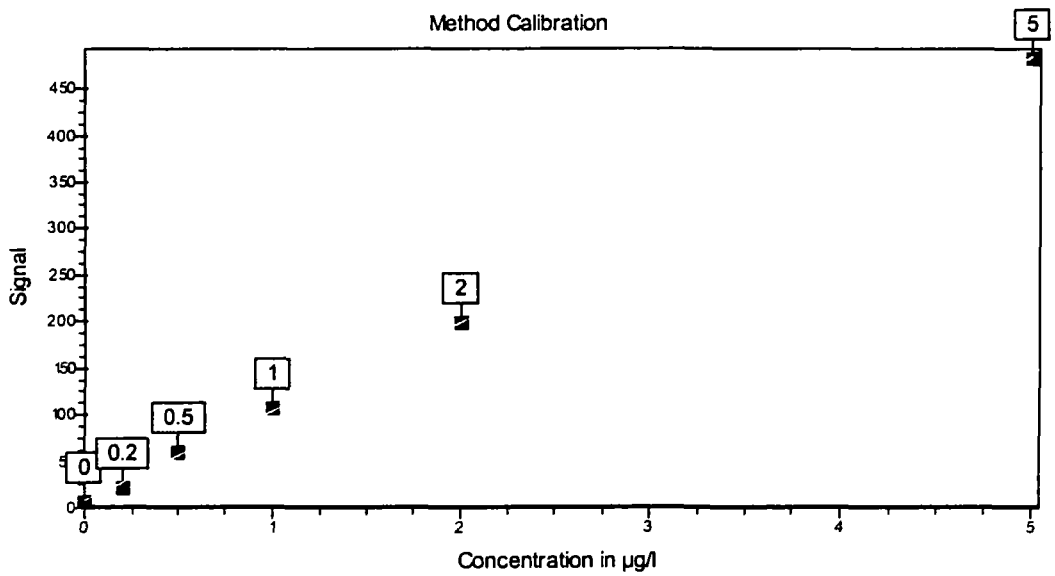
General Details

Measured By :

Calibration #:	Default
Fit Type :	Least Squares
Unit :	µg/l
Slope :	95.250801
Y Intercept :	8.207009
Correlation Coefficient :	0.999802
Reslope %:	

Definition of Standards

Include	*Pos*	*Runs*	*Conc*	*Pk Ht*	*Pk Area*	*Res %*	*Res Conc*	*Date/Time*
Yes	1	2	0.0	6.098763	-31.995338	0.000000	-0.022134	26 Jan 2010 07:54
Yes	2	2	0.2	22.082045	265.420105	-27.165783	-0.054332	26 Jan 2010 07:58
Yes	3	2	0.5	59.871605	1270.981567	8.481178	0.042406	26 Jan 2010 08:03
Yes	4	2	1.0	107.211800	1725.767578	3.941163	0.039412	26 Jan 2010 08:08
Yes	5	2	2.0	199.438416	3102.528320	0.383096	0.007662	26 Jan 2010 08:13
Yes	6	2	5.0	483.221344	7911.246582	-0.260296	-0.013015	26 Jan 2010 08:18



: 21157

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\j26so-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
1	2	Cal	0.0		0.000	6.0988	-31.9953	-1.7403	3.3047	54.19	—	—		D	TriMatrix Mercury	26 Jan 2010 07:54
—	1/2	—	—	—	0.000	8.4356	178.6320	0.2814	—	—	—	—			TriMatrix Mercury	26 Jan 2010 07:51
—	2/2	—	—	—	0.000	3.7620	-242.6227	-3.7620	—	—	—	—			TriMatrix Mercury	26 Jan 2010 07:54
2	2	Cal	0.2		0.200	22.0820	265.4201	1.6180	0.1938	0.88	—	—		D	TriMatrix Mercury	26 Jan 2010 07:58
—	1/2	—	—	—	0.200	21.9450	508.8933	2.8070	—	—	—	—		D	TriMatrix Mercury	26 Jan 2010 07:56
—	2/2	—	—	—	0.200	22.2191	21.9469	0.4289	—	—	—	—		D	TriMatrix Mercury	26 Jan 2010 07:58
3	2	Cal	0.5		0.500	59.8716	1270.9816	3.0341	0.1401	0.23	—	—		D	TriMatrix Mercury	26 Jan 2010 08:03
—	1/2	—	—	—	0.500	59.9694	1169.6072	0.9057	—	—	—	—		D	TriMatrix Mercury	26 Jan 2010 08:01
—	2/2	—	—	—	0.500	59.7738	1372.3560	5.1626	—	—	—	—		D	TriMatrix Mercury	26 Jan 2010 08:03
4	2	Cal	1.0		1.000	107.2118	1725.7676	0.0468	3.4831	3.25	—	—		D	TriMatrix Mercury	26 Jan 2010 08:08
—	1/2	—	—	—	1.000	104.7487	1457.5958	-0.9119	—	—	—	—		D	TriMatrix Mercury	26 Jan 2010 08:06
—	2/2	—	—	—	1.000	109.6749	1993.9393	1.0055	—	—	—	—		D	TriMatrix Mercury	26 Jan 2010 08:08
5	2	Cal	2.0		2.000	199.4384	3102.5283	-0.0608	12.5042	6.27	—	—		D	TriMatrix Mercury	26 Jan 2010 08:13
—	1/2	—	—	—	2.000	190.5965	2744.6750	-1.3989	—	—	—	—		D	TriMatrix Mercury	26 Jan 2010 08:10
—	2/2	—	—	—	2.000	208.2803	3460.3813	1.2774	—	—	—	—		D	TriMatrix Mercury	26 Jan 2010 08:13
6	2	Cal	5.0		5.000	483.2213	7911.2466	-0.3244	6.6389	1.37	—	—		D	TriMatrix Mercury	26 Jan 2010 08:18
—	1/2	—	—	—	5.000	478.5285	7828.0923	-0.5192	—	—	—	—		D	TriMatrix Mercury	26 Jan 2010 08:15
—	2/2	—	—	—	5.000	487.9141	7994.4009	-0.1296	—	—	—	—		D	TriMatrix Mercury	26 Jan 2010 08:18
7	2	Sample	scv		3.140	307.2781	5013.5098	-0.9144	0.0073	0.23	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:26
—	1/2	—	—	—	3.135	306.7916	5123.7124	1.6701	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:23
—	2/2	—	—	—	3.145	307.7646	4903.3076	-3.4990	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:26
1	2	Sample	ccb		-0.036	4.7520	-209.2742	-4.5027	0.0377	-104.06	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:30
—	1/2	—	—	—	-0.063	2.2097	-184.1241	-2.2097	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:28
—	2/2	—	—	—	-0.010	7.2943	-234.4242	-6.7957	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:30
2	2	Sample	crl		0.186	25.9103	537.3455	1.1029	0.0084	4.49	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:35
—	1/2	—	—	—	0.192	26.4730	493.4417	0.8236	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:33
—	2/2	—	—	—	0.180	25.3477	581.2494	1.3822	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:35
5	2	Sample	ccv		2.086	206.8827	3471.7229	0.2592	0.0993	4.76	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:40
—	1/2	—	—	—	2.016	200.1919	3207.3691	-1.9819	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:38
—	2/2	—	—	—	2.156	213.5734	3736.0769	2.5003	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:40
1	2	Sample	ccb		-0.054	3.0633	-159.0572	-2.5381	0.0122	-22.58	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:45
—	1/2	—	—	—	-0.045	3.8845	-222.0156	-3.8845	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:42
—	2/2	—	—	—	-0.063	2.2421	-96.0989	-1.1918	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:45

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\j26so-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	1000648-blk1		-0.044	4.0541	-51.5115	-0.3498	0.0218	-50.05	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:50
—	1/2	—	—	—	-0.059	2.5842	-224.0289	-1.6374	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:47
—	2/2	—	—	—	-0.028	5.5240	121.0059	0.9379	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:50
12	2	Sample	1000648-bs1		1.904	189.5297	3110.6804	-0.8429	0.0383	2.01	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:55
—	1/2	—	—	—	1.877	186.9525	3091.6392	-1.8184	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:52
—	2/2	—	—	—	1.931	192.1070	3129.7214	0.1327	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:55
13	2	Sample	1001259-02		0.038	11.8475	83.7680	-0.3013	0.0248	64.93	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:59
—	1/2	—	—	—	0.021	10.1759	-14.1071	-0.6857	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:57
—	2/2	—	—	—	0.056	13.5190	181.6431	0.0832	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 08:59
14	2	Sample	1000648-ms1		2.285	225.8943	3361.0273	-4.4222	0.0239	1.05	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:04
—	1/2	—	—	—	2.269	224.2853	3497.3208	-0.8820	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:02
—	2/2	—	—	—	2.302	227.5032	3224.7336	-7.9624	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:04
15	2	Sample	1000648-msd1		2.227	220.3042	3522.6350	-0.6272	0.0657	2.95	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:09
—	1/2	—	—	—	2.180	215.8797	3491.3145	-0.0109	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:07
—	2/2	—	—	—	2.273	224.7288	3553.9556	-1.2435	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:09
16	2	Sample	1001259-04		-0.004	7.8386	-82.0792	-0.9447	0.0339	-877.51	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:14
—	1/2	—	—	—	-0.028	5.5529	-218.6286	-0.8843	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:12
—	2/2	—	—	—	0.020	10.1244	54.4702	-1.0051	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:14
17	2	Sample	1001259-06		-0.026	5.7321	-18.8193	0.6772	0.0659	-253.72	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:19
—	1/2	—	—	—	0.021	10.1722	175.8057	0.1795	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:16
—	2/2	—	—	—	-0.073	1.2920	-213.4443	1.1748	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:19
18	2	Sample	1001259-08		0.286	35.4130	717.2720	2.5035	0.0268	9.39	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:24
—	1/2	—	—	—	0.305	37.2189	654.8271	1.7126	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:21
—	2/2	—	—	—	0.267	33.6071	779.7169	3.2944	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:24
19	2	Sample	1001259-10		-0.010	7.2644	21.4919	0.9786	0.0121	-121.92	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:29
—	1/2	—	—	—	-0.001	8.0770	-174.4815	-1.2202	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:26
—	2/2	—	—	—	-0.018	6.4518	217.4653	3.1774	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:29
20	2	Sample	1001259-12		-0.002	7.9717	29.6440	-2.4889	0.0223	-903.55	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:34
—	1/2	—	—	—	-0.018	6.4685	-136.7006	-4.3030	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:31
—	2/2	—	—	—	0.013	9.4749	195.9887	-0.6749	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:34
5	2	Sample	ccv		2.206	218.3137	3247.9365	-1.0111	0.0517	2.34	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:38
—	1/2	—	—	—	2.242	221.7930	3319.7434	-0.2576	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:36
—	2/2	—	—	—	2.169	214.8344	3176.1296	-1.7646	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:38

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\j26so-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
1	2	Sample	ccb		-0.046	3.8241	11.5794	0.9341	0.0354	-76.83	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:43
—	1/2	—	—	—	-0.021	6.2052	177.9724	1.2809	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:41
—	2/2	—	—	—	-0.071	1.4429	-154.8136	0.5872	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:43
21	2	Sample	1001259-14		-0.015	6.7488	22.9657	-0.0191	0.0035	-22.55	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:48
—	1/2	—	—	—	-0.013	6.9813	-94.2608	0.5924	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:47
—	2/2	—	—	—	-0.018	6.5163	140.1921	-0.6306	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:49
22	2	Sample	1001259-16		0.079	15.6949	479.7079	4.7159	0.0595	75.66	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:54
—	1/2	—	—	—	0.037	11.6887	300.1906	4.6094	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:52
—	2/2	—	—	—	0.121	19.7011	659.2252	4.8225	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:54
23	2	Sample	1001259-18		-0.012	7.0391	56.7308	-1.0584	0.0042	-34.39	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:59
—	1/2	—	—	—	-0.009	7.3231	0.0801	-0.9460	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:56
—	2/2	—	—	—	-0.015	6.7551	113.3815	-1.1707	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 09:59
24	2	Sample	1001279-02		-0.024	5.9465	69.0683	2.3166	0.0497	-209.41	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:04
—	1/2	—	—	—	-0.059	2.5994	-85.2260	4.4739	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:01
—	2/2	—	—	—	0.011	9.2937	223.3625	0.1593	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:04
25	2	Sample	1000650-blk1		-0.025	5.8499	-49.1160	-2.4649	0.0675	-272.76	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:09
—	1/2	—	—	—	0.023	10.3961	88.4067	-5.6808	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:06
—	2/2	—	—	—	-0.072	1.3038	-186.6386	0.7509	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:09
26	2	Sample	1000650-bs1		2.155	213.5080	3277.4246	-2.6393	0.0014	0.07	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:14
—	1/2	—	—	—	2.157	213.6240	3429.9521	1.1507	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:11
—	2/2	—	—	—	2.154	213.3920	3124.8967	-6.4293	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:14
27	2	Sample	1001254-03		0.377	44.1555	985.3298	4.3781	0.0513	13.59	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:19
—	1/2	—	—	—	0.341	40.7016	679.4983	1.5774	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:16
—	2/2	—	—	—	0.414	47.6093	1291.1613	7.1789	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:19
28	2	Sample	1001254-04		0.819	86.2491	1344.8501	0.0822	0.0288	3.52	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:23
—	1/2	—	—	—	0.799	84.3085	1216.6180	-1.5241	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:21
—	2/2	—	—	—	0.840	88.1897	1473.0822	1.6885	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:23
29	2	Sample	1001254-05		1.185	121.0814	1867.2767	0.4602	0.0217	1.83	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:28
—	1/2	—	—	—	1.170	119.6213	1778.6665	0.7821	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:26
—	2/2	—	—	—	1.200	122.5416	1955.8868	0.1384	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:28
30	2	Sample	1001254-06		0.556	61.1926	995.9573	1.4426	0.0876	15.76	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:33
—	1/2	—	—	—	0.618	67.0956	1304.2039	2.5812	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:31
—	2/2	—	—	—	0.494	55.2896	687.7109	0.3039	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:33

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\j26so-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		2.210	218.7162	3582.8362	1.0524	0.1429	6.47	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:38
—	1/2	—	—	—	2.311	228.3425	3877.2766	2.0537	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:36
—	2/2	—	—	—	2.109	209.0899	3288.3955	0.0511	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:38
1	2	Sample	ccb		-0.055	3.0107	-167.0387	-1.8576	0.0250	-45.74	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:43
—	1/2	—	—	—	-0.037	4.6914	-142.8734	-4.0830	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:41
—	2/2	—	—	—	-0.072	1.3300	-191.2041	0.3679	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:43
5	2	Sample	ccv		2.132	211.3113	3289.6680	0.0961	0.0689	3.23	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:58
—	1/2	—	—	—	2.181	215.9496	3562.9500	-0.4347	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:55
—	2/2	—	—	—	2.084	206.6730	3016.3862	0.6269	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 10:58
31	2	Sample	1001254-07		0.170	24.3920	335.8147	-1.8888	0.0053	3.11	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:03
—	1/2	—	—	—	0.166	24.0366	416.2086	0.3207	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:00
—	2/2	—	—	—	0.174	24.7473	255.4209	-4.0984	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:03
32	2	Sample	1001254-08		0.193	26.5650	326.6724	-4.0292	0.0742	38.51	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:08
—	1/2	—	—	—	0.140	21.5656	338.6971	0.4710	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:05
—	2/2	—	—	—	0.245	31.5644	314.6477	-8.5295	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:08
33	2	Sample	1001254-09		0.241	31.1335	351.2246	-3.8670	0.0213	8.86	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:13
—	1/2	—	—	—	0.226	29.6971	438.4908	-0.7403	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:10
—	2/2	—	—	—	0.256	32.5699	265.9584	-6.9936	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:13
34	2	Sample	1000650-ms1		2.477	244.1770	3742.9543	-1.1373	0.0572	2.31	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:18
—	1/2	—	—	—	2.518	248.0272	4005.9612	-0.1216	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:15
—	2/2	—	—	—	2.437	240.3268	3479.9475	-2.1531	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:18
35	2	Sample	1000650-msd1		2.574	253.3671	3887.3792	-0.2719	0.0643	2.50	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:23
—	1/2	—	—	—	2.528	249.0344	3707.7537	-1.5241	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:20
—	2/2	—	—	—	2.619	257.6997	4067.0044	0.9803	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:23
36	2	Sample	1001254-10		7.580	730.2455	11787.4785	-0.5126	0.0179	0.24	1.00	Extrapolated		D	TriMatrix Mercury	26 Jan 2010 11:28
—	1/2	—	—	—	7.593	731.4495	11900.4658	3.4661	—	—	1.00	Extrapolated		D	TriMatrix Mercury	26 Jan 2010 11:25
—	2/2	—	—	—	7.568	729.0414	11674.4912	-4.4914	—	—	1.00	Extrapolated		D	TriMatrix Mercury	26 Jan 2010 11:28
37	2	Sample	1000651-blk1		-0.055	2.9459	-112.5381	-0.0818	0.0238	-43.08	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:33
—	1/2	—	—	—	-0.072	1.3430	-327.7445	-1.2442	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:30
—	2/2	—	—	—	-0.038	4.5488	102.6684	1.0810	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:33
38	2	Sample	1000651-bs1		2.142	212.2514	3319.4050	-1.2902	0.0913	4.26	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:38
—	1/2	—	—	—	2.207	218.3996	3289.8066	-1.8689	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:35
—	2/2	—	—	—	2.078	206.1031	3349.0037	-0.7114	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 11:38

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\j26so-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	1001217-03		0.769	81.4742	1234.2792	-1.0765	0.1133	14.74	1.00	---		D	TriMatrix Mercury	26 Jan 2010 11:43
---	1/2	---	---	---	0.849	89.1082	1582.5746	0.9913	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 11:40
---	2/2	---	---	---	0.689	73.8402	885.9836	-3.1443	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 11:43
40	2	Sample	1000652-blk1		-0.007	7.5070	-134.9104	-6.9939	0.0508	-691.10	1.00	---		D	TriMatrix Mercury	26 Jan 2010 11:48
---	1/2	---	---	---	-0.043	4.0863	-49.0482	-3.0600	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 11:45
---	2/2	---	---	---	0.029	10.9278	-220.7725	-10.9278	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 11:48
5	2	Sample	ccv		2.078	206.1507	3268.6035	1.4620	0.0677	3.26	1.00	---		D	TriMatrix Mercury	26 Jan 2010 11:53
---	1/2	---	---	---	2.126	210.7078	3270.5896	0.2009	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 11:50
---	2/2	---	---	---	2.030	201.5936	3266.6174	2.7232	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 11:53
1	2	Sample	ccb		0.009	9.0292	-37.7461	-5.6553	0.0854	989.80	1.00	---		D	TriMatrix Mercury	26 Jan 2010 11:58
---	1/2	---	---	---	-0.052	3.2749	-24.3080	-0.7817	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 11:55
---	2/2	---	---	---	0.069	14.7834	-51.1842	-10.5289	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 11:58
41	2	Sample	1000652-bs1		2.194	217.2122	3438.8953	1.5948	0.0222	1.01	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:14
---	1/2	---	---	---	2.210	218.7064	3775.5908	4.9712	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:11
---	2/2	---	---	---	2.179	215.7180	3102.2000	-1.7816	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:14
42	2	Sample	1001286-01		0.098	17.5763	216.4458	-0.5406	0.0808	82.12	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:19
---	1/2	---	---	---	0.041	12.1359	-50.1030	-2.2252	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:16
---	2/2	---	---	---	0.155	23.0166	482.9946	1.1440	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:19
43	2	Sample	1001286-02		0.042	12.2331	267.8660	3.1170	0.0491	116.26	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:24
---	1/2	---	---	---	0.077	15.5429	576.1077	5.1820	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:21
---	2/2	---	---	---	0.008	8.9232	-40.3757	1.0519	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:24
44	2	Sample	1001286-03		-0.005	7.7113	108.8620	0.2872	0.0107	-205.96	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:29
---	1/2	---	---	---	0.002	8.4332	189.6215	0.2825	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:26
---	2/2	---	---	---	-0.013	6.9894	28.1025	0.2919	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:29
45	2	Sample	1001286-04		0.695	74.4055	1364.6816	3.2714	0.1151	16.56	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:33
---	1/2	---	---	---	0.614	66.6516	991.9659	1.1291	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:31
---	2/2	---	---	---	0.776	82.1594	1737.3973	5.4138	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:33
46	2	Sample	1001286-05		-0.019	6.4347	61.9375	0.2115	0.0027	-14.52	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:39
---	1/2	---	---	---	-0.021	6.2528	74.5184	1.2424	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:36
---	2/2	---	---	---	-0.017	6.6167	49.3567	-0.8194	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:39
47	2	Sample	1001286-06		1.478	149.0196	2197.9294	-6.6888	0.0441	2.98	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:44
---	1/2	---	---	---	1.510	151.9893	2057.9326	-13.4995	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:41
---	2/2	---	---	---	1.447	146.0499	2337.9263	0.1220	---	---	1.00	---		D	TriMatrix Mercury	26 Jan 2010 12:44

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\j26so-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
48	2	Sample	1001286-07		-0.065	2.0273	-18.6777	1.6440	0.0050	-7.71	1.00	—		D	TriMatrix Mercury	26 Jan 2010 12:49
—	1/2	—	—	—	-0.061	2.3642	-11.3256	1.2857	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 12:46
—	2/2	—	—	—	-0.068	1.6905	-26.0299	2.0022	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 12:49
49	2	Sample	1000652-ms1		2.336	230.7463	3844.3870	0.2215	0.0052	0.22	1.00	—		D	TriMatrix Mercury	26 Jan 2010 12:54
—	1/2	—	—	—	2.333	230.3933	3762.0793	-1.2043	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 12:51
—	2/2	—	—	—	2.340	231.0993	3926.6943	1.6473	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 12:54
50	2	Sample	1000652-msd1		2.307	227.9091	3493.8682	-1.6299	0.0336	1.46	1.00	—		D	TriMatrix Mercury	26 Jan 2010 12:59
—	1/2	—	—	—	2.283	225.6486	3207.5503	-4.3580	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 12:56
—	2/2	—	—	—	2.330	230.1695	3780.1863	1.0982	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 12:59
5	2	Sample	ccv		2.130	211.1150	3202.4219	-4.6004	0.0279	1.31	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:04
—	1/2	—	—	—	2.150	212.9936	3095.4543	-8.4709	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:01
—	2/2	—	—	—	2.111	209.2364	3309.3894	-0.7299	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:04
1	2	Sample	ccb		-0.013	6.9225	-210.5742	-5.4838	0.0445	-329.78	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:09
—	1/2	—	—	—	0.018	9.9178	-397.9417	-9.9178	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:06
—	2/2	—	—	—	-0.045	3.9272	-23.2066	-1.0498	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:09
51	2	Sample	1001286-08		2.252	222.7339	3370.6704	-6.4217	0.0338	1.50	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:14
—	1/2	—	—	—	2.276	225.0091	3297.2458	-12.5879	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:11
—	2/2	—	—	—	2.228	220.4587	3444.0950	-0.2554	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:14
52	2	Sample	1001286-09		1.468	148.0085	2296.4263	0.4494	0.0617	4.20	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:19
—	1/2	—	—	—	1.424	143.8546	2085.9250	-0.4234	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:16
—	2/2	—	—	—	1.511	152.1623	2506.9275	1.3221	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:19
53	2	Sample	1001286-10		0.081	15.9155	118.0093	0.6203	0.1131	139.70	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:24
—	1/2	—	—	—	0.001	8.3006	-202.1148	-0.4650	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:21
—	2/2	—	—	—	0.161	23.5304	438.1334	1.7055	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:24
54	2	Sample	1001286-11		0.311	37.8449	577.4256	0.6521	0.0903	29.02	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:29
—	1/2	—	—	—	0.375	43.9270	563.5541	-1.2696	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:27
—	2/2	—	—	—	0.247	31.7627	591.2971	2.5738	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:29
55	2	Sample	1001286-12		0.012	9.3716	53.7098	-3.7899	0.0128	104.81	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:34
—	1/2	—	—	—	0.003	8.5085	293.0591	1.6426	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:32
—	2/2	—	—	—	0.021	10.2348	-185.6394	-9.2224	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:34
56	2	Sample	1001286-13		3.418	333.7350	5346.9941	0.4238	0.0807	2.36	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:39
—	1/2	—	—	—	3.475	339.1675	5377.8457	-0.2161	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:37
—	2/2	—	—	—	3.361	328.3023	5316.1431	1.0636	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:39

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\j26so-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
57	2	Sample	1001286-14		0.290	35.8403	571.9431	1.1800	0.0242	8.33	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:40
—	1/2	—	—	—	0.273	34.2117	551.7807	-0.6736	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:42
—	2/2	—	—	—	0.307	37.4689	592.1055	3.0336	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:44
58	2	Sample	1001286-15		1.499	151.0283	2580.1179	3.0230	0.0462	3.08	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:49
—	1/2	—	—	—	1.467	147.9169	2483.9509	3.4732	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:47
—	2/2	—	—	—	1.532	154.1397	2696.2852	2.5728	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:49
59	2	Sample	1001286-16		8.180	787.4059	12500.5889	0.4172	0.0952	1.16	1.00	Extrapolated		D	TriMatrix Mercury	26 Jan 2010 13:54
—	1/2	—	—	—	8.248	793.8171	12571.1260	1.6331	—	—	1.00	Extrapolated		D	TriMatrix Mercury	26 Jan 2010 13:52
—	2/2	—	—	—	8.113	780.9949	12430.0518	-0.7988	—	—	1.00	Extrapolated		D	TriMatrix Mercury	26 Jan 2010 13:54
67	2	Sample	1001254-10	xs	1.376	139.3190	2081.5571	-1.1444	0.1215	8.83	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:00
—	1/2	—	—	—	1.291	131.1340	1777.4858	-1.5865	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 13:57
—	2/2	—	—	—	1.462	147.5040	2385.6282	-0.7023	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:00
5	2	Sample	ccv		2.104	208.6391	3253.0547	-1.0361	0.1025	4.87	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:05
—	1/2	—	—	—	2.032	201.7325	3113.0020	0.2724	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:02
—	2/2	—	—	—	2.177	215.5457	3393.1074	-2.3447	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:05
1	2	Sample	ccb		-0.062	2.2617	-173.9796	1.6324	0.0076	-12.10	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:10
—	1/2	—	—	—	-0.068	1.7530	21.7622	0.6620	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:07
—	2/2	—	—	—	-0.057	2.7704	-369.7215	2.6027	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:10
68	2	Sample	1001286-16	xs	1.611	161.6818	2654.1677	0.9836	0.0147	0.91	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:15
—	1/2	—	—	—	1.622	162.6721	2731.7429	-0.1444	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:12
—	2/2	—	—	—	1.601	160.6914	2576.5925	2.1117	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:15
60	2	Sample	1000653-blk1		-0.041	4.3315	123.6414	1.8660	0.0149	-36.71	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:20
—	1/2	—	—	—	-0.051	3.3253	117.1748	2.8423	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:17
—	2/2	—	—	—	-0.030	5.3376	130.1079	0.8896	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:20
61	2	Sample	1000653-bs1		2.153	213.2744	3194.8269	-0.6447	0.0098	0.45	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:25
—	1/2	—	—	—	2.160	213.9323	3018.0979	-1.7927	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:23
—	2/2	—	—	—	2.146	212.6166	3371.5562	0.5032	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:25
62	2	Sample	1001295-01		-0.010	7.3012	79.9081	-0.6864	0.0320	-336.00	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:30
—	1/2	—	—	—	-0.032	5.1491	-32.9710	-2.2227	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:28
—	2/2	—	—	—	0.013	9.4533	192.7871	0.8498	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:30
63	2	Sample	1000653-ms1		1.933	192.2945	3078.6409	0.7924	0.2320	12.01	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:35
—	1/2	—	—	—	2.097	207.9233	3494.7827	1.7978	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:33
—	2/2	—	—	—	1.769	176.6656	2662.4990	-0.2130	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:35

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\j26so-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
64	2	Sample	1000653-msd1		2.053	203.7949	3346.7080	3.4722	0.0756	3.68	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:41
—	1/2	—	—	—	2.000	198.7014	2924.7544	-0.6908	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:38
—	2/2	—	—	—	2.107	208.8884	3768.6619	7.6351	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:41
65	2	Sample	1001295-02		-0.032	5.1914	-6.0681	-0.4805	0.0475	-150.19	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:46
—	1/2	—	—	—	-0.065	1.9889	-239.1587	-1.9889	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:43
—	2/2	—	—	—	0.002	8.3939	227.0226	1.0280	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:46
66	2	Sample	1001295-03		0.015	9.6778	262.7879	2.0353	0.0920	595.68	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:51
—	1/2	—	—	—	-0.050	3.4824	-70.9353	-0.6374	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:48
—	2/2	—	—	—	0.080	15.8732	596.5110	4.7080	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:51
5	2	Sample	ccv		2.136	211.6619	3465.9983	0.1115	0.0161	0.76	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:56
—	1/2	—	—	—	2.147	212.7517	3314.8398	-1.3995	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:53
—	2/2	—	—	—	2.125	210.5720	3617.1567	1.6224	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:56
1	2	Sample	ccb		-0.053	3.1173	-326.0436	-1.4949	0.0142	-26.54	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:01
—	1/2	—	—	—	-0.043	4.0723	-462.8962	-4.0723	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 14:58
—	2/2	—	—	—	-0.063	2.1622	-189.1910	1.0826	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:01
69	2	Sample	1000696-blk1		0.013	9.4472	88.9482	-3.7779	0.0561	430.93	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:23
—	1/2	—	—	—	0.053	13.2262	28.5001	-8.7105	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:21
—	2/2	—	—	—	-0.027	5.6682	149.3963	1.1546	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:23
70	2	Sample	1000696-bs1		2.188	216.6168	3158.4849	-5.7348	0.0975	4.46	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:28
—	1/2	—	—	—	2.257	223.1828	3083.8188	-12.6536	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:26
—	2/2	—	—	—	2.119	210.0509	3233.1511	1.1840	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:28
71	2	Sample	1001339-01		0.093	17.0199	167.7705	-0.1004	0.0008	0.82	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:34
—	1/2	—	—	—	0.092	16.9687	-8.9473	-1.5343	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:31
—	2/2	—	—	—	0.093	17.0711	344.4883	1.3335	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:34
5	2	Sample	ccv		2.108	209.0144	3335.6013	-0.9174	0.0275	1.30	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:39
—	1/2	—	—	—	2.128	210.8650	3489.8940	0.5836	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:36
—	2/2	—	—	—	2.089	207.1637	3181.3086	-2.4185	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:39
1	2	Sample	ccb		-0.042	4.1791	-45.2588	-1.0726	0.0041	-9.66	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:44
—	1/2	—	—	—	-0.045	3.9040	-30.5296	-1.2124	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:41
—	2/2	—	—	—	-0.039	4.4542	-59.9879	-0.9328	—	—	1.00	—		D	TriMatrix Mercury	26 Jan 2010 15:44

SECTION - E

INORGANIC – WET CHEMISTRY

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

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011810

USEPA-3550B

: 01167

SAMPLE ID SUMMARY

USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-011810-062	1001254-03
S-SO-56394-CB-011810-072	1001254-04
S-SO-56394-CB-011810-057	1001254-05
S-SO-56394-DR-011910-1024	1001254-06
S-SO-56394-CB-011910-077	1001254-07
SD-SO-56394-CB-011910-077	1001254-08
S-SO-56394-CB-011910-081	1001254-09
S-SO-56394-CB-011910-086	1001254-10
S-SO-56394-CB-011910-090	1001286-01
S-SO-56394-CB-012010-094	1001286-02
S-SO-56394-CB-012010-099	1001286-03
S-SO-56394-DR-012010-1031	1001286-04
S-SO-56394-DR-012010-1035	1001286-05
S-SO-56394-DR-012010-1038	1001286-06
S-SO-56394-DR-012110-1045	1001286-07
S-SO-56394-DR-012110-1049	1001286-08
SD-SO-56394-DR-012110-1049	1001286-09
S-SO-56394-DR-012110-1050	1001286-10
S-SO-56394-CB-012010-105	1001286-11
S-SO-56394-CB-012110-107	1001286-12
S-SO-56394-CB-012110-109	1001286-13
S-SO-56394-CB-012110-114	1001286-14
S-SO-56394-CB-012110-116	1001286-15
S-SO-56394-CB-012110-118	1001286-16

: 01168

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-011810-062

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 13:45
Solids: 89.19
Laboratory ID: 1001254-03

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000503

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	89	%	1	0.1	0.1		01/28/10 09:30

: 01169

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-011810-072

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 16:15
Solids: 83.11
Laboratory ID: 1001254-04

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000503

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	83	%	1	0.1	0.1		01/28/10 09:30

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-011810-057

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 11:25
Solids: 91.56
Laboratory ID: 1001254-05

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000503

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	92	%	1	0.1	0.1		01/28/10 09:30

01171

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-DR-011910-1024

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 11:30
Solids: 92.07
Laboratory ID: 1001254-06

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000503

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	92	%	1	0.1	0.1		01/28/10 09:30

: 01172

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 41.10
Laboratory ID: 1001254-07

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000503

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	41	%	1	0.1	0.1		01/28/10 09:30

01173

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

SD-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 40.12
Laboratory ID: 1001254-08

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000503

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	40	%	1	0.1	0.1		01/28/10 09:30

: 01174

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 12:50
Solids: 92.31
Laboratory ID: 1001254-09

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000503

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	92	%	1	0.1	0.1		01/28/10 09:30

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-011910-086

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 15:20
Solids: 78.78
Laboratory ID: 1001254-10

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000503

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	79	%	1	0.1	0.1		01/28/10 09:30

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-011910-090

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 16:10
Solids: 91.15
Laboratory ID: 1001286-01

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/25/10 07:11
Initial/Final: 10 g / 10 mL
QC Batch: 1000612

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	91	%	1	0.1	0.1		01/26/10 08:30

: 01177

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012010-094

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 10:50
Solids: 92.11
Laboratory ID: 1001286-02

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/25/10 07:11
Initial/Final: 10 g / 10 mL
QC Batch: 1000612

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	92	%	1	0.1	0.1		01/26/10 08:30

01178

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012010-099

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 13:50
Solids: 95.28
Laboratory ID: 1001286-03

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/25/10 07:11
Initial/Final: 10 g / 10 mL
QC Batch: 1000612

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	95	%	1	0.1	0.1		01/26/10 08:30

: 01179

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-DR-012010-1031

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 08:45
Solids: 83.21
Laboratory ID: 1001286-04

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/25/10 07:11
Initial/Final: 10 g / 10 mL
QC Batch: 1000612

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	83	%	1	0.1	0.1		01/26/10 08:30

01180

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-DR-012010-1035

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 12:10
Solids: 94.63
Laboratory ID: 1001286-05

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/25/10 07:11
Initial/Final: 10 g / 10 mL
QC Batch: 1000612

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	95	%	1	0.1	0.1		01/26/10 08:30

01181

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-DR-012010-1038

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 14:00
Solids: 78.15
Laboratory ID: 1001286-06

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/25/10 07:11
Initial/Final: 10 g / 10 mL
QC Batch: 1000612

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	78	%	1	0.1	0.1		01/26/10 08:30

01182

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 08:55
Solids: 93.43
Laboratory ID: 1001286-07

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/25/10 07:11
Initial/Final: 10 g / 10 mL
QC Batch: 1000612

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	93	%	1	0.1	0.1		01/26/10 08:30

01183

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 77.71
Laboratory ID: 1001286-08

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/25/10 07:11
Initial/Final: 10 g / 10 mL
QC Batch: 1000612

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	78	%	1	0.1	0.1		01/26/10 08:30

01184

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

SD-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:25
Solids: 77.73
Laboratory ID: 1001286-09

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/25/10 07:11
Initial/Final: 10 g / 10 mL
QC Batch: 1000612

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	78	%	1	0.1	0.1		01/26/10 08:30

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-DR-012110-1050

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:40
Solids: 79.60
Laboratory ID: 1001286-10

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/25/10 07:11
Initial/Final: 10 g / 10 mL
QC Batch: 1000612

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	80	%	1	0.1	0.1		01/26/10 08:30

01186

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012010-105

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 16:30
Solids: 89.13
Laboratory ID: 1001286-11

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/25/10 07:11
Initial/Final: 10 g / 10 mL
QC Batch: 1000612

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	89	%	1	0.1	0.1		01/26/10 08:30

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012110-107

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 09:00
Solids: 96.94
Laboratory ID: 1001286-12

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/25/10 07:11
Initial/Final: 10 g / 10 mL
QC Batch: 1000612

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	97	%	1	0.1	0.1		01/26/10 08:30

01188

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012110-109

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 10:00
Solids: 90.90
Laboratory ID: 1001286-13

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/25/10 07:11
Initial/Final: 10 g / 10 mL
QC Batch: 1000612

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	91	%	1	0.1	0.1		01/26/10 08:30

01189

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012110-114

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 91.45
Laboratory ID: 1001286-14

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/25/10 07:11
Initial/Final: 10 g / 10 mL
QC Batch: 1000612

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	91	%	1	0.1	0.1		01/26/10 08:30

01190

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012110-116

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:10
Solids: 86.48
Laboratory ID: 1001286-15

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/25/10 07:11
Initial/Final: 10 g / 10 mL
QC Batch: 1000612

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	86	%	1	0.1	0.1		01/26/10 08:30

01191

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012110-118

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 14:10
Solids: 82.72
Laboratory ID: 1001286-16

SDG: PM011810
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/25/10 07:11
Initial/Final: 10 g / 10 mL
QC Batch: 1000612

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	83	%	1	0.1	0.1		01/26/10 08:30

01192

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A20033

SDG: PM011810
Project: Plainwell Mill
Instrument: 210
Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1000503-BLK1		01/28/10 09:30
S-SO-56394-CB-011810-062	1001254-03		01/28/10 09:30
S-SO-56394-CB-011810-062	1000503-DUP1		01/28/10 09:30
S-SO-56394-CB-011810-072	1001254-04		01/28/10 09:30
S-SO-56394-CB-011810-057	1001254-05		01/28/10 09:30
S-SO-56394-DR-011910-1024	1001254-06		01/28/10 09:30
S-SO-56394-CB-011910-077	1001254-07		01/28/10 09:30
SD-SO-56394-CB-011910-077	1001254-08		01/28/10 09:30
S-SO-56394-CB-011910-081	1001254-09		01/28/10 09:30
S-SO-56394-CB-011910-086	1001254-10		01/28/10 09:30

01193

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25006

SDG: PM011810
Project: Plainwell Mill
Instrument: 210
Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1000612-BLK1		01/26/10 08:30
S-SO-56394-CB-011910-090	1001286-01		01/26/10 08:30
S-SO-56394-CB-012010-094	1001286-02		01/26/10 08:30
S-SO-56394-CB-012010-099	1001286-03		01/26/10 08:30
S-SO-56394-DR-012010-1031	1001286-04		01/26/10 08:30
S-SO-56394-DR-012010-1035	1001286-05		01/26/10 08:30
S-SO-56394-DR-012010-1038	1001286-06		01/26/10 08:30
S-SO-56394-DR-012110-1045	1001286-07		01/26/10 08:30
S-SO-56394-DR-012110-1045	1000612-DUP1		01/26/10 08:30
S-SO-56394-DR-012110-1049	1001286-08		01/26/10 08:30
SD-SO-56394-DR-012110-1049	1001286-09		01/26/10 08:30
S-SO-56394-DR-012110-1050	1001286-10		01/26/10 08:30
S-SO-56394-CB-012010-105	1001286-11		01/26/10 08:30
S-SO-56394-CB-012110-107	1001286-12		01/26/10 08:30
S-SO-56394-CB-012110-109	1001286-13		01/26/10 08:30
S-SO-56394-CB-012110-114	1001286-14		01/26/10 08:30
S-SO-56394-CB-012110-116	1001286-15		01/26/10 08:30
S-SO-56394-CB-012110-118	1001286-16		01/26/10 08:30

01194

QC BATCH SUMMARY

USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

QC Batch: 1000503 QC Batch Matrix: Soil

Preparation: General Inorganic Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000503-BLK1	01/27/10 09:00	
S-SO-56394-CB-011810-062	1000503-DUP1	01/27/10 09:00	
S-SO-56394-CB-011810-062	1001254-03	01/27/10 09:00	
S-SO-56394-CB-011810-072	1001254-04	01/27/10 09:00	
S-SO-56394-CB-011810-057	1001254-05	01/27/10 09:00	
S-SO-56394-DR-011910-1024	1001254-06	01/27/10 09:00	
S-SO-56394-CB-011910-077	1001254-07	01/27/10 09:00	
SD-SO-56394-CB-011910-077	1001254-08	01/27/10 09:00	
S-SO-56394-CB-011910-081	1001254-09	01/27/10 09:00	
S-SO-56394-CB-011910-086	1001254-10	01/27/10 09:00	

: 01195

QC BATCH SUMMARY
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000612
QC Batch Matrix: Soil
Preparation: General Inorganic Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000612-BLK1	01/25/10 07:11	
S-SO-56394-DR-012110-1045	1000612-DUP1	01/25/10 07:11	
S-SO-56394-CB-011910-090	1001286-01	01/25/10 07:11	
S-SO-56394-CB-012010-094	1001286-02	01/25/10 07:11	
S-SO-56394-CB-012010-099	1001286-03	01/25/10 07:11	
S-SO-56394-DR-012010-1031	1001286-04	01/25/10 07:11	
S-SO-56394-DR-012010-1035	1001286-05	01/25/10 07:11	
S-SO-56394-DR-012010-1038	1001286-06	01/25/10 07:11	
S-SO-56394-DR-012110-1045	1001286-07	01/25/10 07:11	
S-SO-56394-DR-012110-1049	1001286-08	01/25/10 07:11	
SD-SO-56394-DR-012110-1049	1001286-09	01/25/10 07:11	
S-SO-56394-DR-012110-1050	1001286-10	01/25/10 07:11	
S-SO-56394-CB-012010-105	1001286-11	01/25/10 07:11	
S-SO-56394-CB-012110-107	1001286-12	01/25/10 07:11	
S-SO-56394-CB-012110-109	1001286-13	01/25/10 07:11	
S-SO-56394-CB-012110-114	1001286-14	01/25/10 07:11	
S-SO-56394-CB-012110-116	1001286-15	01/25/10 07:11	
S-SO-56394-CB-012110-118	1001286-16	01/25/10 07:11	

: 01196

METHOD BLANK DATA SHEET
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000503-BLK1
File ID:
Prepared: 01/27/10 09:00
Preparation: General Inorganic Prep
Initial/Final: 10 g / 10 mL
Analyzed: 01/28/10 09:30
Instrument: 210
QC Batch: 1000503
Sequence: 0A20033
Calibration: UNASSIGNED

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
	Percent Solids	0.1	0.1	0.1	%	U

: 01197

METHOD BLANK DATA SHEET
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000612-BLK1
File ID:
Prepared: 01/25/10 07:11
Preparation: General Inorganic Prep
Initial/Final: 10 g / 10 mL
Analyzed: 01/26/10 08:30
Instrument: 210
QC Batch: 1000612
Sequence: 0A25006
Calibration: UNASSIGNED

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
	Percent Solids	0.1	0.1	0.1	%	U

DUPLICATES
USEPA-3550B

S-SO-56394-CB-011810-062

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
QC Batch: 1000503
Preparation: General Inorganic Prep
Source Sample Name: S-SO-56394-CB-011810-062

SDG: PM011810
Project: Plainwell Mill
Laboratory ID: 1000503-DUP1
Lab Source ID: 1001254-03
Initial/Final: 10 g / 10 mL
% Solids: 89.19

Analyte	Control Limit	Sample Conc.	C	Dup. Conc.	C	RPD %	Q	Method	Units
Percent Solids	20	89		89		0.02		USEPA-3550B	%

* Values outside of QC limits

: 01199

DUPLICATES
USEPA-3550B

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
QC Batch: 1000612
Preparation: General Inorganic Prep
Source Sample Name: S-SO-56394-DR-012110-1045

SDG: PM011810
Project: Plainwell Mill
Laboratory ID: 1000612-DUP1
Lab Source ID: 1001286-07
Initial/Final: 10 g / 10 mL
% Solids: 93.43

Analyte	Control Limit	Sample Conc.	C	Dup. Conc.	C	RPD %	Q	Method	Units
Percent Solids	20	93		94		0.6		USEPA-3550B	%

* Values outside of QC limits

: 01200

HOLDING TIME SUMMARY
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Analyte: Percent Solids

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/27/10	9	NA	01/28/10	10	14	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/27/10	9	NA	01/28/10	10	14	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/27/10	9	NA	01/28/10	10	14	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/27/10	8	NA	01/28/10	9	14	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/27/10	8	NA	01/28/10	9	14	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/27/10	8	NA	01/28/10	9	14	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/27/10	8	NA	01/28/10	9	14	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/27/10	8	NA	01/28/10	9	14	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/25/10	6	NA	01/26/10	7	14	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/25/10	5	NA	01/26/10	6	14	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/25/10	5	NA	01/26/10	6	14	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/25/10	5	NA	01/26/10	6	14	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/25/10	5	NA	01/26/10	6	14	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/25/10	5	NA	01/26/10	6	14	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	14	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	14	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	14	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	14	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/25/10	5	NA	01/26/10	6	14	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	14	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	14	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	14	

: 01201

HOLDING TIME SUMMARY
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Analyte: Percent Solids

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	14	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/26/10	5	14	

: 01202

Inorganic - Wet Chemistry, Soil, Jan-27-10

Instrument = 210, Calibration = UNASSIGNED

Sequence Analyses:
Solids, Total 3550B (%)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1000503-BLK1	QC				BLANK	
1001254-03	Solids, Total 3550B (%)	A			SulTRAC	
1000503-DUP1	QC				DUPLICATE	
1001254-04	Solids, Total 3550B (%)	A			SulTRAC	
1001254-05	Solids, Total 3550B (%)	A			SulTRAC	
1001254-06	Solids, Total 3550B (%)	A			SulTRAC	
1001254-07	Solids, Total 3550B (%)	A			SulTRAC	
1001254-08	Solids, Total 3550B (%)	A			SulTRAC	
1001254-09	Solids, Total 3550B (%)	A			SulTRAC	
1001254-10	Solids, Total 3550B (%)	A			SulTRAC	

Comments:

Analyst Initials: MB

seq_TriMatrix.rpt

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1000503** Page 1 of 1

Printed: 1/28/2010 9:53:31AM

Inorganic - Wet Chemistry, Soil, General Inorganic Prep

(No Surrogate)

Batch Comments: (none)

MB 1-28-10

LV4

01294

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001254	Solids, Total 3550B (%)				

Lab Number	*Contain*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1000503-BLK1		Jan-27-10 09:00	MJB	10	10					BLANK	
1000503-DUP1		Jan-27-10 09:00	MJB	10	10		1001254-03			DUPLICATE	
1001254-03	A	Jan-27-10 09:00	MJB	10	10					SulTRAC	
1001254-04	A	Jan-27-10 09:00	MJB	10	10					SulTRAC	
1001254-05	A	Jan-27-10 09:00	MJB	10	10					SulTRAC	
1001254-06	A	Jan-27-10 09:00	MJB	10	10					SulTRAC	
1001254-07	A	Jan-27-10 09:00	MJB	10	10					SulTRAC	
1001254-08	A	Jan-27-10 09:00	MJB	10	10					SulTRAC	
1001254-09	A	Jan-27-10 09:00	MJB	10	10					SulTRAC	
1001254-10	A	Jan-27-10 09:00	MJB	10	10					SulTRAC	

Comments:

Analyst Initials: MB

bch_TriMatrix.rpt

Rerun Macro

TriMatrix Laboratories, Inc.

TOTAL PERCENT SOLIDS

BATCH INFORMATION		ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AN
Sequence: 120033		Step	Start Date	Start Time	Start Temp (°C)	End Date	End Time	End Temp (°C)	Difference Between Weighings: Less than 0.0005 g	Batch Number:
Balance Number: Inst										
Analysis Date: 01/27/10		Step #1	1-27-10	9:00 AM	104	1-28-10	9:30 AM	104	Blank Concentration: Less than 0.1%(w/w)	
Analyst: MJB		Step #2								
Parameter: Percent Solids		Step #3							MS/MSD Precision: <20%	Supervisor Approva
Matrix: Soil		Step #1	Evaporation to dryness @ 103-105° C (overnight)							
Method Reference: Solids, Total 3550B (%)		Step #2	Recheck of Step #1 after further cooling in desiccator (if necessary)						LCS Accuracy: N/A	
Units: %		Step #3								
Default MRL: 0.1										

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)
1000503-BLK1		BLK1	BLK	2.3032	10	2.303		0.0		-0.002
1001254-03	SulTRAC	REG	254-03	2.2404	10.0132	11.171	89			89.18827148
1000503-DUP1		DUP1	DUP: 254-03	2.2484	10.0788	11.2358	89			89.17132992
1001254-04	SulTRAC	REG	254-04	2.2456	10.0508	10.5986	83			83.10781231
1001254-05	SulTRAC	REG	254-05	2.3007	10.0737	11.5238	92			91.55623058
1001254-06	SulTRAC	REG	254-06	2.2395	10.0072	11.4529	92			92.06771125
1001254-07	SulTRAC	REG	254-07	2.2732	10.0663	6.4106	41			41.10149707
1001254-08	SulTRAC	REG	254-08	2.2545	10.0601	6.2911	40			40.12484965
1001254-09	SulTRAC	REG	254-09	2.2353	10.0234	11.4879	92			92.30999461
1001254-10	SulTRAC	REG	254-10	2.2929	10.0023	10.1723	79			78.77588155

Rerun Macro

TriMatrix Laboratories, Inc.

TOTAL PERCENT SOLIDS

Jan 27
10:46 am

BATCH INFORMATION	ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AN
Sequence: 120033	Step	Start Date	Start Time	Start Temp (°C)	End Date	End Time	End Temp (°C)	Difference Between Weighings: Less than 0.0005 g	Batch Number: 01256
Balance Number: Inst									
Analysis Date: 01/27/10	Step #1	1-27-10	9:00 AM	104				Blank Concentration: Less than 0.1%(w/w)	
Analyst: MJB	Step #2								
Parameter: Percent Solids	Step #3							MS/MSD Precision: <20%	Supervisor Approva
Matrix: Soil	Step #1	Evaporation to dryness @ 103-105° C (overnight)							
Method Reference: Solids, Total 3550B (%)	Step #2	Recheck of Step #1 after further cooling in desiccator (if necessary)						LCS Accuracy: N/A	
Units: %	Step #3								
Default MRL: 0.1									

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)
1000503-BLK1		BLK1	BLK	2.3032	10					
1001254-03	SulTRAC	REG	254-03	2.2404	10.0132			-22.4		-22.37446571
1000503-DUP1		DUP1	DUP: 254-03	2.2484	10.0788			-22.3		-22.30821129
1001254-04	SulTRAC	REG	254-04	2.2456	10.0508			-22.3		-22.3425001
1001254-05	SulTRAC	REG	254-05	2.3007	10.0737			-22.8		-22.83867894
1001254-06	SulTRAC	REG	254-06	2.2395	10.0072			-22.4		-22.3788872
1001254-07	SulTRAC	REG	254-07	2.2732	10.0663			-22.6		-22.58227949
1001254-08	SulTRAC	REG	254-08	2.2545	10.0601			-22.4		-22.41031401
1001254-09	SulTRAC	REG	254-09	2.2353	10.0234			-22.3		-22.30081609
1001254-10	SulTRAC	REG	254-10	2.2929	10.0023			-22.9		-22.92372754

Inorganic - Wet Chemistry, Soil, Jan-25-10

Instrument = 210, Calibration = UNASSIGNED

Sequence Analyses:
Solids, Total 3550B (%)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1000612-BLK1	QC				BLANK	
1001286-01	Solids, Total 3550B (%)	A			SulTRAC	
1001286-02	Solids, Total 3550B (%)	A			SulTRAC	
1001286-03	Solids, Total 3550B (%)	A			SulTRAC	
1001286-04	Solids, Total 3550B (%)	A			SulTRAC	
1001286-05	Solids, Total 3550B (%)	A			SulTRAC	
1001286-06	Solids, Total 3550B (%)	A			SulTRAC	
1001286-07	Solids, Total 3550B (%)	A			SulTRAC	
1000612-DUP1	QC				DUPLICATE	
1001286-08	Solids, Total 3550B (%)	A			SulTRAC	
1001286-09	Solids, Total 3550B (%)	A			SulTRAC	
1001286-10	Solids, Total 3550B (%)	A			SulTRAC	
1001286-11	Solids, Total 3550B (%)	A			SulTRAC	
1001286-12	Solids, Total 3550B (%)	A			SulTRAC	
1001286-13	Solids, Total 3550B (%)	A			SulTRAC	
1001286-14	Solids, Total 3550B (%)	A			SulTRAC	
1001286-15	Solids, Total 3550B (%)	A			SulTRAC	
1001286-16	Solids, Total 3550B (%)	A			SulTRAC	

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1000612

Printed: 1/25/2010 7:14:41AM

Inorganic - Wet Chemistry, Soil, General Inorganic Prep

(No Surrogate)

Batch Comments: (none)

Dee Feb-4 √ by CIB2-1-08

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001286	Solids, Total 3550B (%)				

Lab Number	Contain	Prepared	By	Initial (g)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1000612-BLK1		Jan-25-10 07:11	MJB	10	10					BLANK	
1000612-DUP1		Jan-25-10 07:11	MJB	10	10		1001286-07			DUPLICATE	
1001286-01	A	Jan-25-10 07:11	MJB	10	10					SulTRAC	
1001286-02	A	Jan-25-10 07:11	MJB	10	10					SulTRAC	
1001286-03	A	Jan-25-10 07:11	MJB	10	10					SulTRAC	
1001286-04	A	Jan-25-10 07:11	MJB	10	10					SulTRAC	
1001286-05	A	Jan-25-10 07:11	MJB	10	10					SulTRAC	
1001286-06	A	Jan-25-10 07:11	MJB	10	10					SulTRAC	
1001286-07	A	Jan-25-10 07:11	MJB	10	10					SulTRAC	
1001286-08	A	Jan-25-10 07:11	MJB	10	10					SulTRAC	
1001286-09	A	Jan-25-10 07:11	MJB	10	10					SulTRAC	
1001286-10	A	Jan-25-10 07:11	MJB	10	10					SulTRAC	
1001286-11	A	Jan-25-10 07:11	MJB	10	10					SulTRAC	
1001286-12	A	Jan-25-10 07:11	MJB	10	10					SulTRAC	
1001286-13	A	Jan-25-10 07:11	MJB	10	10					SulTRAC	
1001286-14	A	Jan-25-10 07:11	MJB	10	10					SulTRAC	
1001286-15	A	Jan-25-10 07:11	MJB	10	10					SulTRAC	
1001286-16	A	Jan-25-10 07:11	MJB	10	10					SulTRAC	

Comments:	Analyst Initials:

Rerun Macro

TriMatrix Laboratories, Inc.

TOTAL PERCENT SOLIDS

BATCH INFORMATION		ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AN
Sequence: 125006		Step	Start Date	Start Time	Start Temp (°C)	End Date	End Time	End Temp (°C)	Difference Between Weighings: Less than 0.0005 g	Batch Number:
Balance Number: 210										
Analysis Date: 01/25/10		Step #1	1-25-10	8:30 AM	104	1-26-10	8:30 AM	104	Blank Concentration: Less than 0.1%(w/w)	
Analyst: MJB		Step #2								
Parameter: Percent Solids		Step #3							MS/MSD Precision: <20%	Supervisor Approva
Matrix: Soil		Step #1	Evaporation to dryness @ 103-105° C (overnight)							
Method Reference: Solids, Total 3550B (%)		Step #2	Recheck of Step #1 after further cooling in desiccator (if necessary)						LCS Accuracy: N/A	
Units: %		Step #3								
Default MRL: 0.1										

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)
1000612-BLK1		BLK1	BLK	2.272	10	2.272		0.0		0
1001286-01	SulTRAC	REG	286-01	2.246	10.0345	11.3923	91			91.14853755
1001286-02	SulTRAC	REG	286-02	2.2483	10.0484	11.5037	92			92.10819633
1001286-03	SulTRAC	REG	286-03	2.2811	10.0197	11.8281	95			95.28229388
1001286-04	SulTRAC	REG	286-04	2.2805	10.028	10.625	83			83.21200638
1001286-05	SulTRAC	REG	286-05	2.2549	10.0612	11.7758	95			94.62986522
1001286-06	SulTRAC	REG	286-06	2.2237	10.0061	10.0433	78			78.14832952
1001286-07	SulTRAC	REG	286-07	2.2325	10.0406	11.6134	93			93.42967552
1000612-DUP1		DUP1	DUP:286-07	2.2686	10.0625	11.725	94			93.97664596
1001286-08	SulTRAC	REG	286-08	2.2359	10.0468	10.0433	78			77.71031572

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)
1001286-09	SulTRAC	REG	286-09	2.2549	10.0071	10.0336	78			77.73181041
1001286-10	SulTRAC	REG	286-10	2.2488	10.0684	10.263	80			79.59755274
1001286-11	SulTRAC	REG	289-11	2.2556	10.0333	11.1981	89			89.12820308
1001286-12	SulTRAC	REG	286-12	2.2651	10.0969	12.0532	97			96.94163555
1001286-13	SulTRAC	REG	286-13	2.2346	10.0427	11.3636	91			90.9018491
1001286-14	SulTRAC	REG	286-14	2.242	10.0691	11.4498	91			91.4461074
1001286-15	SulTRAC	REG	286-15	2.2549	10.0643	10.9582	86			86.47695319
1001286-16	SulTRAC	REG	286-16	2.2653	10.0519	10.5801	83			82.71869

Rerun Macro

TriMatrix Laboratories, Inc.

Pull at 4:30
Due Feb 4TH

TOTAL PERCENT SOLIDS

BATCH INFORMATION	ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AN
Sequence: 125006	Step	Start Date	Start Time	Start Temp (°C)	End Date	End Time	End Temp (°C)	Difference Between Weighings: Less than 0.0005 g	Batch Number
Balance Number: 210									
Analysis Date: 01/25/10	Step #1	1-25-10	8:30	104				Blank Concentration: Less than 0.1%(w/w)	
Analyst: MJB	Step #2								
Parameter: Percent Solids	Step #3							MS/MSD Precision: <20%	Supervisor Approva
Matrix: Soil	Step #1	Evaporation to dryness @ 103-105° C (overnight)							
Method Reference: Solids, Total 3550B (%)	Step #2	Recheck of Step #1 after further cooling in desiccator (if necessary)						LCS Accuracy: N/A	
Units: %	Step #3								
Default MRL: 0.1									

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)
1000612-BLK1		BLK1	BLK	2.272	10					
1001286-01	SulTRAC	REG	286-01	2.246	10.0345			-22.4		-22.38277941
1001286-02	SulTRAC	REG	286-02	2.2483	10.0484			-22.4		-22.37470642
1001286-03	SulTRAC	REG	286-03	2.2811	10.0197			-22.8		-22.76615068
1001286-04	SulTRAC	REG	286-04	2.2805	10.028			-22.7		-22.74132429
1001286-05	SulTRAC	REG	286-05	2.2549	10.0612			-22.4		-22.41183954
1001286-06	SulTRAC	REG	286-06	2.2237	10.0061			-22.2		-22.2234437
1001286-07	SulTRAC	REG	286-07	2.2325	10.0406			-22.2		-22.23472701
1000612-DUP1		DUP1	DUP:286-07	2.2686	10.0625			-22.5		-22.54509317
1001286-08	SulTRAC	REG	286-08	2.2359	10.0468			-22.3		-22.25484731

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)
1001286-09	SulTRAC	REG	286-09	2.2549	10.0071			-22.5		-22.53300157
1001286-10	SulTRAC	REG	286-10	2.2488	10.0684			-22.3		-22.33522705
1001286-11	SulTRAC	REG	289-11	2.2556	10.0333			-22.5		-22.48113781
1001286-12	SulTRAC	REG	286-12	2.2651	10.0969			-22.4		-22.43361824
1001286-13	SulTRAC	REG	286-13	2.2346	10.0427			-22.3		-22.25098828
1001286-14	SulTRAC	REG	286-14	2.242	10.0691			-22.3		-22.26614097
1001286-15	SulTRAC	REG	286-15	2.2549	10.0643			-22.4		-22.40493626
1001286-16	SulTRAC	REG	286-16	2.2653	10.0519			-22.5		-22.53603796

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011810

USEPA-9014

SAMPLE ID SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-011810-062	1001254-03
S-SO-56394-CB-011810-072	1001254-04
S-SO-56394-CB-011810-057	1001254-05
S-SO-56394-DR-011910-1024	1001254-06
S-SO-56394-CB-011910-077	1001254-07
SD-SO-56394-CB-011910-077	1001254-08
S-SO-56394-CB-011910-081	1001254-09
S-SO-56394-CB-011910-086	1001254-10
S-SO-56394-CB-011910-090	1001286-01
S-SO-56394-CB-012010-094	1001286-02
S-SO-56394-CB-012010-099	1001286-03
S-SO-56394-DR-012010-1031	1001286-04
S-SO-56394-DR-012010-1035	1001286-05
S-SO-56394-DR-012010-1038	1001286-06
S-SO-56394-DR-012110-1045	1001286-07
S-SO-56394-DR-012110-1049	1001286-08
SD-SO-56394-DR-012110-1049	1001286-09
S-SO-56394-DR-012110-1050	1001286-10
S-SO-56394-CB-012010-105	1001286-11
S-SO-56394-CB-012110-107	1001286-12
S-SO-56394-CB-012110-109	1001286-13
S-SO-56394-CB-012110-114	1001286-14
S-SO-56394-CB-012110-116	1001286-15
S-SO-56394-CB-012110-118	1001286-16

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011810-062

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 13:45
Solids: 89.19
Laboratory ID: 1001254-03

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/21/10 07:15
Initial/Final: 25.25 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.075	U	01/25/10 11:08

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011810-072

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 16:15
Solids: 83.11
Laboratory ID: 1001254-04

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/21/10 07:15
Initial/Final: 24.86 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.12	mg/kg dry	1	0.12	0.080	U	01/25/10 11:08

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011810-057

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 11:25
Solids: 91.56
Laboratory ID: 1001254-05

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/21/10 07:15
Initial/Final: 25.05 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.12	mg/kg dry	1	0.11	0.073		01/25/10 11:08

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-011910-1024

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 11:30
Solids: 92.07
Laboratory ID: 1001254-06

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/21/10 07:15
Initial/Final: 24.89 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.072	U	01/25/10 11:08

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 41.10
Laboratory ID: 1001254-07

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/21/10 07:15
Initial/Final: 25.22 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.24	mg/kg dry	1	0.24	0.16	U	01/25/10 11:08

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

SD-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 40.12
Laboratory ID: 1001254-08

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/21/10 07:15
Initial/Final: 24.92 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.25	mg/kg dry	1	0.25	0.17	U	01/25/10 11:08

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 12:50
Solids: 92.31
Laboratory ID: 1001254-09

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/21/10 07:15
Initial/Final: 25.69 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.072	U	01/25/10 11:08

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011910-086

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 15:20
Solids: 78.78
Laboratory ID: 1001254-10

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/21/10 07:15
Initial/Final: 25.15 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.13	mg/kg dry	1	0.13	0.085	U	01/25/10 11:08

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011910-090

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 16:10
Solids: 91.15
Laboratory ID: 1001286-01

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/22/10 07:00
Initial/Final: 24.96 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.073	U	01/25/10 11:15

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012010-094

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 10:50
Solids: 92.11
Laboratory ID: 1001286-02

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/22/10 07:00
Initial/Final: 25.37 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.072	U	01/25/10 11:15

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012010-099

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 13:50
Solids: 95.28
Laboratory ID: 1001286-03

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/22/10 07:00
Initial/Final: 25.47 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.10	mg/kg dry	1	0.10	0.070	U	01/25/10 11:15

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-012010-1031

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 08:45
Solids: 83.21
Laboratory ID: 1001286-04

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/22/10 07:00
Initial/Final: 24.94 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.25	mg/kg dry	1	0.12	0.080		01/25/10 11:22

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-012010-1035

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 12:10
Solids: 94.63
Laboratory ID: 1001286-05

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/22/10 07:00
Initial/Final: 24.84 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.83	mg/kg dry	1	0.11	0.070		01/25/10 11:23

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-012010-1038

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 14:00
Solids: 78.15
Laboratory ID: 1001286-06

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/22/10 07:00
Initial/Final: 24.6 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.13	mg/kg dry	1	0.13	0.085	U	01/25/10 11:23

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 08:55
Solids: 93.43
Laboratory ID: 1001286-07

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/22/10 07:00
Initial/Final: 24.55 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.071	U	01/25/10 13:16

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 77.71
Laboratory ID: 1001286-08

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/22/10 07:00
Initial/Final: 24.97 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.13	0.086	J	01/25/10 11:23

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

SD-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:25
Solids: 77.73
Laboratory ID: 1001286-09

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/22/10 07:00
Initial/Final: 25.09 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.31	mg/kg dry	1	0.13	0.086		01/25/10 11:23

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-012110-1050

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:40
Solids: 79.60
Laboratory ID: 1001286-10

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/22/10 07:00
Initial/Final: 24.82 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.18	mg/kg dry	1	0.13	0.084		01/25/10 11:23

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012010-105

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 16:30
Solids: 89.13
Laboratory ID: 1001286-11

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/22/10 07:00
Initial/Final: 24.85 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.15	mg/kg dry	1	0.11	0.075		01/25/10 11:23

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012110-107

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 09:00
Solids: 96.94
Laboratory ID: 1001286-12

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/22/10 07:00
Initial/Final: 24.82 g / 250 mL
QC Batch: 1000507

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	1.4	mg/kg dry	1	0.10	0.069		01/25/10 11:30

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012110-109

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 10:00
Solids: 90.90
Laboratory ID: 1001286-13

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/25/10 07:00
Initial/Final: 24.75 g / 250 mL
QC Batch: 1000610

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.073	U	01/25/10 13:11

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012110-114

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 91.45
Laboratory ID: 1001286-14

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/25/10 07:00
Initial/Final: 24.88 g / 250 mL
QC Batch: 1000610

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.073	U	01/25/10 13:11

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012110-116

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:10
Solids: 86.48
Laboratory ID: 1001286-15

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/25/10 07:00
Initial/Final: 25.21 g / 250 mL
QC Batch: 1000610

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.31	mg/kg dry	1	0.12	0.077		01/25/10 13:11

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012110-118

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 14:10
Solids: 82.72
Laboratory ID: 1001286-16

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/25/10 07:00
Initial/Final: 25.25 g / 250 mL
QC Batch: 1000610

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	1.0	mg/kg dry	1	0.12	0.081		01/25/10 13:11

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25057

SDG: PM011810
Project: Plainwell Mill
Instrument: 298
Calibration: 0A25013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A25057-CAL1	012510cnm-001	01/25/10 10:21
Cal Standard	0A25057-CAL2	012510cnm-002	01/25/10 10:21
Cal Standard	0A25057-CAL3	012510cnm-003	01/25/10 10:21
Cal Standard	0A25057-CAL4	012510cnm-004	01/25/10 10:21
Cal Standard	0A25057-CAL5	012510cnm-005	01/25/10 10:21
Cal Standard	0A25057-CAL6	012510cnm-006	01/25/10 10:21
Cal Standard	0A25057-CAL7	012510cnm-007	01/25/10 10:21
Calibration Check	0A25057-CCV1	012510cnm-008	01/25/10 10:53
Calibration Blank	0A25057-CCB1	012510cnm-009	01/25/10 10:53
High Cal Check	0A25057-HCV1	012510cnm-011	01/25/10 10:53
Low Cal Check	0A25057-LCV1	012510cnm-012	01/25/10 10:53
MRL Check	0A25057-CRL1	012510cnm-013	01/25/10 10:53
Calibration Check	0A25057-CCV2	012510cnm-018	01/25/10 11:00
Calibration Blank	0A25057-CCB2	012510cnm-019	01/25/10 11:00
Blank	1000507-BLK1	012510cnm-024	01/25/10 11:00
S-SO-56394-CB-011810-062	1001254-03	012510cnm-025	01/25/10 11:08
Calibration Check	0A25057-CCV3	012510cnm-026	01/25/10 11:08
Calibration Blank	0A25057-CCB3	012510cnm-027	01/25/10 11:08
S-SO-56394-CB-011810-072	1001254-04	012510cnm-028	01/25/10 11:08
S-SO-56394-CB-011810-057	1001254-05	012510cnm-029	01/25/10 11:08
S-SO-56394-DR-011910-1024	1001254-06	012510cnm-030	01/25/10 11:08
S-SO-56394-CB-011910-077	1001254-07	012510cnm-031	01/25/10 11:08
SD-SO-56394-CB-011910-077	1001254-08	012510cnm-032	01/25/10 11:08
S-SO-56394-CB-011910-081	1001254-09	012510cnm-033	01/25/10 11:08
S-SO-56394-CB-011910-086	1001254-10	012510cnm-034	01/25/10 11:08
Blank	1000507-BLK2	012510cnm-035	01/25/10 11:15
LCS	1000507-BS3	012510cnm-036	01/25/10 11:15
Calibration Check	0A25057-CCV4	012510cnm-037	01/25/10 11:15
Calibration Blank	0A25057-CCB4	012510cnm-038	01/25/10 11:15
S-SO-56394-CB-011910-090	1001286-01	012510cnm-039	01/25/10 11:15
S-SO-56394-CB-012010-094	1001286-02	012510cnm-040	01/25/10 11:15
S-SO-56394-CB-012010-099	1001286-03	012510cnm-041	01/25/10 11:15

: 01239

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25057

SDG: PM011810
Project: Plainwell Mill
Instrument: 298
Calibration: 0A25013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-012010-1031	1001286-04	012510cnm-042	01/25/10 11:22
S-SO-56394-DR-012010-1035	1001286-05	012510cnm-043	01/25/10 11:23
Calibration Check	0A25057-CCV5	012510cnm-044	01/25/10 11:23
Calibration Blank	0A25057-CCB5	012510cnm-045	01/25/10 11:23
S-SO-56394-DR-012010-1038	1001286-06	012510cnm-046	01/25/10 11:23
S-SO-56394-DR-012110-1049	1001286-08	012510cnm-047	01/25/10 11:23
SD-SO-56394-DR-012110-1049	1001286-09	012510cnm-048	01/25/10 11:23
S-SO-56394-DR-012110-1050	1001286-10	012510cnm-049	01/25/10 11:23
S-SO-56394-CB-012010-105	1001286-11	012510cnm-050	01/25/10 11:23
S-SO-56394-CB-012110-107	1001286-12	012510cnm-051	01/25/10 11:30
Calibration Check	0A25057-CCV6	012510cnm-052	01/25/10 11:30
Calibration Blank	0A25057-CCB6	012510cnm-053	01/25/10 11:30
LCS	1000507-BS4	012510cnm-078	01/25/10 12:04
LCS	1000507-BS1	012510cnm-083	01/25/10 12:38
LCS	1000507-BS2	012510cnm-084	01/25/10 12:38
Blank	1000610-BLK1	012510cnm-099	01/25/10 13:03
S-SO-56394-CB-012110-109	1001286-13	012510cnm-102	01/25/10 13:11
S-SO-56394-CB-012110-109	1000610-MS1	012510cnm-103	01/25/10 13:11
S-SO-56394-CB-012110-109	1000610-MSD1	012510cnm-104	01/25/10 13:11
S-SO-56394-CB-012110-114	1001286-14	012510cnm-105	01/25/10 13:11
S-SO-56394-CB-012110-116	1001286-15	012510cnm-106	01/25/10 13:11
S-SO-56394-CB-012110-118	1001286-16	012510cnm-107	01/25/10 13:11
Calibration Check	0A25057-CCV7	012510cnm-111	01/25/10 13:16
Calibration Blank	0A25057-CCB7	012510cnm-112	01/25/10 13:16
S-SO-56394-DR-012110-1045	1001286-07	012510cnm-113	01/25/10 13:16
S-SO-56394-DR-012110-1045	1000507-MS1	012510cnm-114	01/25/10 13:16
S-SO-56394-DR-012110-1045	1000507-MSD1	012510cnm-115	01/25/10 13:16
LCS	1000610-BS1	012510cnm-116	01/25/10 13:25
LCS	1000610-BS2	012510cnm-117	01/25/10 13:40
Calibration Check	0A25057-CCV8	012510cnm-118	01/25/10 13:43
Calibration Blank	0A25057-CCB8	012510cnm-119	01/25/10 13:43

: 01240

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25057
Instrument ID: 298
Control Limt: +/- 10.00%
Calibration: 0A25013

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A25057-CCV1	Cyanide, Total	0.100	0.100	100	mg/L	01/25/10 10:53
0A25057-CCV2	Cyanide, Total	0.100	0.0983	98	mg/L	01/25/10 11:00
0A25057-CCV3	Cyanide, Total	0.100	0.0992	99	mg/L	01/25/10 11:08
0A25057-CCV4	Cyanide, Total	0.100	0.0990	99	mg/L	01/25/10 11:15
0A25057-CCV5	Cyanide, Total	0.100	0.0996	100	mg/L	01/25/10 11:23
0A25057-CCV6	Cyanide, Total	0.100	0.102	102	mg/L	01/25/10 11:30
0A25057-CCV7	Cyanide, Total	0.100	0.104	104	mg/L	01/25/10 13:16
0A25057-CCV8	Cyanide, Total	0.100	0.0998	100	mg/L	01/25/10 13:43

* Values outside of QC limits

: 01241

LOW-CONCENTRATION CALIBRATION VERIFICATION

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25057
Instrument: 298
Laboratory ID: 0A25057-LCV1
Calibration: 0A25013

Analyte	Expected	Found	% Drift	QC Limit	Units
Cyanide, Total	0.0500	0.0502	0.4	10.00	mg/L

* Values outside of QC limits

: 01242

HIGH-CONCENTRATION CALIBRATION VERIFICATION

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25057
Instrument: 298
Laboratory ID: 0A25057-HCV1
Calibration: 0A25013

Analyte	Expected	Found	% Drift	QC Limit	Units
Cyanide, Total	0.100	0.102	1.6	10.00	mg/L

* Values outside of QC limits

: 01243

CRDL STANDARD

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A25057

SDG: PM011810

Project: Plainwell Mill

Instrument ID: 298

Calibration: 0A25013

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A25057-CRL1	Cyanide, Total	0.00500	0.00415	83	mg/L	50 - 150

* Values outside of QC limits

01244

BLANKS
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25057

SDG: PM011810
Project: Plainwell Mill
Instrument ID: 298
Calibration: 0A25013

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A25057-CCB1	Cyanide, Total	-0.000080	0.010	0.0067	mg/L	U	01/25/10 10:53
0A25057-CCB2	Cyanide, Total	-0.00046	0.010	0.0067	mg/L	U	01/25/10 11:00
0A25057-CCB3	Cyanide, Total	-0.00066	0.010	0.0067	mg/L	U	01/25/10 11:08
0A25057-CCB4	Cyanide, Total	-0.000040	0.010	0.0067	mg/L	U	01/25/10 11:15
0A25057-CCB5	Cyanide, Total	-0.00035	0.010	0.0067	mg/L	U	01/25/10 11:23
0A25057-CCB6	Cyanide, Total	-0.00021	0.010	0.0067	mg/L	U	01/25/10 11:30
0A25057-CCB7	Cyanide, Total	-0.00011	0.010	0.0067	mg/L	U	01/25/10 13:16
0A25057-CCB8	Cyanide, Total	-0.00034	0.010	0.0067	mg/L	U	01/25/10 13:43

* Values outside of QC limits

: 01245

QC BATCH SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000507 QC Batch Matrix: Soil Preparation: 9010B Cyanide Distillation

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000507-BLK1	01/21/10 07:15	
Blank	1000507-BLK2	01/22/10 07:00	
LCS	1000507-BS1	01/21/10 07:15	
LCS	1000507-BS2	01/21/10 07:15	
LCS	1000507-BS3	01/22/10 07:00	
LCS	1000507-BS4	01/22/10 07:00	
S-SO-56394-DR-012110-1045	1000507-MS1	01/22/10 07:00	
S-SO-56394-DR-012110-1045	1000507-MSD1	01/22/10 07:00	
S-SO-56394-CB-011810-062	1001254-03	01/21/10 07:15	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-011810-072	1001254-04	01/21/10 07:15	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-011810-057	1001254-05	01/21/10 07:15	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-DR-011910-1024	1001254-06	01/21/10 07:15	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-011910-077	1001254-07	01/21/10 07:15	one week turn, if >= 0.09Jppm, set up SPLP
SD-SO-56394-CB-011910-077	1001254-08	01/21/10 07:15	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-011910-081	1001254-09	01/21/10 07:15	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-011910-086	1001254-10	01/21/10 07:15	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-011910-090	1001286-01	01/22/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012010-094	1001286-02	01/22/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012010-099	1001286-03	01/22/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-DR-012010-1031	1001286-04	01/22/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-DR-012010-1035	1001286-05	01/22/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-DR-012010-1038	1001286-06	01/22/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-DR-012110-1045	1001286-07	01/22/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-DR-012110-1049	1001286-08	01/22/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
SD-SO-56394-DR-012110-1049	1001286-09	01/22/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP

: 01246

QC BATCH SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

QC Batch: 1000507 QC Batch Matrix: Soil

Preparation: 9010B Cyanide Distillation

Sample Name	Lab Sample ID	Date Prepared	Observations
S-SO-56394-DR-012110-1050	1001286-10	01/22/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012010-105	1001286-11	01/22/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012110-107	1001286-12	01/22/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP

: 01247

QC BATCH SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000610
QC Batch Matrix: Soil
Preparation: 9010B Cyanide Distillation

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000610-BLK1	01/25/10 07:00	
LCS	1000610-BS1	01/25/10 07:00	
LCS	1000610-BS2	01/25/10 07:00	
S-SO-56394-CB-012110-109	1000610-MS1	01/25/10 07:00	
S-SO-56394-CB-012110-109	1000610-MSD1	01/25/10 07:00	
S-SO-56394-CB-012110-109	1001286-13	01/25/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012110-114	1001286-14	01/25/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012110-116	1001286-15	01/25/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012110-118	1001286-16	01/25/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP

METHOD BLANK DATA SHEET
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000507-BLK1
File ID: 012510cnm-024
Prepared: 01/21/10 07:15
Preparation: 9010B Cyanide Distillatic
Initial/Final: 25.12 g / 250 mL
Analyzed: 01/25/10 11:00
Instrument: 298
QC Batch: 1000507
Sequence: 0A25057
Calibration: 0A25013

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
57-12-5	Cyanide, Total	0.067	0.10	0.10	mg/kg wet	U

: 01249

METHOD BLANK DATA SHEET
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000507-BLK2
File ID: 012510cnm-035
Prepared: 01/22/10 07:00
Preparation: 9010B Cyanide Distillatic
Initial/Final: 25 g / 250 mL
Analyzed: 01/25/10 11:15
Instrument: 298
QC Batch: 1000507
Sequence: 0A25057
Calibration: 0A25013

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
57-12-5	Cyanide, Total	0.067	0.10	0.10	mg/kg wet	U

: 01250

METHOD BLANK DATA SHEET
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000610-BLK1
File ID: 012510cnm-099
Prepared: 01/25/10 07:00
Preparation: 9010B Cyanide Distillatic
Initial/Final: 25.27 g / 250 mL
Analyzed: 01/25/10 13:03
Instrument: 298
QC Batch: 1000610
Sequence: 0A25057
Calibration: 0A25013

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
57-12-5	Cyanide, Total	0.067	0.10	0.10	mg/kg wet	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012110-1045

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 24.66 g / 250 mL

Laboratory ID: 1000507-MS1

QC Batch: 1000507

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	1.09	ND	1.01	93	51 - 126	mg/kg dry

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

* Values outside of QC limits

: 01252

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012110-1045

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 24.6 g / 250 mL

Laboratory ID: 1000507-MSD1

QC Batch: 1000507

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Cyanide, Total	1.09	0.979	90	3	20	51 - 126	mg/kg dry

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-9014

S-SO-56394-CB-012110-109

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 24.73 g / 250 mL

Laboratory ID: 1000610-MS1

QC Batch: 1000610

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	1.11	ND	1.17	105	51 - 126	mg/kg dry

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

* Values outside of QC limits

: 01254

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012110-109

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 24.66 g / 250 mL

Laboratory ID: 1000610-MSD1

QC Batch: 1000610

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Cyanide, Total	1.12	1.22	109	4	20	51 - 126	mg/kg dry

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

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000507-BS1

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 24.83 g / 250 mL
QC Batch: 1000507
Sequence: 0A25057

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	1.01	0.975	97	90 - 110	mg/kg wet

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

* Values outside of QC limits

: 01256

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000507-BS2

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 24.65 g / 250 mL
QC Batch: 1000507
Sequence: 0A25057

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	0.507	0.474	93	90 - 110	mg/kg wet

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

* Values outside of QC limits

01257

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000507-BS3

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 24.41 g / 250 mL
QC Batch: 1000507
Sequence: 0A25057

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	1.02	0.962	94	90 - 110	mg/kg wet

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

* Values outside of QC limits

: 01258

LCS / LCS DUPLICATE RECOVERY

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

Laboratory ID: 1000507-BS4

SDG: PM011810

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 24.62 g / 250 mL

QC Batch: 1000507

Sequence: 0A25057

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	0.508	0.487	96	90 - 110	mg/kg wet

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

* Values outside of QC limits

: 01259

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000610-BS1

SDG: PM011810
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 25.27 g / 250 mL
QC Batch: 1000610
Sequence: 0A25057

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	0.989	0.978	99	90 - 110	mg/kg wet

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

* Values outside of QC limits

01260

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Preparation: 9010B Cyanide Distillation
Initial/Final: 25.15 g / 250 mL
Laboratory ID: 1000610-BS2
QC Batch: 1000610
Sequence: 0A25057

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	0.497	0.505	102	90 - 110	mg/kg wet

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

* Values outside of QC limits

: 01261

HOLDING TIME SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Analyte: Cyanide, Total

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011810-062	01/18/10	01/19/10		01/21/10	3	NA	01/25/10	7	14	
S-SO-56394-CB-011810-072	01/18/10	01/19/10		01/21/10	3	NA	01/25/10	7	14	
S-SO-56394-CB-011810-057	01/18/10	01/19/10		01/21/10	3	NA	01/25/10	7	14	
S-SO-56394-DR-011910-1024	01/19/10	01/19/10		01/21/10	2	NA	01/25/10	6	14	
S-SO-56394-CB-011910-077	01/19/10	01/19/10		01/21/10	2	NA	01/25/10	6	14	
SD-SO-56394-CB-011910-077	01/19/10	01/19/10		01/21/10	2	NA	01/25/10	6	14	
S-SO-56394-CB-011910-081	01/19/10	01/19/10		01/21/10	2	NA	01/25/10	6	14	
S-SO-56394-CB-011910-086	01/19/10	01/19/10		01/21/10	2	NA	01/25/10	6	14	
S-SO-56394-CB-011910-090	01/19/10	01/21/10		01/22/10	3	NA	01/25/10	6	14	
S-SO-56394-CB-012010-094	01/20/10	01/21/10		01/22/10	2	NA	01/25/10	5	14	
S-SO-56394-CB-012010-099	01/20/10	01/21/10		01/22/10	2	NA	01/25/10	5	14	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10		01/22/10	2	NA	01/25/10	5	14	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10		01/22/10	2	NA	01/25/10	5	14	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10		01/22/10	2	NA	01/25/10	5	14	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10		01/22/10	1	NA	01/25/10	4	14	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/22/10	1	NA	01/25/10	4	14	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10		01/22/10	1	NA	01/25/10	4	14	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10		01/22/10	1	NA	01/25/10	4	14	
S-SO-56394-CB-012010-105	01/20/10	01/21/10		01/22/10	2	NA	01/25/10	5	14	
S-SO-56394-CB-012110-107	01/21/10	01/21/10		01/22/10	1	NA	01/25/10	4	14	
S-SO-56394-CB-012110-109	01/21/10	01/21/10		01/25/10	4	NA	01/25/10	4	14	
S-SO-56394-CB-012110-114	01/21/10	01/21/10		01/25/10	4	NA	01/25/10	4	14	

: 01262

HOLDING TIME SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810

Client: SulTRAC

Project: Plainwell Mill

Analyte: Cyanide, Total

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012110-116	01/21/10	01/21/10		01/25/10	4	NA	01/25/10	4	14	
S-SO-56394-CB-012110-118	01/21/10	01/21/10		01/25/10	4	NA	01/25/10	4	14	

: 01263

Inorganic - Wet Chemistry, Soil, Jan-25-10

Instrument = 298, Calibration = 0A25013

Sequence Analyses:
Cyanide, Total 9014

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
0A25057-CAL1	QC		0010767		CAL STANDARD	
0A25057-CAL2	QC		0010766		CAL STANDARD	
0A25057-CAL3	QC		0010765		CAL STANDARD	
0A25057-CAL4	QC		0010764		CAL STANDARD	
0A25057-CAL5	QC		0010763		CAL STANDARD	
0A25057-CAL6	QC		0010762		CAL STANDARD	
0A25057-CAL7	QC		0010761		CAL STANDARD	
0A25057-CCV1	QC		0010762		CALIBRATION CHECK	
0A25057-CCB1	QC		0010767		CALIBRATION BLANK	
0A25057-HCV1	QC		0010757		HIGH CAL CHECK	
0A25057-LCV1	QC		0010758		LOW CAL CHECK	
0A25057-CRL1	QC		0010766		MRL CHECK	
0A25057-CCV2	QC		0010762		CALIBRATION CHECK	
0A25057-CCB2	QC		0010767		CALIBRATION BLANK	
1000507-BLK1	QC				BLANK	
1001254-03	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
0A25057-CCV3	QC		0010762		CALIBRATION CHECK	
0A25057-CCB3	QC		0010767		CALIBRATION BLANK	
1001254-04	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001254-05	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001254-06	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001254-07	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001254-08	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001254-09	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001254-10	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1000507-BLK2	QC				BLANK	
1000507-BS3	QC				LCS	
0A25057-CCV4	QC		0010762		CALIBRATION CHECK	
0A25057-CCB4	QC		0010767		CALIBRATION BLANK	
1001286-01	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001286-02	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001286-03	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP

Comments:

Analyst Initials:

Inorganic - Wet Chemistry, Soil, Jan-25-10

Instrument = 298, Calibration = 0A25013

1001286-04	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001286-05	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
0A25057-CCV5	QC		0010762		CALIBRATION CHECK	
0A25057-CCB5	QC		0010767		CALIBRATION BLANK	
1001286-06	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001286-08	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001286-09	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001286-10	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001286-11	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001286-12	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
0A25057-CCV6	QC		0010762		CALIBRATION CHECK	
0A25057-CCB6	QC		0010767		CALIBRATION BLANK	
1000507-BS4	QC				LCS	
1000507-BS1	QC				LCS	
1000507-BS2	QC				LCS	
1000610-BLK1	QC				BLANK	
1001286-13	Cyanide, Total 9014	A 03			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1000610-MS1	QC				MATRIX SPIKE	
1000610-MSD1	QC				MATRIX SPIKE DUP	
1001286-14	Cyanide, Total 9014	A 03			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001286-15	Cyanide, Total 9014	A 03			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001286-16	Cyanide, Total 9014	A 03			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
0A25057-CCV7	QC		0010762		CALIBRATION CHECK	
0A25057-CCB7	QC		0010767		CALIBRATION BLANK	
1001286-07	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1000507-MS1	QC				MATRIX SPIKE	
1000507-MSD1	QC				MATRIX SPIKE DUP	
1000610-BS1	QC				LCS	
1000610-BS2	QC				LCS	
0A25057-CCV8	QC		0010762		CALIBRATION CHECK	
0A25057-CCB8	QC		0010767		CALIBRATION BLANK	

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

Due 02/02/10

PREPARATION BATCH 1000507

Printed: 1/21/2010 11:00:09AM

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

4MD 1/28/10

Batch Comments: (none)

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001254	Cyanide, Total 9014				

Lab Number	*Contain*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1000507-BLK1		Jan-21-10 07:15	LMA	25.12	250					BLANK	
1000507-BS1		Jan-21-10 07:15	LMA	24.83	250			0010379	250	LCS	
1000507-BS2		Jan-21-10 07:15	LMA	24.65	250			0010379	125	LCS	
1001254-03	A	Jan-21-10 07:15	LMA	25.25	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-04	A	Jan-21-10 07:15	LMA	24.86	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-05	A	Jan-21-10 07:15	LMA	25.05	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-06	A	Jan-21-10 07:15	LMA	24.89	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-07	A	Jan-21-10 07:15	LMA	25.22	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-08	A	Jan-21-10 07:15	LMA	24.92	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-09	A	Jan-21-10 07:15	LMA	25.69	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-10	A	Jan-21-10 07:15	LMA	25.15	250					SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

due 02/04/10

PREPARATION BATCH 1000507

Printed: 1/22/2010 12:21:44PM

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

4MD

(No Surrogate)

Batch Comments: (none)

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001254	Cyanide, Total 9014	1001286	Cyanide, Total 9014		

Lab Number	*Contain*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1000507-BLK1		Jan-21-10 07:15	LMA	25.12	250					BLANK	
1000507-BS1		Jan-21-10 07:15	LMA	24.83	250			0010379	250	LCS	
1000507-BS2		Jan-21-10 07:15	LMA	24.65	250			0010379	125	LCS	
1001254-03	A	Jan-21-10 07:15	LMA	25.25	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-04	A	Jan-21-10 07:15	LMA	24.86	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-05	A	Jan-21-10 07:15	LMA	25.05	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-06	A	Jan-21-10 07:15	LMA	24.89	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-07	A	Jan-21-10 07:15	LMA	25.22	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-08	A	Jan-21-10 07:15	LMA	24.92	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-09	A	Jan-21-10 07:15	LMA	25.69	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-10	A	Jan-21-10 07:15	LMA	25.15	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1000507-BLK2		Jan-22-10 07:00	LMA	25	250					BLANK	
1000507-BS3		Jan-22-10 07:00	LMA	24.41	250			0010706	250	LCS	
1000507-BS4		Jan-22-10 07:00	LMA	24.62	250			0010706	125	LCS	
1000507-MS1		Jan-22-10 07:00	LMA	24.66	250		1001286-07	0010706	250	MATRIX SPIKE	
1000507-MSD1		Jan-22-10 07:00	LMA	24.6	250		1001286-07	0010706	250	MATRIX SPIKE DUP	
1001286-01	A	Jan-22-10 07:00	LMA	24.96	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-02	A	Jan-22-10 07:00	LMA	25.37	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-03	A	Jan-22-10 07:00	LMA	25.47	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-04	A	Jan-22-10 07:00	LMA	24.94	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-05	A	Jan-22-10 07:00	LMA	24.84	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-06	A	Jan-22-10 07:00	LMA	24.6	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-07	~~B~~ A	Jan-22-10 07:00	LMA	24.55	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-08	A	Jan-22-10 07:00	LMA	24.97	250					SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments:

Analyst Initials:

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

Batch Comments: (none)

Lab Number	*Contain*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1001286-09	A	Jan-22-10 07:00	LMA	25.09	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-10	A	Jan-22-10 07:00	LMA	24.82	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-11	A	Jan-22-10 07:00	LMA	24.85	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-12	A	Jan-22-10 07:00	LMA	24.82	250					SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments:	Analyst Initials:

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

Batch Comments: (none)

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001286	Cyanide, Total 9014				

Lab Number	*Contain*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1000610-BLK1		Jan-25-10 07:00	LMA	25.27	250					BLANK	
1000610-BS1		Jan-25-10 07:00	LMA	25.27	250			0010706	250	LCS	
1000610-BS2		Jan-25-10 07:00	LMA	25.15	250			0010706	125	LCS	
1000610-MS1		Jan-25-10 07:00	LMA	24.73	250		1001286-13	0010706	250	MATRIX SPIKE	
1000610-MSD1		Jan-25-10 07:00	LMA	24.66	250		1001286-13	0010706	250	MATRIX SPIKE DUP	
1001286-13	A	Jan-25-10 07:00	LMA	24.75	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-14	A	Jan-25-10 07:00	LMA	24.88	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-15	A	Jan-25-10 07:00	LMA	25.21	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-16	A	Jan-25-10 07:00	LMA	25.25	250					SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

due 02/02/10

PREPARATION BATCH 1000507

Printed: 1/21/2010 6:38:55AM

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

Batch Comments: (none)

RawData 4MD

01279

Standard	Description	Solvent	LotNum
0010379	Cyanide 100 mg/L	INR10.55-8	N/A

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001254	Cyanide, Total 9014				

Lab Number	Contain	Prepared	By	Initial (g)	Final (mL)	Dilution	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1000507-BLK1		Jan 21,10 7:00am	LMA	25.12	250		1/21/10 LMA 0010379	0010379 +250		BLANK	
1000507-BS1				24.83					+250	LCS	
1000507-BS2				24.65					+125	LCS	
1001254-03	A			25.25						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-04	A			24.86						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-05	A			25.05						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-06	A			24.89						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-07	A			25.22						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-08	A			24.92						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-09	A			25.69						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-10	A			25.15						SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments: PH>12 W/NaOH Reagents
Checked for interferences INR10.43-7, INR10.45-7, H2SO4 094609, INR10.47-7 7:00-8:45am

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1000507

due 02/04/10

Printed: 1/22/2010 12:21:50PM

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

Raw Data

Batch Comments: (none)

Standard	Description	Solvent	LotNum
0010379	Cyanide 100 mg/L	INR10.55-8	N/A
0010706	Cyanide 100 mg/L	INR10.55-14	N/A

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001254	Cyanide, Total 9014	1001286	Cyanide, Total 9014		

Lab Number	*Contain*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*Dilution*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1000507-BLK1										BLANK	
1000507-BS1										LCS	
1000507-BS2										LCS	
1001254-03										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-04										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-05										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-06										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-07										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-08										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-09										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001254-10										SulTRAC	one week turn, if >= 0.09Jppm, set up
1000507-BLK2		Jan 22, 10 7:00am	MH	25.00	250					BLANK	
1000507-BS3				24.41				0010706	+250	LCS	
1000507-BS4				24.62					+25	LCS	
1000507-MS1				24.66			1001286-07		+250	MATRIX SPIKE	
1000507-MSD1				24.60			1001286-07		+250	MATRIX SPIKE DUP	
1001286-01	A			24.96						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-02	A			25.37						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-03	A			25.47						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-04	A			24.94						SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments:

7:00-9:00am checked for interferences Reagents INR10.43-7, INR10.45-7, INR10.44-7, H2SO4 Lot# 094609

Analyst Initials:

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

Batch Comments: (none)

Lab Number	*Contain*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*Dilution*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1001286-05	A	Jan 22, 10 7:00am	MM	24.84	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-06	A			24.60						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-07	A			24.55						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-08	A			24.97						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-09	A			25.09						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-10	A			24.82						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-11	A			24.85						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-12	A	"	"	24.82	"					SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1000610

Due 02/04/10

Printed: 1/25/2010 6:36:55AM

4MD

Raw Data

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

Batch Comments: (none)

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001286	Cyanide, Total 9014				

Lab Number	Contain	Prepared	By	Initial (g)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1000610-BLK1		Jan-25-10 07:00	LMA	~~25~~ 25.27	250					BLANK	
1000610-BS1		Jan-25-10 07:00	LMA	~~25~~ 25.27	250			0010706	250	LCS	
1000610-BS2		Jan-25-10 07:00	LMA	~~25~~ 25.15	250			0010706	125	LCS	
1000610-MS1		Jan-25-10 07:00	LMA	~~25~~ 24.73	250		1001286-13	0010706	250	MATRIX SPIKE	
1000610-MSD1		Jan-25-10 07:00	LMA	~~25~~ 24.106	250		1001286-13	0010706	250	MATRIX SPIKE DUP	
1001286-13	A	Jan-25-10 07:00	LMA	~~25~~ 25.75	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-14	A	Jan-25-10 07:00	LMA	~~25~~ 24.88	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-15	A	Jan-25-10 07:00	LMA	~~25~~ 25.21	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001286-16	A	Jan-25-10 07:00	LMA	~~25~~ 25.25	250					SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments: OH>12 w/NaOH checked for interferences Reagents INK10.43-7, INK10.45-8, H2SO4 lot # 094609, INK10.44-7 7.00am-8.00am

Analyst Initials:

bch_TriMatrix.rpt

Calibration results AquaKem 6.5 Page: 1

Laboratory inst#298
Konelab User

25.01.2010 10:30

Test CN

10:00am-1:50pm

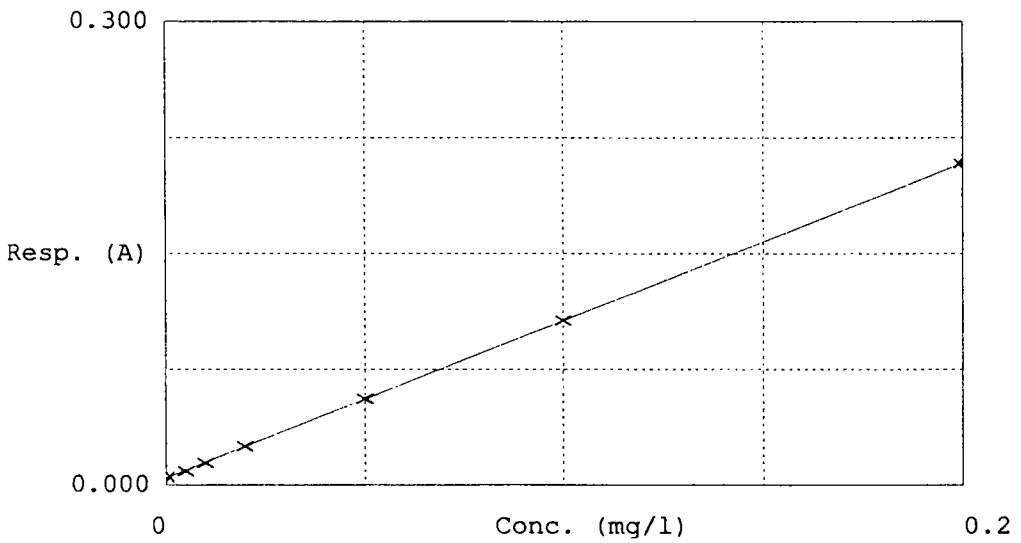
Accepted 25.01.2010 10:30

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
LCV 0010758
091274

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		
1/2/10 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		