

November 28, 2010

TestAmerica Project Number: G0K160437

PO/Contract: 2027.07

Ted Splitter
Tronox LLC / AIU Henderson, NV
PO Box 268859
Oklahoma City, OK 73126-8859

Dear Mr. Splitter,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on November 16, 2010. These samples are associated with your Tronox Henderson Air Monitoring project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4383.

Sincerely,



DAVID R. ALLTUCKER
Project Manager

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Samples: 1, 2, 3, 4

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Case Narrative

TestAmerica West Sacramento Project Number G0K160437

There are no anomalies associated with this project.

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014r

*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

TestAmerica West Sacramento Project Number G0K160437

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
L94MP	1	UW-11022010B	11/2/2010 05:09 PM	11/16/2010 09:00 AM
L94M4	2	DW-11022010B	11/2/2010 05:25 PM	11/16/2010 09:00 AM
L94M7	3	UW-11032010B	11/3/2010 05:50 PM	11/16/2010 09:00 AM
L94M9	4	DW-11032010B	11/3/2010 05:59 PM	11/16/2010 09:00 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CLIENT Northgate PM DA LOG # 68167

LOT# (QUANTIMS ID) 40K160437 QUOTE# 54087 LOCATION AC

DATE RECEIVED 11/16/10 TIME RECEIVED 0900 Checked (✓)

DELIVERED BY FEDEX ON TRAC CLIENT

GOLDENSTATE UPS GO-GETTERS OTHER

TAL COURIER TAL SF VALLEY LOGISTICS

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) 843605, 843606

SHIPPING CONTAINER(S) TAL CLIENT N/A

COC #(S) 2027.07.0016

TEMPERATURE BLANK Observed: NA Corrected: _____

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: 5, 3, 3 Average 4 Corrected Average 4

LABORATORY THERMOMETER ID:

IR UNIT: #4 #5 OTHER _____

CV 11/16/10
Initials Date

pH MEASURED YES ANOMALY N/A

LABELLED BY.....

LABELS CHECKED BY.....

PEER REVIEW _____ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM N/A

VOA-ENCORES N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES N/A

CLOUSEAU TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 N/A

WET ICE BLUE ICE GEL PACK NO COOLING AGENTS USED PM NOTIFIED

CV 11/16/10
Initials Date

Notes _____

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

Lot ID: GOK160437

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter	/	/	/	/																
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

AIR, Metals by ICPMS (As and Mn)

Northgate Environmental Management, Inc.

Sample ID: UW-11022010B

Trace Level Compounds

Lot - Sample #....: G0K160437 - 001 Work Order #....: L94MP1AC Matrix....: AA
Date Sampled....: 11/02/10 Date Received....: 11/16/10 Dilution Factor....: 1
Prep Date....: 11/18/10 Analysis Date....: 11/21/10 Volume....: 818.19
Prep Batch #: 0322435 Instrument ID....: M02 Method....: SW846 6020
Initial Wgt/Vol....: 0.08333 L Analyst ID....: Sabine Hargrave

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Arsenic	0.0016 B J	0.0029	0.00060	ug/m3
Manganese	2.07	0.00147	0.000208	ug/m3

QUALIFIERS

- B Estimated result. Result is less than RL and greater than or equal to the IDL.
- J Estimated Result.

Northgate Environmental Management, Inc.

Sample ID: DW-11022010B

Trace Level Compounds

Lot - Sample #....: G0K160437 - 002 Work Order #....: L94M41AC Matrix....: AA
Date Sampled....: 11/02/10 Date Received....: 11/16/10 Dilution Factor....: 1
Prep Date....: 11/18/10 Analysis Date....: 11/21/10 Volume....: 875.43
Prep Batch #: 0322435 Instrument ID....: M02 Method....: SW846 6020
Initial Wgt/Vol....: 0.08333 L Analyst ID....: Sabine Hargrave

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Arsenic	0.00067 B J	0.0027	0.00056	ug/m3
Manganese	0.129	0.00137	0.000194	ug/m3

QUALIFIERS

- B Estimated result. Result is less than RL and greater than or equal to the IDL.
- J Estimated Result.

Northgate Environmental Management, Inc.

Sample ID: UW-11032010B

Trace Level Compounds

Lot - Sample #....:	G0K160437 - 003	Work Order #....:	L94M71AC	Matrix....:	AA
Date Sampled....:	11/03/10	Date Received....:	11/16/10	Dilution Factor....:	1
Prep Date....:	11/18/10	Analysis Date....:	11/21/10	Volume....:	876.68
Prep Batch #:	0322435	Instrument ID....:	M02	Method....:	SW846 6020
Initial Wgt/Vol....:	0.08333 L	Analyst ID....:	Sabine Hargrave		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Arsenic	0.00076 B J	0.0027	0.00056	ug/m3
Manganese	1.92	0.00137	0.000194	ug/m3

QUALIFIERS

- B Estimated result. Result is less than RL and greater than or equal to the IDL.
- J Estimated Result.

Northgate Environmental Management, Inc.

Sample ID: DW-11032010B

Trace Level Compounds

Lot - Sample #....: GOK160437 - 004 Work Order #....: L94M91AC Matrix....: AA
Date Sampled....: 11/03/10 Date Received....: 11/16/10 Dilution Factor....: 1
Prep Date....: 11/18/10 Analysis Date....: 11/21/10 Volume....: 930.98
Prep Batch #: 0322435 Instrument ID....: M02 Method....: SW846 6020
Initial Wgt/Vol....: 0.08333 L Analyst ID....: Sabine Hargrave

<u>PARAMETER</u>	<u>RESULT</u>		<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Arsenic	0.00079	B J	0.0026	0.00053	ug/m3
Manganese	0.280		0.00129	0.000183	ug/m3

QUALIFIERS

- B Estimated result. Result is less than RL and greater than or equal to the IDL.
- J Estimated Result.

QC DATA ASSOCIATION SUMMARY

GOK160437

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AA	SW846 6020		0322435	
002	AA	SW846 6020		0322435	
003	AA	SW846 6020		0322435	
004	AA	SW846 6020		0322435	

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0K180000 - 435B	Work Order #....:	L99F11AA	Matrix....:	AIR
Date Sampled....:	11/02/10	Date Received....:	11/16/10	Dilution Factor....:	1
Prep Date....:	11/18/10	Analysis Date....:	11/21/10	Volume....:	0
Prep Batch #:	0322435	Instrument ID....:	M02	Method....:	SW846 6020
Initial Wgt/Vol....:	0.08333 L	Analyst ID....:	Sabine Hargrave		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Arsenic	0.60 B	2.4	0.49	ug
Manganese	ND	1.2	0.17	ug

QUALIFIERS

B Estimated result. Result is less than RL and greater than or equal to the IDL.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...: G0K160437	Work Order # ...: L99F11AD-LCS	Matrix : AIR
LCS Lot-Sample# : G0K180000 - 435	L99F11AE-LCSD	
Prep Date : 11/18/10	Analysis Date ...: 11/21/10	
Prep Batch # ...: 0322435		
Dilution Factor : 1		
Analyst ID.....: Sabine Hargrave	Instrument ID.: M02	Method.....: SW846 6020
Initial Wgt/Vol: 0.08333 L		

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>
Arsenic	240	214	ug	89	(86 - 110)		
	240	218	ug	91	(86 - 110)	1.6	(0 - 15)
Manganese	240	222	ug	92	(88 - 110)		
	240	226	ug	94	(88 - 110)	1.6	(0 - 15)

Notes:

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

AIR, TSP- Total Suspended Particulates

Northgate Environmental Management, Inc.

Sample ID: UW-11022010B

Trace Level Compounds

Lot - Sample #....:	G0K160437 - 001	Work Order #....:	L94MP1AA	Matrix....:	AA
Date Sampled....:	11/02/10	Date Received....:	11/16/10	Dilution Factor....:	1
Prep Date....:	11/17/10	Analysis Date....:	11/19/10	Volume....:	818.19
Prep Batch #:	0323369	Instrument ID....:	QA-045	Method....:	CFR50B APDX B
Initial Wgt/Vol....:	0	Analyst ID....:	Thep Phomsopha		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Total Suspended Particulates	0.0000660	0.000000611	--	g/m3

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: DW-11022010B

Trace Level Compounds

Lot - Sample #....:	G0K160437 - 002	Work Order #....:	L94M41AA	Matrix....:	AA
Date Sampled....:	11/02/10	Date Received....:	11/16/10	Dilution Factor....:	1
Prep Date....:	11/17/10	Analysis Date....:	11/19/10	Volume....:	875.43
Prep Batch #:	0323369	Instrument ID....:	QA-045	Method....:	CFR50B APDX B
Initial Wgt/Vol....:		Analyst ID....:	Thep Phomsopha		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Total Suspended Particulates	0.0000427	0.00000571	--	g/m3

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: UW-11032010B

Trace Level Compounds

Lot - Sample #....:	G0K160437 - 003	Work Order #....:	L94M71AA	Matrix....:	AA
Date Sampled....:	11/03/10	Date Received....:	11/16/10	Dilution Factor....:	1
Prep Date....:	11/17/10	Analysis Date....:	11/19/10	Volume....:	876.68
Prep Batch #:	0323369	Instrument ID....:	QA-045	Method....:	CFR50B APDX B
Initial Wgt/Vol....:		Analyst ID....:	Thep Phomsopha		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Total Suspended Particulates	0.0000517	0.000000570	--	g/m3

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: DW-11032010B

Trace Level Compounds

Lot - Sample #....:	G0K160437 - 004	Work Order #....:	L94M91AA	Matrix....:	AA
Date Sampled....:	11/03/10	Date Received....:	11/16/10	Dilution Factor....:	1
Prep Date....:	11/17/10	Analysis Date....:	11/19/10	Volume....:	930.98
Prep Batch #:	0323369	Instrument ID....:	QA-045	Method....:	CFR50B APDX B
Initial Wgt/Vol....:		Analyst ID....:	Thep Phomsopha		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Total Suspended Particulates	0.0000465	0.00000537	--	g/m3

QUALIFIERS

QC DATA ASSOCIATION SUMMARY

G0K160437

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AA	CFR50B APDX B		0323369	
002	AA	CFR50B APDX B		0323369	
003	AA	CFR50B APDX B		0323369	
004	AA	CFR50B APDX B		0323369	

AIR, Metals by ICPMS (As and Mn)

Raw Data Package

ICPMS

Instrument ID (Circle one): M01 M02		Method 6020 SOP SAC-MT-0001		
File Number <i>101121AZ</i>	Batch Numbers <i>312269, 319271, 319273, 319268, 322434, 322436, 322435, 314283</i>	Date <i>11-21-10</i>	Analyst <i>SH</i>	
Lot Numbers <i>GOK020508, GOK100450, GOK010418, GOK090544, GOK120496, GOK120572 GOK160437, GOK020536</i>		YES	NO	NA
1. Copy of analysis protocol used included?		/		
2. ICVs & CCVs within 10% of true value or recal and rerun?		/		
3. ICB & CCBs < reporting limit or recal and rerun?		/		
4. 10 samples or less analyzed between calibration checks?		/		
5. All parameters within linear range?		/		
6. LCS/LCSD within limits?		/		
7. Prep blank value < reporting limit or all samples >20x blank?		/		
8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <120% of the Calibration Blank intensities?		/		
9. Appropriate dilution factors applied to data?		/		
10. Matrix spike and spike dup within customer defined limits?				/
11. Each batch checked for presence of internal standard in samples?		/		
12. Anomalies entered using Clouseau?				/

COMMENTS: _____

REVIEWED BY: <i>MTZ</i>	DATA ENTERED BY: <i>SH</i>
DATE: <i>11/22/10</i>	DATE: <i>11-22-10</i>

Dataset Report

Perkin Elmer M02
SOP No. SAC-MT-0001
Method: 6020,200.8

User Name: metal
Computer Name: SACP1223
Dataset File Path: E:\elandata\Dataset\101121a2\
Report Date/Time: Monday, November 22, 2010 07:14:28

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Description
	TUNE SHARGRAVE	13:21:36 Sun 21-Nov-10	Sample	
	AUTOLENS SHARGF	13:24:09 Sun 21-Nov-10	Sample	Auto Lens Calib
	DAILY SHARGRAVE	13:32:26 Sun 21-Nov-10	Sample	
	Rinse 2X	13:53:56 Sun 21-Nov-10	Sample	
	Blank	13:58:17 Sun 21-Nov-10	Blank	
	Standard 1	14:02:32 Sun 21-Nov-10	Standard #1	
	ICV	14:06:32 Sun 21-Nov-10	Sample	
	ICB	14:10:36 Sun 21-Nov-10	Sample	
	LLSTD1	14:16:31 Sun 21-Nov-10	Sample	LLSTD@10X
	LLSTD2	14:20:35 Sun 21-Nov-10	Sample	LLSTD@5X
	ICSA	14:30:12 Sun 21-Nov-10	Sample	
	ICSAB	14:34:15 Sun 21-Nov-10	Sample	
	Rinse	14:41:59 Sun 21-Nov-10	Sample	
	CCV 1	14:49:44 Sun 21-Nov-10	Sample	
	CCB 1	14:53:49 Sun 21-Nov-10	Sample	
	CCV 2	14:57:54 Sun 21-Nov-10	Sample	
	CCB 2	15:01:59 Sun 21-Nov-10	Sample	
312269	L9PGPB	15:06:00 Sun 21-Nov-10	Sample	G0K080000-269 BLK
319271/68	L93G4B	15:10:03 Sun 21-Nov-10	Sample	G0K150000-271 BLK ⁶⁸
319273/71/68	L93HEC	15:14:14 Sun 21-Nov-10	Sample	G0K150000-273 LCS
319268/71/73	L93GPL	15:18:13 Sun 21-Nov-10	Sample	G0K150000-268 LCSD
322434	L99FXB	15:22:14 Sun 21-Nov-10	Sample	G0K180000-434 BLK
322436	L99F3C	15:26:16 Sun 21-Nov-10	Sample	G0K180000-436 LCS
322435	L99F1L	15:30:16 Sun 21-Nov-10	Sample	G0K180000-435 LCSD
	CCV 3	15:34:21 Sun 21-Nov-10	Sample	
	CCB 3	15:38:25 Sun 21-Nov-10	Sample	
	CCV 4	15:42:30 Sun 21-Nov-10	Sample	
	CCB 4	15:46:05 Sun 21-Nov-10	Sample	> <i>cut down method</i>
	CCV 5	15:49:39 Sun 21-Nov-10	Sample	
	CCB 5	15:53:13 Sun 21-Nov-10	Sample	
312269	L9PGPC	15:56:43 Sun 21-Nov-10	Sample	G0K080000-269 LCS
312269	L9PGPL	16:00:13 Sun 21-Nov-10	Sample	G0K080000-269 LCSD
312269	L9DNC	16:03:42 Sun 21-Nov-10	Sample	G0K010418-1
312269	L9DNC P5	16:07:11 Sun 21-Nov-10	Sample	G0K010418-1 5X
312269	L9DNCZ	16:10:40 Sun 21-Nov-10	Sample	G0K010418-1 PS
312269	L9DNK	16:14:08 Sun 21-Nov-10	Sample	G0K010418-2
312269	L9DNM	16:17:37 Sun 21-Nov-10	Sample	G0K010418-3
312269	L9DNN	16:21:07 Sun 21-Nov-10	Sample	G0K010418-4
312269	L9DNR	16:24:36 Sun 21-Nov-10	Sample	G0K010418-5
312269	L9DNT	16:28:07 Sun 21-Nov-10	Sample	G0K010418-6
	CCV 6	16:31:42 Sun 21-Nov-10	Sample	
	CCB 6	16:35:16 Sun 21-Nov-10	Sample	
	CCV 7	16:38:51 Sun 21-Nov-10	Sample	
	CCB 7	16:42:26 Sun 21-Nov-10	Sample	
319268	L9RFH	16:45:56 Sun 21-Nov-10	Sample	G0K090544-1
319268	L9RFHP5	16:49:27 Sun 21-Nov-10	Sample	G0K090544-1 5X
319268	L9RFHZ	16:52:56 Sun 21-Nov-10	Sample	G0K090544-1 PS

Recal

shared QC

Recal

report As, Ag, Ba, Mn, Fe, Sb

> cut down method

319268	L9RFJ	16:56:24 Sun 21-Nov-10	Sample	GOK090544-2
319268	L9RFK	16:59:51 Sun 21-Nov-10	Sample	GOK090544-3
319268	L9RFL	17:03:19 Sun 21-Nov-10	Sample	GOK090544-4
319268	L9RFM	17:06:48 Sun 21-Nov-10	Sample	GOK090544-5
319268	L9RFN	17:10:16 Sun 21-Nov-10	Sample	GOK090544-6
319268	L9RFP	17:13:45 Sun 21-Nov-10	Sample	GOK090544-7
	CCV 8	17:17:19 Sun 21-Nov-10	Sample	
	CCB 8	17:20:54 Sun 21-Nov-10	Sample	
	CCV 9	17:24:28 Sun 21-Nov-10	Sample	
	CCB 9	17:28:02 Sun 21-Nov-10	Sample	
322434	L90TF	17:31:32 Sun 21-Nov-10	Sample	GOK120496-1
322434	L90TFP5	17:35:02 Sun 21-Nov-10	Sample	GOK120496-1 5X
322434	L90TFZ	17:38:31 Sun 21-Nov-10	Sample	GOK120496-1 PS
322434	L90TJ	17:42:01 Sun 21-Nov-10	Sample	GOK120496-2
322434	L90TK	17:45:31 Sun 21-Nov-10	Sample	GOK120496-3
322434	L90TL	17:49:02 Sun 21-Nov-10	Sample	GOK120496-4
322434	L90TM	17:52:32 Sun 21-Nov-10	Sample	GOK120496-5
322434	L90TN	17:56:03 Sun 21-Nov-10	Sample	GOK120496-6
322434	L90TP	17:59:33 Sun 21-Nov-10	Sample	GOK120496-7
	CCV 10	18:03:06 Sun 21-Nov-10	Sample	
	CCB 10	18:06:40 Sun 21-Nov-10	Sample	
	CCV 11	18:10:14 Sun 21-Nov-10	Sample	
	CCB 11	18:13:48 Sun 21-Nov-10	Sample	
	ICSA	18:17:22 Sun 21-Nov-10	Sample	
	ICSAB	18:20:54 Sun 21-Nov-10	Sample	
	CCV 12	18:28:07 Sun 21-Nov-10	Sample	
	CCB 12	18:31:41 Sun 21-Nov-10	Sample	
	CCV 13	18:35:17 Sun 21-Nov-10	Sample	
	CCB 13	18:38:53 Sun 21-Nov-10	Sample	
322436	L97JN	18:42:23 Sun 21-Nov-10	Sample	GOK170572-1
322436	L97JNP5	18:45:51 Sun 21-Nov-10	Sample	GOK170572-1 5X
322436	L97JNZ	18:49:20 Sun 21-Nov-10	Sample	GOK170572-1 PS
322436	L97JP	18:52:49 Sun 21-Nov-10	Sample	GOK170572-2
322436	L97JR	18:56:18 Sun 21-Nov-10	Sample	GOK170572-3
322436	L97JT	18:59:47 Sun 21-Nov-10	Sample	GOK170572-4
	CCV 14	19:03:23 Sun 21-Nov-10	Sample	
	CCB 14	19:06:59 Sun 21-Nov-10	Sample	
	CCV 15	19:10:36 Sun 21-Nov-10	Sample	
	CCB 15	19:13:15 Sun 21-Nov-10	Sample	> <i>at down method</i>
	CCV 16	19:15:54 Sun 21-Nov-10	Sample	
	CCB 16	19:18:32 Sun 21-Nov-10	Sample	
322435	L94MP	19:21:05 Sun 21-Nov-10	Sample	GOK160437-1
322435	L94MPP5	19:23:38 Sun 21-Nov-10	Sample	GOK160437-1 5X
322435	L94MPZ	19:26:10 Sun 21-Nov-10	Sample	GOK160437-1 PS
322435	L94M4	19:28:43 Sun 21-Nov-10	Sample	GOK160437-2
322435	L94M7	19:31:16 Sun 21-Nov-10	Sample	GOK160437-3
322435	L94M9	19:33:49 Sun 21-Nov-10	Sample	GOK160437-4
	CCV 17	19:36:28 Sun 21-Nov-10	Sample	
	CCB 17	19:39:07 Sun 21-Nov-10	Sample	
	CCV 18	19:41:46 Sun 21-Nov-10	Sample	
	CCB 18	19:45:30 Sun 21-Nov-10	Sample	> <i>change method</i>
	CCV 19	19:49:14 Sun 21-Nov-10	Sample	
	CCB 19	19:52:59 Sun 21-Nov-10	Sample	
314283	L9TFKB	19:56:39 Sun 21-Nov-10	Sample	GOK100000-283 BLK
314283	L9TFKC	20:00:17 Sun 21-Nov-10	Sample	GOK100000-283 LCS
	CCV 20	20:04:01 Sun 21-Nov-10	Sample	
	CCB 20	20:07:46 Sun 21-Nov-10	Sample	
	CCV 21	20:11:31 Sun 21-Nov-10	Sample	
	CCB 21	20:15:15 Sun 21-Nov-10	Sample	
314283	L9F0G	20:18:55 Sun 21-Nov-10	Sample	GOK020536-1 -> <i>don't use conditi. instr.</i>

314283	L9F0GP5	20:22:34 Sun 21-Nov-10	Sample	GOK020536-1 5X	} don't use condit. instr.
314283	L9F0GZ	20:26:12 Sun 21-Nov-10	Sample	GOK020536-1 PS	
	CCV 22	20:29:54 Sun 21-Nov-10	Sample		
	CCB 22	20:33:38 Sun 21-Nov-10	Sample		> out IS of elem. P
	CCV 23	20:37:23 Sun 21-Nov-10	Sample		
	CCB 23	20:41:07 Sun 21-Nov-10	Sample		
314283	L9F0G	20:44:47 Sun 21-Nov-10	Sample	GOK020536-1	} report all
314283	L9F0GP5	20:48:26 Sun 21-Nov-10	Sample	GOK020536-1 5X	
314283	L9F0GZ	20:52:04 Sun 21-Nov-10	Sample	GOK020536-1 PS	
	CCV 24	20:55:46 Sun 21-Nov-10	Sample		
	CCB 24	20:59:31 Sun 21-Nov-10	Sample		

> Recal

> out IS of elem. P

} report all

Method: 6020 (SOP: SAC-MT-001)

Instrument: M02

Reported: 11/22/10 08:01:45

File ID: 101121A2

Analyst: hargraves

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
1	Rinse 2X				2.0	11/21/10 13:53	<input type="checkbox"/>
2	Blank				1.0	11/21/10 13:58	<input type="checkbox"/>
3	Standard1				1.0	11/21/10 14:02	<input type="checkbox"/>
4	ICV				1.0	11/21/10 14:06	<input type="checkbox"/>
5	ICB				1.0	11/21/10 14:10	<input type="checkbox"/>
6	LLSTD1				1.0	11/21/10 14:16	<input type="checkbox"/>
7	LLSTD2				1.0	11/21/10 14:20	<input type="checkbox"/>
8	ICSA				1.0	11/21/10 14:30	<input type="checkbox"/>
9	ICSAB				1.0	11/21/10 14:34	<input type="checkbox"/>
10	Rinse				1.0	11/21/10 14:41	<input type="checkbox"/>
11	CCV 1				1.0	11/21/10 14:49	<input type="checkbox"/>
12	CCB 1				1.0	11/21/10 14:53	<input type="checkbox"/>
15	CCV 2				1.0	11/21/10 14:57	<input type="checkbox"/>
16	CCB 2				1.0	11/21/10 15:01	<input type="checkbox"/>
17	L9PGPB	G0K080000	0312269	2A	1.0	11/21/10 15:06	<input type="checkbox"/>
18	L93G4B	G0K150000	0319271	2A	1.0	11/21/10 15:10	<input type="checkbox"/>
19	L93HEC	G0K150000	0319273	2A	1.0	11/21/10 15:14	<input type="checkbox"/>
20	L93GPL	G0K150000	0319268	2A	1.0	11/21/10 15:18	<input type="checkbox"/>
21	L99FXB	G0K180000	0322434	2A	1.0	11/21/10 15:22	<input type="checkbox"/>
22	L99F3C	G0K180000	0322436	2A	1.0	11/21/10 15:26	<input type="checkbox"/>
23	L99F1L	G0K180000	0322435	2A	1.0	11/21/10 15:30	<input type="checkbox"/>
24	CCV 3				1.0	11/21/10 15:34	<input type="checkbox"/>
25	CCB 3				1.0	11/21/10 15:38	<input type="checkbox"/>
26	CCV 4				1.0	11/21/10 15:42	<input type="checkbox"/>
27	CCB 4				1.0	11/21/10 15:46	<input type="checkbox"/>
30	CCV 5				1.0	11/21/10 15:49	<input type="checkbox"/>
31	CCB 5				1.0	11/21/10 15:53	<input type="checkbox"/>
32	L9PGPC	G0K080000	0312269	2A	1.0	11/21/10 15:56	<input type="checkbox"/>
33	L9PGPL	G0K080000	0312269	2A	1.0	11/21/10 16:00	<input type="checkbox"/>
34	L9DNC	G0K010418-1	0312269	2A	1.0	11/21/10 16:03	<input type="checkbox"/>
35	L9DNCP5	G0K010418	0312269		5.0	11/21/10 16:07	<input type="checkbox"/>
36	L9DNCZ	G0K010418-1	0312269		1.0	11/21/10 16:10	<input type="checkbox"/>
37	L9DNK	G0K010418-2	0312269	2A	1.0	11/21/10 16:14	<input type="checkbox"/>
38	L9DNM	G0K010418-3	0312269	2A	1.0	11/21/10 16:17	<input type="checkbox"/>
39	L9DNN	G0K010418-4	0312269	2A	1.0	11/21/10 16:21	<input type="checkbox"/>
40	L9DNR	G0K010418-5	0312269	2A	1.0	11/21/10 16:24	<input type="checkbox"/>
41	L9DNT	G0K010418-6	0312269	2A	1.0	11/21/10 16:28	<input type="checkbox"/>
42	CCV 6				1.0	11/21/10 16:31	<input type="checkbox"/>
43	CCB 6				1.0	11/21/10 16:35	<input type="checkbox"/>
44	CCV 7				1.0	11/21/10 16:38	<input type="checkbox"/>
45	CCB 7				1.0	11/21/10 16:42	<input type="checkbox"/>
46	L9RFH	G0K090544-1	0319268	2A	1.0	11/21/10 16:45	<input type="checkbox"/>
47	L9RFHP5	G0K090544	0319268		5.0	11/21/10 16:49	<input type="checkbox"/>
48	L9RFHZ	G0K090544-1	0319268		1.0	11/21/10 16:52	<input type="checkbox"/>
49	L9RFJ	G0K090544-2	0319268	2A	1.0	11/21/10 16:56	<input type="checkbox"/>
50	L9RFK	G0K090544-3	0319268	2A	1.0	11/21/10 16:59	<input type="checkbox"/>

TAL West Sac

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)	Instrument: M02	Reported: 11/22/10 08:01:45
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File ID: 101121A2

Analyst: hargraves

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
51	L9RFL	G0K090544-4	0319268	2A	1.0	11/21/10 17:03	<input type="checkbox"/>
52	L9RFM	G0K090544-5	0319268	2A	1.0	11/21/10 17:06	<input type="checkbox"/>
53	L9RFN	G0K090544-6	0319268	2A	1.0	11/21/10 17:10	<input type="checkbox"/>
54	L9RFP	G0K090544-7	0319268	2A	1.0	11/21/10 17:13	<input type="checkbox"/>
55	CCV 8				1.0	11/21/10 17:17	<input type="checkbox"/>
56	CCB 8				1.0	11/21/10 17:20	<input type="checkbox"/>
57	CCV 9				1.0	11/21/10 17:24	<input type="checkbox"/>
58	CCB 9				1.0	11/21/10 17:28	<input type="checkbox"/>
59	L90TF	G0K120496-1	0322434	2A	1.0	11/21/10 17:31	<input type="checkbox"/>
60	L90TFP5	G0K120496	0322434		5.0	11/21/10 17:35	<input type="checkbox"/>
61	L90TFZ	G0K120496-1	0322434		1.0	11/21/10 17:38	<input type="checkbox"/>
62	L90TJ	G0K120496-2	0322434	2A	1.0	11/21/10 17:42	<input type="checkbox"/>
63	L90TK	G0K120496-3	0322434	2A	1.0	11/21/10 17:45	<input type="checkbox"/>
64	L90TL	G0K120496-4	0322434	2A	1.0	11/21/10 17:49	<input type="checkbox"/>
65	L90TM	G0K120496-5	0322434	2A	1.0	11/21/10 17:52	<input type="checkbox"/>
66	L90TN	G0K120496-6	0322434	2A	1.0	11/21/10 17:56	<input type="checkbox"/>
67	L90TP	G0K120496-7	0322434	2A	1.0	11/21/10 17:59	<input type="checkbox"/>
68	CCV 10				1.0	11/21/10 18:03	<input type="checkbox"/>
69	CCB 10				1.0	11/21/10 18:06	<input type="checkbox"/>
70	CCV 11				1.0	11/21/10 18:10	<input type="checkbox"/>
71	CCB 11				1.0	11/21/10 18:13	<input type="checkbox"/>
72	ICSA				1.0	11/21/10 18:17	<input type="checkbox"/>
73	ICSAB				1.0	11/21/10 18:20	<input type="checkbox"/>
74	CCV 12				1.0	11/21/10 18:28	<input type="checkbox"/>
75	CCB 12				1.0	11/21/10 18:31	<input type="checkbox"/>
76	CCV 13				1.0	11/21/10 18:35	<input type="checkbox"/>
77	CCB 13				1.0	11/21/10 18:38	<input type="checkbox"/>
78	L97JN	G0K170572-1	0322436	2A	1.0	11/21/10 18:42	<input type="checkbox"/>
79	L97JNP5	G0K170572	0322436		5.0	11/21/10 18:45	<input type="checkbox"/>
80	L97JNZ	G0K170572-1	0322436		1.0	11/21/10 18:49	<input type="checkbox"/>
81	L97JP	G0K170572-2	0322436	2A	1.0	11/21/10 18:52	<input type="checkbox"/>
82	L97JR	G0K170572-3	0322436	2A	1.0	11/21/10 18:56	<input type="checkbox"/>
83	L97JT	G0K170572-4	0322436	2A	1.0	11/21/10 18:59	<input type="checkbox"/>
84	CCV 14				1.0	11/21/10 19:03	<input type="checkbox"/>
85	CCB 14				1.0	11/21/10 19:06	<input type="checkbox"/>
86	CCV 15				1.0	11/21/10 19:10	<input type="checkbox"/>
87	CCB 15				1.0	11/21/10 19:13	<input type="checkbox"/>
88	CCV 16				1.0	11/21/10 19:15	<input type="checkbox"/>
89	CCB 16				1.0	11/21/10 19:18	<input type="checkbox"/>
90	L94MP	G0K160437-1	0322435	2A	1.0	11/21/10 19:21	<input type="checkbox"/>
91	L94MPP5	G0K160437	0322435		5.0	11/21/10 19:23	<input type="checkbox"/>
92	L94MPZ	G0K160437-1	0322435		1.0	11/21/10 19:26	<input type="checkbox"/>
93	L94M4	G0K160437-2	0322435	2A	1.0	11/21/10 19:28	<input type="checkbox"/>
94	L94M7	G0K160437-3	0322435	2A	1.0	11/21/10 19:31	<input type="checkbox"/>
95	L94M9	G0K160437-4	0322435	2A	1.0	11/21/10 19:33	<input type="checkbox"/>
96	CCV 17				1.0	11/21/10 19:36	<input type="checkbox"/>

TAL West Sac

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)	Instrument: M02	Reported: 11/22/10 08:01:45
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File ID: 101121A2

Analyst: hargraves

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
97	CCB 17				1.0 11/21/10 19:39		<input type="checkbox"/>
98	CCV 18				1.0 11/21/10 19:41		<input type="checkbox"/>
99	CCB 18				1.0 11/21/10 19:45		<input type="checkbox"/>
102	CCV 19				1.0 11/21/10 19:49		<input type="checkbox"/>
103	CCB 19				1.0 11/21/10 19:52		<input type="checkbox"/>
104	L9TFKB	G0K100000	0314283	EC	1.0 11/21/10 19:56		<input type="checkbox"/>
105	L9TFKC	G0K100000	0314283	EC	1.0 11/21/10 20:00		<input type="checkbox"/>
106	CCV 20				1.0 11/21/10 20:04		<input type="checkbox"/>
107	CCB 20				1.0 11/21/10 20:07		<input type="checkbox"/>
108	CCV 21				1.0 11/21/10 20:11		<input type="checkbox"/>
109	CCB 21				1.0 11/21/10 20:15		<input type="checkbox"/>
110	L9F0G	G0K020536-1	0314283	EC	1.0 11/21/10 20:18		<input type="checkbox"/>
111	L9F0GP5	G0K020536	0314283		5.0 11/21/10 20:22		<input type="checkbox"/>
112	L9F0GZ	G0K020536-1	0314283		1.0 11/21/10 20:26		<input type="checkbox"/>
113	CCV 22				1.0 11/21/10 20:29		<input type="checkbox"/>
114	CCB 22				1.0 11/21/10 20:33		<input type="checkbox"/>
117	CCV 23				1.0 11/21/10 20:37		<input type="checkbox"/>
118	CCB 23				1.0 11/21/10 20:41		<input type="checkbox"/>
119	L9F0G	G0K020536-1	0314283	EC	1.0 11/21/10 20:44		<input type="checkbox"/>
120	L9F0GP5	G0K020536	0314283		5.0 11/21/10 20:48		<input type="checkbox"/>
121	L9F0GZ	G0K020536-1	0314283		1.0 11/21/10 20:52		<input type="checkbox"/>
122	CCV 24				1.0 11/21/10 20:55		<input type="checkbox"/>
123	CCB 24				1.0 11/21/10 20:59		<input type="checkbox"/>

TAL West Sac

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001)

M02 (M02)

Reported: 11/22/10 08:01:45

File ID: 101121A2

Analyst: harcraves

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	Rinse 2X	11/21/10 13:53	96.5	95.3	95.4	95.6	<input type="checkbox"/>
2	Blank	11/21/10 13:58	100.0	100.0	100.0	100.0	<input checked="" type="checkbox"/>
3	Standard1	11/21/10 14:02	99.3	98.1	111.1	97.4	<input checked="" type="checkbox"/>
4	ICV	11/21/10 14:06	98.9	98.1	105.7	97.8	<input checked="" type="checkbox"/>
5	ICB	11/21/10 14:10	99.3	98.6	107.8	97.9	<input checked="" type="checkbox"/>
6	LLSTD1	11/21/10 14:16	99.6	98.9	108.9	99.2	<input checked="" type="checkbox"/>
7	LLSTD2	11/21/10 14:20	100.7	99.2	108.9	100.0	<input checked="" type="checkbox"/>
8	ICSA	11/21/10 14:30	87.1	80.3	104.9	85.5	<input checked="" type="checkbox"/>
9	ICSAB	11/21/10 14:34	90.6	82.7	109.9	89.4	<input checked="" type="checkbox"/>
10	Rinse	11/21/10 14:41	108.0	107.6	127.3	110.3	<input checked="" type="checkbox"/>
11	CCV 1	11/21/10 14:49	108.5	104.7	128.5	108.5	<input checked="" type="checkbox"/>
12	CCB 1	11/21/10 14:53	109.1	105.5	130.6	108.1	<input checked="" type="checkbox"/>
15	CCV 2	11/21/10 14:57	100.1	98.9	101.3	98.9	<input checked="" type="checkbox"/>
16	CCB 2	11/21/10 15:01	101.4	99.7	103.4	100.2	<input checked="" type="checkbox"/>
17	L9PGPB	11/21/10 15:06	101.7	103.4	93.6	104.3	<input checked="" type="checkbox"/>
18	L93G4B	11/21/10 15:10	100.7	102.1	93.0	101.1	<input checked="" type="checkbox"/>
19	L93HEC	11/21/10 15:14	97.4	99.8	96.5	97.2	<input checked="" type="checkbox"/>
20	L93GPL	11/21/10 15:18	95.5	97.7	96.4	93.9	<input checked="" type="checkbox"/>
21	L99FXB	11/21/10 15:22	96.0	98.7	98.5	94.4	<input checked="" type="checkbox"/>
22	L99F3C	11/21/10 15:26	96.0	97.7	100.2	92.5	<input checked="" type="checkbox"/>
23	L99F1L	11/21/10 15:30	95.1	96.6	101.4	91.3	<input checked="" type="checkbox"/>
24	CCV 3	11/21/10 15:34	97.3	95.5	108.6	89.7	<input checked="" type="checkbox"/>
25	CCB 3	11/21/10 15:38	100.7	97.7	108.6	92.4	<input checked="" type="checkbox"/>
26	CCV 4	11/21/10 15:42	99.0	97.0		91.6	<input checked="" type="checkbox"/>
27	CCB 4	11/21/10 15:46	101.0	98.9		93.0	<input checked="" type="checkbox"/>
30	CCV 5	11/21/10 15:49	98.6	98.1		98.4	<input checked="" type="checkbox"/>
31	CCB 5	11/21/10 15:53	100.3	99.7		99.1	<input checked="" type="checkbox"/>
32	L9PGPC	11/21/10 15:56	96.1	98.7		97.2	<input checked="" type="checkbox"/>
33	L9PGPL	11/21/10 16:00	92.4	95.4		91.9	<input checked="" type="checkbox"/>
34	L9DNC	11/21/10 16:03	92.8	95.5		91.7	<input checked="" type="checkbox"/>
35	L9DNCP5	11/21/10 16:07	94.3	94.7		91.0	<input type="checkbox"/>
36	L9DNCZ	11/21/10 16:10	91.6	93.7		89.8	<input checked="" type="checkbox"/>
37	L9DNK	11/21/10 16:14	91.7	93.6		88.6	<input checked="" type="checkbox"/>
38	L9DNM	11/21/10 16:17	93.7	95.0		90.9	<input checked="" type="checkbox"/>
39	L9DNN	11/21/10 16:21	94.5	95.5		91.3	<input checked="" type="checkbox"/>
40	L9DNR	11/21/10 16:24	94.7	95.9		91.6	<input checked="" type="checkbox"/>
41	L9DNT	11/21/10 16:28	96.3	95.7		92.7	<input checked="" type="checkbox"/>
42	CCV 6	11/21/10 16:31	97.2	95.2		91.3	<input checked="" type="checkbox"/>
43	CCB 6	11/21/10 16:35	99.0	97.4		93.3	<input checked="" type="checkbox"/>
44	CCV 7	11/21/10 16:38	96.9	95.9		91.9	<input checked="" type="checkbox"/>
45	CCB 7	11/21/10 16:42	98.1	96.1		92.7	<input checked="" type="checkbox"/>
46	L9RFH	11/21/10 16:45	98.5	98.5		94.3	<input checked="" type="checkbox"/>
47	L9RFHP5	11/21/10 16:49	99.3	97.6		93.7	<input type="checkbox"/>
48	L9RFHZ	11/21/10 16:52	94.4	95.1		90.4	<input checked="" type="checkbox"/>
49	L9RFJ	11/21/10 16:56	92.5	94.1		88.3	<input checked="" type="checkbox"/>
50	L9RFK	11/21/10 16:59	93.9	94.0		88.3	<input checked="" type="checkbox"/>

TAL West Sac

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M02 (M02) Reported: 11/22/10 08:01:45

File ID: 101121A2

Analyst: hararaves

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
51	L9RFL	11/21/10 17:03	94.1	95.0		88.9	<input checked="" type="checkbox"/>
52	L9RFM	11/21/10 17:06	95.7	96.7		90.6	<input checked="" type="checkbox"/>
53	L9RFN	11/21/10 17:10	96.7	96.6		91.3	<input checked="" type="checkbox"/>
54	L9RFP	11/21/10 17:13	98.2	98.0		92.9	<input checked="" type="checkbox"/>
55	CCV 8	11/21/10 17:17	96.9	95.0		90.3	<input checked="" type="checkbox"/>
56	CCB 8	11/21/10 17:20	98.4	95.9		90.3	<input checked="" type="checkbox"/>
57	CCV 9	11/21/10 17:24	97.1	95.8		90.7	<input checked="" type="checkbox"/>
58	CCB 9	11/21/10 17:28	98.7	96.8		91.7	<input checked="" type="checkbox"/>
59	L90TF	11/21/10 17:31	99.0	99.3		94.5	<input checked="" type="checkbox"/>
60	L90TFP5	11/21/10 17:35	98.0	97.0		91.7	<input type="checkbox"/>
61	L90TFZ	11/21/10 17:38	93.7	94.1		87.7	<input checked="" type="checkbox"/>
62	L90TJ	11/21/10 17:42	92.0	93.3		85.8	<input checked="" type="checkbox"/>
63	L90TK	11/21/10 17:45	93.2	93.9		86.7	<input checked="" type="checkbox"/>
64	L90TL	11/21/10 17:49	93.2	93.7		86.6	<input checked="" type="checkbox"/>
65	L90TM	11/21/10 17:52	94.7	95.7		88.3	<input checked="" type="checkbox"/>
66	L90TN	11/21/10 17:56	95.7	96.1		89.4	<input checked="" type="checkbox"/>
67	L90TP	11/21/10 17:59	96.4	97.2		90.5	<input checked="" type="checkbox"/>
68	CCV 10	11/21/10 18:03	97.6	95.4		89.6	<input checked="" type="checkbox"/>
69	CCB 10	11/21/10 18:06	98.5	96.2		90.0	<input checked="" type="checkbox"/>
70	CCV 11	11/21/10 18:10	97.3	95.5		89.4	<input checked="" type="checkbox"/>
71	CCB 11	11/21/10 18:13	99.1	96.9		90.0	<input checked="" type="checkbox"/>
72	ICSA	11/21/10 18:17	85.6	80.0		85.3	<input checked="" type="checkbox"/>
73	ICSAB	11/21/10 18:20	85.3	80.8		89.1	<input type="checkbox"/>
74	CCV 12	11/21/10 18:28	99.8	98.5		96.5	<input checked="" type="checkbox"/>
75	CCB 12	11/21/10 18:31	100.6	98.9		95.2	<input checked="" type="checkbox"/>
76	CCV 13	11/21/10 18:35	100.3	98.0		93.2	<input checked="" type="checkbox"/>
77	CCB 13	11/21/10 18:38	102.3	99.2		93.7	<input checked="" type="checkbox"/>
78	L97JN	11/21/10 18:42	101.7	101.0		95.3	<input checked="" type="checkbox"/>
79	L97JNP5	11/21/10 18:45	102.4	98.8		93.5	<input type="checkbox"/>
80	L97JNZ	11/21/10 18:49	96.1	95.2		87.9	<input checked="" type="checkbox"/>
81	L97JP	11/21/10 18:52	94.0	93.8		84.6	<input checked="" type="checkbox"/>
82	L97JR	11/21/10 18:56	92.4	91.5		83.4	<input checked="" type="checkbox"/>
83	L97JT	11/21/10 18:59	95.6	94.9		86.2	<input checked="" type="checkbox"/>
84	CCV 14	11/21/10 19:03	97.3	94.3		87.1	<input checked="" type="checkbox"/>
85	CCB 14	11/21/10 19:06	99.4	95.7		88.0	<input checked="" type="checkbox"/>
86	CCV 15	11/21/10 19:10	102.5				<input checked="" type="checkbox"/>
87	CCB 15	11/21/10 19:13	104.5				<input checked="" type="checkbox"/>
88	CCV 16	11/21/10 19:15	103.0				<input checked="" type="checkbox"/>
89	CCB 16	11/21/10 19:18	106.4				<input checked="" type="checkbox"/>
90	L94MP	11/21/10 19:21	103.9				<input checked="" type="checkbox"/>
91	L94MPP5	11/21/10 19:23	108.5				<input type="checkbox"/>
92	L94MPZ	11/21/10 19:26	104.8				<input checked="" type="checkbox"/>
93	L94M4	11/21/10 19:28	98.1				<input checked="" type="checkbox"/>
94	L94M7	11/21/10 19:31	103.1				<input checked="" type="checkbox"/>
95	L94M9	11/21/10 19:33	104.5				<input checked="" type="checkbox"/>
96	CCV 17	11/21/10 19:36	101.6				<input checked="" type="checkbox"/>

TAL West Sac

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M02 (M02) Reported: 11/22/10 08:01:45

File ID: 101121A2

Analyst: harcraves

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
97	CCB 17	11/21/10 19:39	103.3				<input checked="" type="checkbox"/>
98	CCV 18	11/21/10 19:41	97.2	93.5	103.9	85.4	<input checked="" type="checkbox"/>
99	CCB 18	11/21/10 19:45	99.2	94.9	103.9	87.1	<input checked="" type="checkbox"/>
102	CCV 19	11/21/10 19:49	97.8	98.7	99.9	98.2	<input checked="" type="checkbox"/>
103	CCB 19	11/21/10 19:52	100.5	101.0	100.9	100.4	<input checked="" type="checkbox"/>
104	L9TFKB	11/21/10 19:58	100.3	102.0	102.4	100.9	<input checked="" type="checkbox"/>
105	L9TFKC	11/21/10 20:00	96.3	99.5	101.6	99.3	<input checked="" type="checkbox"/>
106	CCV 20	11/21/10 20:04	95.1	96.6	101.6	95.5	<input checked="" type="checkbox"/>
107	CCB 20	11/21/10 20:07	95.6	97.1	100.1	95.3	<input checked="" type="checkbox"/>
108	CCV 21	11/21/10 20:11	96.6	98.5	101.6	98.2	<input checked="" type="checkbox"/>
109	CCB 21	11/21/10 20:15	95.5	97.2	100.1	95.9	<input checked="" type="checkbox"/>
110	L9F0G	11/21/10 20:18	81.4	84.1	99.3	91.2	<input checked="" type="checkbox"/>
111	L9F0GP5	11/21/10 20:22	84.4	95.0	97.3	103.7	<input type="checkbox"/>
112	L9F0GZ	11/21/10 20:26	78.3	86.7	91.7	99.8	<input checked="" type="checkbox"/>
113	CCV 22	11/21/10 20:29	86.0	100.7	82.6	122.6	<input checked="" type="checkbox"/>
114	CCB 22	11/21/10 20:33	86.5	101.9	80.7	123.3	<input checked="" type="checkbox"/>
117	CCV 23	11/21/10 20:37	99.0	98.5	100.2	100.0	<input checked="" type="checkbox"/>
118	CCB 23	11/21/10 20:41	99.5	99.7	97.7	100.5	<input checked="" type="checkbox"/>
119	L9F0G	11/21/10 20:44	91.9	88.4	109.6	87.2	<input checked="" type="checkbox"/>
120	L9F0GP5	11/21/10 20:48	94.9	95.3	95.0	95.2	<input type="checkbox"/>
121	L9F0GZ	11/21/10 20:52	86.7	84.3	98.8	84.5	<input checked="" type="checkbox"/>
122	CCV 24	11/21/10 20:55	94.4	95.4	82.4	99.5	<input checked="" type="checkbox"/>
123	CCB 24	11/21/10 20:59	93.4	95.6	76.9	99.3	<input checked="" type="checkbox"/>

TAL-W.Sacramento Elan 6000 ICPMS M02

Quantitative Method Report

File Name: 0322434.mth
 File Path: E:\elandata\Method\0322434.mth

Timing Parameters

Sweeps/Reading: 50
 Readings/Replicate: 1
 Number of Replicates: 3
 Tuning File: e:\elandata\Tuning\default.tun
 Optimization File: e:\elandata\Optimize\default.dac
 QC Enabled: Yes
 Settling Time: Normal

Analyte	Mass	Scan Mode	MCA Channels	Dwell Time	Integration Time
Sc	44.956	Peak Hopping	1	14.0 ms	700 ms
Li-1	6.015	Peak Hopping	1	14.0 ms	700 ms
Be	9.012	Peak Hopping	1	14.0 ms	700 ms
Al	26.982	Peak Hopping	1	14.0 ms	700 ms
Ca	43.956	Peak Hopping	1	14.0 ms	700 ms
Cr	51.941	Peak Hopping	1	14.0 ms	700 ms
Mn	54.938	Peak Hopping	1	14.0 ms	700 ms
Fe	53.940	Peak Hopping	1	14.0 ms	700 ms
Fe	56.935	Peak Hopping	1	14.0 ms	700 ms
Co	58.933	Peak Hopping	1	14.0 ms	700 ms
Ni	59.933	Peak Hopping	1	14.0 ms	700 ms
Cu	64.928	Peak Hopping	1	14.0 ms	700 ms
As	74.922	Peak Hopping	1	20.0 ms	1000 ms
Se	81.917	Peak Hopping	1	20.0 ms	1000 ms
Mo	96.906	Peak Hopping	1	14.0 ms	700 ms
Ge-1	71.922	Peak Hopping	1	14.0 ms	700 ms
Ag	106.905	Peak Hopping	1	14.0 ms	700 ms
Cd	110.904	Peak Hopping	1	14.0 ms	700 ms
Sb	120.904	Peak Hopping	1	14.0 ms	700 ms
Ba	134.906	Peak Hopping	1	14.0 ms	700 ms
In-1	114.904	Peak Hopping	1	14.0 ms	700 ms
Pb	207.977	Peak Hopping	1	14.0 ms	700 ms
Tm-1	168.934	Peak Hopping	1	14.0 ms	700 ms
Cr	49.946	Peak Hopping	1	5.0 ms	250 ms
Cr	52.941	Peak Hopping	1	5.0 ms	250 ms
Ni	60.931	Peak Hopping	1	5.0 ms	250 ms
Cu	62.930	Peak Hopping	1	5.0 ms	250 ms
Se	75.919	Peak Hopping	1	5.0 ms	250 ms
Se	76.920	Peak Hopping	1	20.0 ms	1000 ms
Se	77.917	Peak Hopping	1	20.0 ms	1000 ms
Br	78.918	Peak Hopping	1	20.0 ms	1000 ms
Ge	71.922	Peak Hopping	1	14.0 ms	700 ms
Cd	107.904	Peak Hopping	1	5.0 ms	250 ms
Cd	113.904	Peak Hopping	1	14.0 ms	700 ms
Ag	108.905	Peak Hopping	1	5.0 ms	250 ms
In	114.904	Peak Hopping	1	14.0 ms	700 ms
207.977	207.977	Peak Hopping	1	14.0 ms	700 ms

Report Date/Time: Monday, November 22, 2010 07:14:52

TAL-W.Sacramento Elan 6000 ICPMS M02

Pb	206.976	Peak Hopping	1	14.0 ms	700 ms
Pb	205.975	Peak Hopping	1	14.0 ms	700 ms
Tm	168.934	Peak Hopping	1	14.0 ms	700 ms

Signal Processing

Detector Mode: Dual
 Measurement Units: Counts
 AutoLens: On
 Spectral Peak Processing: Average
 Signal Profile Processing: Average
 Blank Subtraction: After Internal Standard
 Baseline Readings: 0
 Smoothing: Yes, Factor 5

Equations

Analyte	Mass	Corrections
Fe	53.940	- 0.028226 * Cr 52
Fe	56.935	-0.074 * Ca 43
Ni	59.933	-0.005 * Ca 43
Cu	64.928	-0.0078 * Ti 49
As	74.922	-3.1278 * Se 77 + 1.0177 * Se 78
Se	81.917	- 0.00205 * Br 79
Cd	110.904	-1.073 * Pd 108 + 0.712 * Pd 106
In-1	114.904	- 0.014032 * Sn 118
Pb	207.977	+ 1.0 * Pb 207 + 1.0 * Pb 206
Cr	49.946	- 0.739726 * Ti 47 - 0.002506 * V 51
Se	75.919	- 0.268980 * Ge 72
Se	77.917	- 0.030435 * Kr 83
Cd	107.904	- 1.184953 * Pd 105
Cd	113.904	- 0.026826 * Sn 118
In	114.904	- 0.014032 * Sn 118

Calibration Information

Analyte	Mass	Curve Type	Sample Units	Std Units	Std 1	Std 2	Std 3	Std 4
Sc	44.956	Linear Thru Zero	ug/L	ug/L				
Li-1	6.015	Linear Thru Zero	ug/L	ug/L				
Be	9.012	Linear Thru Zero	ug/L	ug/L	100			
Al	26.982	Linear Thru Zero	ug/L	ug/L	5.1e+003			
Ca	43.956	Linear Thru Zero	ug/L	ug/L	5.1e+003			
Cr	51.941	Linear Thru Zero	ug/L	ug/L	100			
Mn	54.938	Linear Thru Zero	ug/L	ug/L	100			
Fe	53.940	Linear Thru Zero	ug/L	ug/L	5.1e+003			
Fe	56.935	Linear Thru Zero	ug/L	ug/L	5.1e+003			
Co	58.933	Linear Thru Zero	ug/L	ug/L	100			
Ni	59.933	Linear Thru Zero	ug/L	ug/L	100			
Cu	64.928	Linear Thru Zero	ug/L	ug/L	100			
As	74.922	Linear Thru Zero	ug/L	ug/L	100			
Se	81.917	Linear Thru Zero	ug/L	ug/L	100			
Mo	96.906	Linear Thru Zero	ug/L	ug/L	200			
Ge-1	71.922	Linear Thru Zero	ug/L	ug/L				
Ag	106.905	Linear Thru Zero	ug/L	ug/L	50			
Cd	110.904	Linear Thru Zero	ug/L	ug/L	100			

TAL-W.Sacramento Elan 6000 ICPMS M02

Sb	120.904	Linear Thru Zero	ug/L	ug/L	50
Ba	134.906	Linear Thru Zero	ug/L	ug/L	100
In-1	114.904	Linear Thru Zero	ug/L	ug/L	
Pb	207.977	Linear Thru Zero	ug/L	ug/L	100
Tm-1	168.934	Linear Thru Zero	ug/L	ug/L	
Cr	49.946	Linear Thru Zero	ug/L	ug/L	100
Cr	52.941	Linear Thru Zero	ug/L	ug/L	100
Ni	60.931	Linear Thru Zero	ug/L	ug/L	100
Cu	62.930	Linear Thru Zero	ug/L	ug/L	100
Se	75.919	Linear Thru Zero	ug/L	ug/L	100
Se	76.920	Linear Thru Zero	ug/L	ug/L	100
Se	77.917	Linear Thru Zero	ug/L	ug/L	100
Br	78.918	Linear Thru Zero	ug/L	ug/L	100
Ge	71.922	Linear Thru Zero	ug/L	ug/L	
Cd	107.904	Linear Thru Zero	ug/L	ug/L	100
Cd	113.904	Linear Thru Zero	ug/L	ug/L	100
Ag	108.905	Linear Thru Zero	ug/L	ug/L	50
In	114.904	Linear Thru Zero	ug/L	ug/L	
207.97	207.977	Linear Thru Zero	ug/L	ug/L	100
Pb	206.976	Linear Thru Zero	ug/L	ug/L	100
Pb	205.975	Linear Thru Zero	ug/L	ug/L	100
Tm	168.934	Linear Thru Zero	ug/L	ug/L	

TAL-W. SACRAMENTO – Perkin Elmer Elan 6000 ICPMS, M02 – Methods 6020, 200.8

AIR TOX Standards - 4 % HNO₃, 0.5 % HCl

Standards for run:

Tuning standard: 4075-18E

Internal standard: 4075-22C

Blank, CCBs: 3185-41C

Standard 1, CCVs: 4075-21E

ICV: 4075-20D

ICSA: 4075-24A

ICSAB: 4075-24B

File Number: 101121A2

Instrument Tuning Report

File Name: default.tun

Sample Information

Sample Date/Time: Sunday, November 21, 2010 13:21:36

Sample ID: TUNE SHARGRAVE

Analyte	Exact Mass	Meas. Mass	Mass DAC	Meas. Pk. Width	Res. DAC	Custom Res.
Li	7.016	7.077	1575	0.711	2039	
Be	9.012	8.928	2067	0.702	2027	
Mg	23.985	24.028	5720	0.708	2007	
Co	58.933	58.929	14263	0.718	1956	
In	114.904	114.829	27905	0.725	1937	
Ce	139.905	139.929	33974	0.709	1989	
Tl	204.975	204.979	49691	0.703	2197	
Pb	207.977	207.979	50425	0.715	2210	
U	238.050	238.026	57626	0.719	2367	

Elan 6000 Instrument Optomization Report

Path e:\elandata\Optimize

File Name e:\elandata\Optimize\default.dac

Sample Information

Sample Date/Time: Sunday, November 21, 2010 13:21:36

Sample ID: TUNE SHARGRAVE

Parameter Settings

Nebulizer Gas Flow	0.92
Lens Voltage	9.00
ICP RF Power	1100.00
Analog Stage Voltage	-2000.00
Pulse Stage Voltage	1350.00
Discriminator Threshold	70.00
AC Rod Offset	-7.00
Service DAC 1	60.00
Quadrupole Rod Offset	0.00

AutoLens Calibration

Date: 13:24:09 Sun 21-Nov-10
 Sample Filename: AUTOLENS SHARGRAVE.002
 Dataset Pathname: 101121a2\

 Lens Voltage Start: 5.50
 Lens Voltage End: 10.00
 Lens Voltage Step: 0.25
 Slope: 0.02358333
 Intercept: 6.81258797

Analyte	Mass	Optimum Voltage	Maximum Intensity	# Points
Be	9.012	7.0	4907.3	19
Co	58.933	8.3	136196.1	19
In	114.904	9.5	354853.6	19

Dual Detector Calibration

Date: 13:20:53 Wed 03-Nov-10
 Sample Filename: DUAL BJONES.1091
 Dataset Pathname: e:\elandata\Dataset\dual detector calibration\

 Points Acquired: 37
 Lens Vol Start: -3.00
 Lens Vol End: 15.00
 Lens Vol Step: 0.50

Analyte	Mass	Gain	N(max)
Li	6.016	10928.88	1145552584.620
Li	7.016	9978.05	1254714144.069
Be	9.012	9340.39	1340372612.603
B	11.008	9668.52	1294883747.870

Report Date/Time: Sunday, November 21, 2010 13:32:15

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TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS, M02 - Methods 6020, 200.8

Na	22.991	9855.04	1270376195.382
Mg	23.987	9231.21	1356225523.516
Mg	24.985	8823.23	1418937010.419
Al	26.982	8613.23	1453532645.421
Si	27.976	8332.42	1502516908.984
P	30.995	7826.16	1599713267.162
K	38.965	7640.17	1638656083.737
Ca	42.958	7321.08	1710076220.423
Ca	43.956	7642.29	1638201615.183
Sc	44.954	7632.75	1640249098.474
V	50.944	7461.63	1677863973.938
Cr	51.942	7201.26	1738531113.763
Fe	53.938	7047.98	1776340070.470
Mn	54.937	7071.39	1770458989.922
Fe	56.933	6759.64	1852112099.464
Co	58.935	6831.11	1832733384.653
Ni	59.935	6636.67	1886428605.242
Cu	62.932	6509.07	1923408754.449
Cu	64.929	6301.83	1986662884.963
Zn	67.926	6447.72	1941710015.000
Ge	71.923	6563.36	1907498254.206
As	74.924	6364.04	1967242232.774
Se	77.917	6647.02	1883490542.949
Br	78.917		
Se	81.918	6360.91	1968210783.080
Sr	87.904		
Mo	96.907	6537.35	1915087413.455
Ag	106.903	5915.05	2116568240.642
Ag	108.904	5822.25	2150302205.476
Cd	110.904	5986.51	2091302989.660
Cd	113.906	6065.88	2063938411.277
In	114.904	6105.20	2050646561.592
Sn	117.902	6067.89	2063255585.168
Sb	120.904	6082.14	2058421773.677
Ba	134.908	5857.14	2137493313.789
Ho	164.928		
Tm	168.934	5790.80	2161982364.684
Tl	204.977	5482.39	2283604817.619
Pb	207.976	5460.99	2292553567.224
U	238.049	5445.30	2299157944.360

Daily Performance Report

Sample ID: DAILY SHARGRAVE
 Sample Date/Time: Sunday, November 21, 2010 13:32:26
 Sample Description:
 Sample File: e:\elandata\Sample\0319271X.sam
 Method File: E:\elandata\Method\000daily.mth
 Dataset File: E:\elandata\Dataset\101121a2\DAILY SHARGRAVE.003
 Tuning File: e:\elandata\Tuning\default.tun
 Optimization File: e:\elandata\Optimize\default.dac
 Number of Replicates: 5
 Dual Detector Mode: Dual

Summary

Analyte	MassNet	Intens.	Mean	Net Intens.	RSD
Mg	24		46442.903		0.415
Rh	103		245890.354		0.816
Pb	208		196686.091		0.356
[> Ba	138		285713.789		0.734
[Ba++	69		0.018		2.040
[> Ce	140		371207.257		0.555
[CeO	156		0.024		6.398
Bkgd	220		1.714		91.287
Li	7		13181.836		0.357
Be	9		4338.464		2.070
Co	59		116072.897		0.524
In	115		339054.556		0.711
Tl	205		280624.992		0.619

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: Rinse 2X

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 13:53:56

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\Rinse 2X.004

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 6

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			938077.368	ug/L	0.000
> 6 Li-1			643491.192	ug/L	0.000
| 9 Be			1.667	ug/L	0.000
| 27 Al			236640.567	ug/L	0.000
| 44 Ca			8160.897	ug/L	0.000
| 52 Cr			11783.902	ug/L	0.000
| 55 Mn			5600.892	ug/L	0.000
| 54 Fe			71295.789	ug/L	0.000
| 57 Fe			7901.120	ug/L	0.000
| 59 Co			95.334	ug/L	0.000
| 60 Ni			793.852	ug/L	0.000
| 65 Cu			300.037	ug/L	0.000
| 75 As			13516.166	ug/L	0.000
| 82 Se			960.562	ug/L	0.000
| 97 Mo			44.333	ug/L	0.000
> 72 Ge-1			979476.395	ug/L	0.000
| 107 Ag			40.000	ug/L	0.000
| 111 Cd			68.414	ug/L	0.000
| 121 Sb			488.686	ug/L	0.000
| 135 Ba			84.667	ug/L	0.000
> 115 In-1			1077841.018	ug/L	0.000
| 208 Pb			737.684	ug/L	0.000
> 169 Tm-1			940044.342	ug/L	0.000
| 50 Cr			-54.092	ug/L	0.000
| 53 Cr			12518.723	ug/L	0.000
| 61 Ni			943.529	ug/L	0.000
| 63 Cu			206.677	ug/L	0.000
| 76 Se			-129027.038	ug/L	0.000
| 77 Se			5338.567	ug/L	0.000
| 78 Se			14571.197	ug/L	0.000
| 79 Br			95209.106	ug/L	0.000
> 72 Ge			979476.395	ug/L	0.000
| 108 Cd			8.989	ug/L	0.000
114 Cd			171.445	ug/L	0.000
109 Ag			14.333	ug/L	0.000

Report Date/Time: Sunday, November 21, 2010 13:55:48

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Sample ID: Rinse 2X

>	115 In	1077841.018	ug/L	0.000
[208 207.977	383.679	ug/L	0.000
	207 Pb	157.002	ug/L	0.000
|	206 Pb	197.003	ug/L	0.000
>	169 Tm	940044.342	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	
[Be	9	
[Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	
[Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	
[Pb	208	
> Tm-1	169	
[Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	
[Cd	108	
| Cd	114	
| Ag	109	
> In	115	
[207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: Blank

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 13:58:17

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\Blank.005

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			975119.936	ug/L	
> 6 Li-1			674312.754	ug/L	
| 9 Be			4.667	ug/L	
| 27 Al			61494.391	ug/L	
| 44 Ca			7827.812	ug/L	
| 52 Cr			12492.923	ug/L	
| 55 Mn			2515.164	ug/L	
| 54 Fe			71575.950	ug/L	
| 57 Fe			7885.234	ug/L	
| 59 Co			134.668	ug/L	
| 60 Ni			333.130	ug/L	
| 65 Cu			113.236	ug/L	
| 75 As			13228.025	ug/L	
| 82 Se			954.303	ug/L	
| 97 Mo			53.667	ug/L	
> 72 Ge-1			1015196.027	ug/L	
| 107 Ag			58.334	ug/L	
| 111 Cd			53.232	ug/L	
| 121 Sb			283.673	ug/L	
| 135 Ba			78.667	ug/L	
> 115 In-1			1130459.784	ug/L	
| 208 Pb			586.677	ug/L	
> 169 Tm-1			983155.379	ug/L	
| 50 Cr			-76.253	ug/L	
| 53 Cr			14440.739	ug/L	
| 61 Ni			972.876	ug/L	
| 63 Cu			88.668	ug/L	
| 76 Se			-133614.027	ug/L	
| 77 Se			5765.162	ug/L	
| 78 Se			14590.878	ug/L	
| 79 Br			86878.509	ug/L	
> 72 Ge			1015196.027	ug/L	
| 108 Cd			9.384	ug/L	
114 Cd			160.939	ug/L	
109 Ag			24.667	ug/L	

Report Date/Time: Sunday, November 21, 2010 14:00:09

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Sample ID: Blank

[>	115 In	1130459.784	ug/L
	208 207.977	297.674	ug/L
	207 Pb	124.335	ug/L
|	206 Pb	164.669	ug/L
[>	169 Tm	983155.379	ug/L

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
[> Li-1	6	
| Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
[> Ge-1	72	
| Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
[> In-1	115	
| Pb	208	
[> Tm-1	169	
| Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
[> Ge	72	
| Cd	108	
| Cd	114	
| Ag	109	
[> In	115	
| 207.977	208	
| Pb	207	
| Pb	206	
[> Tm	169	

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: Standard 1

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 14:02:32

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\Standard 1.006

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			989130.456	ug/L	975119.936
> 6 Li-1			748995.825	ug/L	674312.754
[9 Be	100.000000	1.319	31804.626	ug/L	4.667
[27 Al	5100.000000	1.138	22143533.450	ug/L	61494.391
[44 Ca	5100.000000	0.496	1009616.690	ug/L	7827.812
[52 Cr	100.000000	1.081	713480.844	ug/L	12492.923
[55 Mn	100.000000	1.415	1124560.798	ug/L	2515.164
[54 Fe	5100.000000	1.192	2879887.897	ug/L	71575.950
[57 Fe	5100.000000	0.950	1186654.150	ug/L	7885.234
[59 Co	100.000000	1.071	888968.353	ug/L	134.668
[60 Ni	100.000000	1.102	185927.199	ug/L	333.130
[65 Cu	100.000000	1.354	190403.982	ug/L	113.236
[75 As	100.000000	1.397	181859.650	ug/L	13228.025
[82 Se	100.000000	0.385	17518.366	ug/L	954.303
[97 Mo	200.000000	0.944	313492.969	ug/L	53.667
> [72 Ge-1			1008090.984	ug/L	1015196.027
[107 Ag	50.000000	2.326	390413.102	ug/L	58.334
[111 Cd	100.000000	2.044	168899.433	ug/L	53.232
[121 Sb	50.000000	0.429	279733.130	ug/L	283.673
[135 Ba	100.000000	1.542	178535.840	ug/L	78.667
> [115 In-1			1108438.225	ug/L	1130459.784
[208 Pb	100.000000	1.569	2497943.253	ug/L	586.677
> [169 Tm-1			957398.403	ug/L	983155.379
[50 Cr	100.000000	0.921	17146.766	ug/L	-76.253
[53 Cr	100.000000	2.620	45752.639	ug/L	14440.739
[61 Ni	100.000000	1.191	4018.550	ug/L	972.876
[63 Cu	100.000000	0.956	142853.794	ug/L	88.668
[76 Se	100.000000	19.912	-129562.364	ug/L	-133614.027
[77 Se	100.000000	3.101	19365.607	ug/L	5765.162
[78 Se	100.000000	2.102	56138.386	ug/L	14590.878
[79 Br	100.000000	974.413	86100.163	ug/L	86878.509
> [72 Ge			1008090.984	ug/L	1015196.027
[108 Cd	100.000000	1.331	11462.712	ug/L	9.384
[114 Cd	100.000000	1.815	408662.240	ug/L	160.939
[109 Ag	50.000000	1.648	135330.735	ug/L	24.667

>	115 In			1108438.225	ug/L	1130459.784	
|	208	207.977	100.000000	1.463	1290742.413	ug/L	297.674
|	207 Pb		100.000000	1.454	524508.023	ug/L	124.335
|	206 Pb		100.000000	1.920	682692.816	ug/L	164.669
>	169 Tm			957398.403	ug/L	983155.379	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	
| Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	
| Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	
| Pb	208	
> Tm-1	169	
| Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	
| Cd	108	
| Cd	114	
| Ag	109	
> In	115	
| 207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: ICV

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 14:06:32

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\ICV .007

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 3

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

	Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45 Sc			988541.732	ug/L	975119.936
>	6 Li-1			712840.786	ug/L	674312.754
|	9 Be	81.442688	0.851	24653.670	ug/L	4.667
|	27 Al	827.609454	0.939	3630940.696	ug/L	61494.391
|	44 Ca	838.152630	0.704	171781.170	ug/L	7827.812
|	52 Cr	80.642573	1.138	575657.118	ug/L	12492.923
|	55 Mn	81.163158	1.027	909848.221	ug/L	2515.164
|	54 Fe	825.839483	0.524	523995.750	ug/L	71575.950
|	57 Fe	815.489934	0.573	195606.471	ug/L	7885.234
|	59 Co	80.963798	0.567	717157.465	ug/L	134.668
|	60 Ni	81.106188	0.588	150315.831	ug/L	333.130
|	65 Cu	81.075916	0.902	153831.114	ug/L	113.236
|	75 As	81.449382	0.656	150015.787	ug/L	13228.025
|	82 Se	82.776970	1.503	14609.234	ug/L	954.303
|	97 Mo	79.497026	0.826	124183.382	ug/L	53.667
>	72 Ge-1			1004434.063	ug/L	1015196.027
|	107 Ag	40.342612	0.360	315243.638	ug/L	58.334
|	111 Cd	81.960525	0.730	138535.059	ug/L	53.232
|	121 Sb	39.685434	2.365	222154.593	ug/L	283.673
|	135 Ba	79.748004	0.347	142489.829	ug/L	78.667
>	115 In-1			1109089.091	ug/L	1130459.784
|	208 Pb	80.313609	0.679	2015963.333	ug/L	586.677
>	169 Tm-1			961880.171	ug/L	983155.379
|	50 Cr	69.775885	1.327	11896.723	ug/L	-76.253
|	53 Cr	74.657336	1.253	37661.271	ug/L	14440.739
|	61 Ni	78.826595	5.248	3360.486	ug/L	972.876
|	63 Cu	80.732460	0.162	114932.533	ug/L	88.668
|	76 Se	85.739633	20.843	-129537.478	ug/L	-133614.027
|	77 Se	71.518533	1.692	15427.084	ug/L	5765.162
|	78 Se	81.230526	1.029	48146.572	ug/L	14590.878
|	79 Br	25338.366846	0.450	45355.225	ug/L	86878.509
>	72 Ge			1004434.063	ug/L	1015196.027
|	108 Cd	80.511497	1.352	9236.003	ug/L	9.384
	114 Cd	81.277822	0.803	332400.768	ug/L	160.939
	109 Ag	40.644685	0.253	110091.904	ug/L	24.667

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Sample ID: ICV

>	115 In			1109089.091	ug/L	1130459.784
	208 207.977	82.066359	0.971	1064405.822	ug/L	297.674
|	207 Pb	84.313973	0.135	444379.568	ug/L	124.335
|	206 Pb	73.926724	0.755	507177.943	ug/L	164.669
>	169 Tm			961880.171	ug/L	983155.379

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	105.714
| Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	98.940
| Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	98.110
| Pb	208	
> Tm-1	169	97.836
| Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	98.940
| Cd	108	
| Cd	114	
| Ag	109	
> In	115	98.110
| 207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	97.836

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: ICB

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 14:10:36

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\ICB.008

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			997966.113	ug/L	975119.936
> 6 Li-1			727227.159	ug/L	674312.754
[9 Be	-0.004416	112.742	3.667	ug/L	4.667
[27 Al	1.137973	17.876	66017.348	ug/L	61494.391
[44 Ca	4.389552	16.193	8639.195	ug/L	7827.812
[52 Cr	0.265586	10.200	14273.658	ug/L	12492.923
[55 Mn	0.003689	46.023	2540.174	ug/L	2515.164
[54 Fe	3.081213	31.186	72802.774	ug/L	71575.950
[57 Fe	0.219715	185.570	7884.134	ug/L	7885.234
[59 Co	0.005573	18.959	183.336	ug/L	134.668
[60 Ni	-0.020190	63.984	293.360	ug/L	333.130
[65 Cu	0.014410	56.481	139.925	ug/L	113.236
[75 As	0.164530	115.982	13418.546	ug/L	13228.025
[82 Se	0.301099	60.904	997.843	ug/L	954.303
[97 Mo	0.124954	17.707	249.338	ug/L	53.667
> 72 Ge-1			1008546.807	ug/L	1015196.027
[107 Ag	0.004305	54.755	91.334	ug/L	58.334
[111 Cd	0.004714	101.303	60.494	ug/L	53.232
[121 Sb	0.278583	22.074	1846.274	ug/L	283.673
[135 Ba	0.006754	84.181	89.667	ug/L	78.667
> 115 In-1			1114587.483	ug/L	1130459.784
[208 Pb	0.004320	27.219	682.681	ug/L	586.677
> 169 Tm-1			962250.097	ug/L	983155.379
[50 Cr	-0.205096	14.712	-111.082	ug/L	-76.253
[53 Cr	3.627709	36.846	15485.599	ug/L	14440.739
[61 Ni	0.065014	1323.821	968.540	ug/L	972.876
[63 Cu	0.000857	649.732	89.335	ug/L	88.668
[76 Se	-43.295498	35.568	-134088.702	ug/L	-133614.027
[77 Se	0.549268	130.481	5802.518	ug/L	5765.162
[78 Se	-0.392742	97.421	14331.121	ug/L	14590.878
[79 Br	4757.728871	17.180	78649.109	ug/L	86878.509
> 72 Ge			1008546.807	ug/L	1015196.027
[108 Cd	0.022326	70.185	11.815	ug/L	9.384
[114 Cd	-0.002074	76.255	150.159	ug/L	160.939
[109 Ag	0.001476	144.290	28.334	ug/L	24.667

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Sample ID: ICB

>	115 In			1114587.483	ug/L	1130459.784
	208 207.977	0.005168	35.184	358.343	ug/L	297.674
|	207 Pb	0.005115	8.480	148.668	ug/L	124.335
|	206 Pb	0.002105	54.911	175.669	ug/L	164.669
>	169 Tm			962250.097	ug/L	983155.379

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	107.847
| Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	99.345
| Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	98.596
| Pb	208	
> Tm-1	169	97.874
| Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	99.345
| Cd	108	
| Cd	114	
| Ag	109	
> In	115	98.596
| 207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	97.874

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: LLSTD1

Sample Description: LLSTD@10X

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 14:16:31

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\LLSTD1.009

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 71

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			998291.961	ug/L	975119.936
> 6 Li-1			734609.107	ug/L	674312.754
[9 Be	1.065395	7.016	337.342	ug/L	4.667
[27 Al	39.623235	1.142	233373.606	ug/L	61494.391
| 44 Ca	60.284435	2.277	19678.717	ug/L	7827.812
| 52 Cr	1.325949	1.727	21772.519	ug/L	12492.923
| 55 Mn	0.932519	0.874	13003.941	ug/L	2515.164
| 54 Fe	50.389065	3.775	99149.456	ug/L	71575.950
| 57 Fe	52.369656	1.587	20000.239	ug/L	7885.234
| 59 Co	1.037098	1.125	9382.913	ug/L	134.668
| 60 Ni	0.982215	1.199	2160.795	ug/L	333.130
| 65 Cu	1.090997	0.781	2195.730	ug/L	113.236
| 75 As	1.178090	19.927	15171.697	ug/L	13228.025
| 82 Se	1.309316	3.748	1168.368	ug/L	954.303
| 97 Mo	1.029491	1.559	1672.220	ug/L	53.667
> 72 Ge-1			1011355.798	ug/L	1015196.027
[107 Ag	0.510804	1.806	4080.308	ug/L	58.334
| 111 Cd	1.002728	1.617	1760.485	ug/L	53.232
| 121 Sb	0.554371	1.707	3405.244	ug/L	283.673
| 135 Ba	1.006518	1.579	1889.614	ug/L	78.667
> 115 In-1			1117876.849	ug/L	1130459.784
[208 Pb	1.018714	0.697	26508.987	ug/L	586.677
> 169 Tm-1			975558.549	ug/L	983155.379
[50 Cr	1.422151	42.413	169.753	ug/L	-76.253
| 53 Cr	6.644872	14.025	16480.889	ug/L	14440.739
| 61 Ni	2.079123	157.753	1032.903	ug/L	972.876
| 63 Cu	1.062425	3.770	1610.237	ug/L	88.668
| 76 Se	-15.711912	159.719	-133600.217	ug/L	-133614.027
| 77 Se	3.918984	12.123	6279.835	ug/L	5765.162
| 78 Se	0.978084	47.321	14944.007	ug/L	14590.878
| 79 Br	-998.263690	53.792	88162.140	ug/L	86878.509
> 72 Ge			1011355.798	ug/L	1015196.027
[108 Cd	1.004534	11.386	125.323	ug/L	9.384
| 114 Cd	0.995493	2.443	4261.249	ug/L	160.939
| 109 Ag	0.520031	1.656	1443.792	ug/L	24.667

>	115 In			1117876.849	ug/L	1130459.784
[	208 207.977	1.048715	0.903	14086.909	ug/L	297.674
|	207 Pb	1.076530	1.344	5876.379	ug/L	124.335
|	206 Pb	0.917580	1.864	6545.698	ug/L	164.669
>	169 Tm			975558.549	ug/L	983155.379

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	108.942
[Be	9	
[Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	99.622
[Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	98.887
[Pb	208	
> Tm-1	169	99.227
[Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	99.622
[Cd	108	
| Cd	114	
| Ag	109	
> In	115	98.887
[207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	99.227

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: LLSTD2

Sample Description: LLSTD@5X

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 14:20:35

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\LLSTD2.010

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 72

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1008024.967	ug/L	975119.936
> 6 Li-1			734198.885	ug/L	674312.754
[9 Be	2.041130	6.069	641.699	ug/L	4.667
[27 Al	90.233766	0.276	458227.990	ug/L	61494.391
[44 Ca	104.539610	0.486	28714.641	ug/L	7827.812
[52 Cr	2.368742	2.716	29427.894	ug/L	12492.923
[55 Mn	1.938277	0.416	24595.105	ug/L	2515.164
[54 Fe	95.940222	0.764	125691.422	ug/L	71575.950
[57 Fe	101.312961	2.297	31697.424	ug/L	7885.234
[59 Co	2.020622	0.665	18354.098	ug/L	134.668
[60 Ni	1.904630	1.247	3921.318	ug/L	333.130
[65 Cu	2.004096	2.483	3982.301	ug/L	113.236
[75 As	2.048715	17.599	16830.964	ug/L	13228.025
[82 Se	2.410335	10.198	1366.294	ug/L	954.303
[97 Mo	1.945269	1.147	3146.444	ug/L	53.667
> 72 Ge-1			1022532.973	ug/L	1015196.027
[107 Ag	1.016954	0.748	8089.472	ug/L	58.334
[111 Cd	2.072591	2.348	3592.363	ug/L	53.232
[121 Sb	1.035664	1.641	6135.958	ug/L	283.673
[135 Ba	2.001973	0.836	3691.737	ug/L	78.667
> 115 In-1			1121080.094	ug/L	1130459.784
[208 Pb	1.991529	0.327	51671.722	ug/L	586.677
> 169 Tm-1			983222.092	ug/L	983155.379
[50 Cr	2.880990	11.168	426.557	ug/L	-76.253
[53 Cr	8.875311	13.189	17374.522	ug/L	14440.739
[61 Ni	2.999204	59.146	1072.920	ug/L	972.876
[63 Cu	2.014338	1.756	3006.321	ug/L	88.668
[76 Se	-26.400503	33.360	-135414.650	ug/L	-133614.027
[77 Se	6.654949	15.523	6727.489	ug/L	5765.162
[78 Se	1.711748	12.853	15419.519	ug/L	14590.878
[79 Br	-2427.326405	9.017	91466.174	ug/L	86878.509
> 72 Ge			1022532.973	ug/L	1015196.027
[108 Cd	1.905341	4.101	230.054	ug/L	9.384
[114 Cd	1.966994	0.784	8287.734	ug/L	160.939
[109 Ag	1.005820	2.189	2777.363	ug/L	24.667

>	115 In			1121080.094	ug/L	1130459.784
[	208 207.977	2.054167	0.364	27524.734	ug/L	297.674
|	207 Pb	2.068678	1.305	11265.964	ug/L	124.335
|	206 Pb	1.813840	1.006	12881.024	ug/L	164.669
>	169 Tm			983222.092	ug/L	983155.379

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	108.881
[Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	100.723
[Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	99.170
[Pb	208	
> Tm-1	169	100.007
[Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	100.723
[Cd	108	
| Cd	114	
| Ag	109	
> In	115	99.170
[207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	100.007

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: ICSA

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 14:30:12

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\ICSA .011

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 2

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			839501.497	ug/L	975119.936
> 6 Li-1			707133.142	ug/L	674312.754
[9 Be	0.066031	31.929	24.667	ug/L	4.667
[27 Al	103254.212516	0.737	392203484.087	ug/L	61494.391
[44 Ca	95414.618519	0.451	16448249.470	ug/L	7827.812
[52 Cr	2.350470	0.275	25338.351	ug/L	12492.923
[55 Mn	6.485136	0.573	66029.180	ug/L	2515.164
[54 Fe	96669.864706	0.419	46766524.408	ug/L	71575.950
[57 Fe	95441.361271	0.455	19358513.031	ug/L	7885.234
[59 Co	1.707392	0.813	13430.158	ug/L	134.668
[60 Ni	1.809783	2.769	3236.659	ug/L	333.130
[65 Cu	-0.844363	5.419	-1310.609	ug/L	113.236
[75 As	0.536876	57.018	12320.502	ug/L	13228.025
[82 Se	-1.820801	65.380	565.313	ug/L	954.303
[97 Mo	2037.109498	0.449	2800616.540	ug/L	53.667
> 72 Ge-1			884301.530	ug/L	1015196.027
[107 Ag	0.157174	2.871	1052.087	ug/L	58.334
[111 Cd	0.917488	8.034	1311.942	ug/L	53.232
[121 Sb	0.229266	2.687	1277.462	ug/L	283.673
[135 Ba	2.979640	2.866	4419.201	ug/L	78.667
> 115 In-1			907934.096	ug/L	1130459.784
[208 Pb	0.493463	1.202	11326.938	ug/L	586.677
> 169 Tm-1			840850.610	ug/L	983155.379
[50 Cr	295.606084	1.554	44599.521	ug/L	-76.253
[53 Cr	15.899621	1.836	16960.048	ug/L	14440.739
[61 Ni	27.615672	11.449	1586.221	ug/L	972.876
[63 Cu	3.493879	1.853	4453.026	ug/L	88.668
[76 Se	-195.360669	8.648	-121734.816	ug/L	-133614.027
[77 Se	45.712951	3.814	10494.391	ug/L	5765.162
[78 Se	3.145882	16.041	13859.992	ug/L	14590.878
[79 Br	-2602010.915907	3.324	3747525.741	ug/L	86878.509
> 72 Ge			884301.530	ug/L	1015196.027
[108 Cd	55.125487	4.534	5179.080	ug/L	9.384
[114 Cd	3.505795	2.651	11861.134	ug/L	160.939
[109 Ag	0.125806	5.817	298.686	ug/L	24.667

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Sample ID: ICSA

>	115 In			907934.096	ug/L	1130459.784	
	208	207.977	0.505068	1.745	5979.475	ug/L	297.674
|	207 Pb		0.514400	1.726	2475.815	ug/L	124.335
|	206 Pb		0.455437	2.495	2871.648	ug/L	164.669
>	169 Tm			840850.610	ug/L	983155.379	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	104.867
| Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	87.106
| Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	80.315
| Pb	208	
> Tm-1	169	85.526
| Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	87.106
| Cd	108	
| Cd	114	
| Ag	109	
> In	115	80.315
| 207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	85.526

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: ICSAB

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 14:34:15

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\ICSAB.012

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 1

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			875092.550	ug/L	975119.936
> 6 Li-1			741225.074	ug/L	674312.754
| 9 Be	100.861321	0.848	31747.333	ug/L	4.667
| 27 Al	100798.315151	0.397	398322247.874	ug/L	61494.391
| 44 Ca	93902.340148	0.129	16839764.638	ug/L	7827.812
| 52 Cr	100.842532	0.797	656518.044	ug/L	12492.923
| 55 Mn	104.938643	0.669	1076868.303	ug/L	2515.164
| 54 Fe	95687.156063	0.532	48158400.829	ug/L	71575.950
| 57 Fe	94277.512202	0.638	19893681.492	ug/L	7885.234
| 59 Co	95.996484	0.791	778808.011	ug/L	134.668
| 60 Ni	93.285392	0.761	158302.202	ug/L	333.130
| 65 Cu	87.605768	0.852	152241.861	ug/L	113.236
| 75 As	101.149220	0.956	167737.982	ug/L	13228.025
| 82 Se	103.483375	1.951	16513.998	ug/L	954.303
| 97 Mo	2115.475325	0.728	3025650.547	ug/L	53.667
> 72 Ge-1			919914.383	ug/L	1015196.027
| 107 Ag	48.856090	0.290	321775.412	ug/L	58.334
| 111 Cd	100.979317	0.751	143859.548	ug/L	53.232
| 121 Sb	52.867196	0.398	249427.898	ug/L	283.673
| 135 Ba	110.755104	0.397	166773.896	ug/L	78.667
> 115 In-1			934776.687	ug/L	1130459.784
| 208 Pb	102.541925	0.594	2352423.020	ug/L	586.677
> 169 Tm-1			879102.129	ug/L	983155.379
| 50 Cr	372.135081	1.934	58421.061	ug/L	-76.253
| 53 Cr	111.185553	1.141	44961.055	ug/L	14440.739
| 61 Ni	119.415863	1.722	4207.893	ug/L	972.876
| 63 Cu	91.209264	0.809	118915.283	ug/L	88.668
| 76 Se	-97.197458	42.484	-123836.763	ug/L	-133614.027
| 77 Se	144.238652	0.696	23182.189	ug/L	5765.162
| 78 Se	104.960504	1.647	53120.577	ug/L	14590.878
| 79 Br	-59251.566281	6.732	165665.775	ug/L	86878.509
> 72 Ge			919914.383	ug/L	1015196.027
| 108 Cd	160.283259	0.559	15490.449	ug/L	9.384
114 Cd	101.874257	0.658	351148.815	ug/L	160.939
109 Ag	48.403391	0.342	110500.334	ug/L	24.667

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Sample ID: ICSAB

>	115 In			934776.687	ug/L	1130459.784	
[208	207.977	102.587849	0.383	1216051.655	ug/L	297.674
|	207 Pb		102.862381	0.917	495495.404	ug/L	124.335
|	206 Pb		102.208918	0.797	640875.961	ug/L	164.669
>	169 Tm				879102.129	ug/L	983155.379

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	109.923
[Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	90.614
[Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	82.690
[Pb	208	
> Tm-1	169	89.416
[Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	90.614
[Cd	108	
| Cd	114	
| Ag	109	
> In	115	82.690
[207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	89.416

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: Rinse

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 14:41:59

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\Rinse.013

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 6

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1130580.669	ug/L	975119.936
> 6 Li-1			858083.983	ug/L	674312.754
[9 Be	-0.006243	91.427	3.667	ug/L	4.667
[27 Al	93.984866	1.966	513480.934	ug/L	61494.391
| 44 Ca	13.059298	1.967	11343.434	ug/L	7827.812
| 52 Cr	1.283743	2.051	23486.931	ug/L	12492.923
| 55 Mn	0.490672	1.228	8782.056	ug/L	2515.164
| 54 Fe	20.693990	4.948	90489.925	ug/L	71575.950
| 57 Fe	13.576873	4.846	12034.830	ug/L	7885.234
| 59 Co	0.000509	167.963	151.668	ug/L	134.668
| 60 Ni	0.313796	4.952	1001.989	ug/L	333.130
| 65 Cu	0.136913	2.204	409.243	ug/L	113.236
| 75 As	0.491377	21.742	15322.007	ug/L	13228.025
| 82 Se	0.054428	288.037	1049.568	ug/L	954.303
| 97 Mo	0.415573	5.958	773.047	ug/L	53.667
> 72 Ge-1			1106109.284	ug/L	1015196.027
[107 Ag	0.000651	220.982	68.334	ug/L	58.334
| 111 Cd	-0.000956	611.139	55.502	ug/L	53.232
| 121 Sb	-0.008669	21.711	252.005	ug/L	283.673
| 135 Ba	0.017211	7.319	118.334	ug/L	78.667
> 115 In-1			1216146.028	ug/L	1130459.784
[208 Pb	0.007246	26.303	852.356	ug/L	586.677
> 169 Tm-1			1084794.868	ug/L	983155.379
[50 Cr	-0.351839	7.292	-149.557	ug/L	-76.253
| 53 Cr	29.243991	3.522	25815.141	ug/L	14440.739
| 61 Ni	10.229588	14.822	1402.767	ug/L	972.876
| 63 Cu	0.130066	6.558	300.353	ug/L	88.668
| 76 Se	4.371849	706.487	-145426.756	ug/L	-133614.027
| 77 Se	32.629716	1.351	11166.187	ug/L	5765.162
| 78 Se	2.234456	12.927	16918.687	ug/L	14590.878
| 79 Br	-36064.929604	5.542	158310.124	ug/L	86878.509
> 72 Ge			1106109.284	ug/L	1015196.027
[108 Cd	-0.042099	21.484	4.804	ug/L	9.384
| 114 Cd	-0.011105	17.354	123.363	ug/L	160.939
| 109 Ag	-0.001078	126.566	23.333	ug/L	24.667

>	115 In			1216146.028	ug/L	1130459.784
|	208 207.977	0.008042	27.515	446.016	ug/L	297.674
|	207 Pb	0.009955	30.677	196.336	ug/L	124.335
|	206 Pb	0.003662	101.423	210.004	ug/L	164.669
>	169 Tm			1084794.868	ug/L	983155.379

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	127.253
| Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	108.955
| Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	107.580
| Pb	208	
> Tm-1	169	110.338
| Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	108.955
| Cd	108	
| Cd	114	
| Ag	109	
> In	115	107.580
| 207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	110.338

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCV 1

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 14:49:44

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 1.014

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1099250.930	ug/L	975119.936
> 6 Li-1			866238.098	ug/L	674312.754
[9 Be	103.551842	0.870	38090.660	ug/L	4.667
[27 Al	5317.380846	0.906	25229126.376	ug/L	61494.391
| 44 Ca	5152.790863	0.577	1114793.354	ug/L	7827.812
| 52 Cr	100.395867	1.693	782812.980	ug/L	12492.923
| 55 Mn	99.082648	1.524	1217842.261	ug/L	2515.164
| 54 Fe	5038.575752	1.972	3110442.861	ug/L	71575.950
| 57 Fe	5043.355544	1.533	1282615.848	ug/L	7885.234
| 59 Co	98.377788	0.755	955888.382	ug/L	134.668
| 60 Ni	98.615727	0.326	200421.603	ug/L	333.130
| 65 Cu	98.510468	0.612	205016.536	ug/L	113.236
| 75 As	99.437643	0.596	197740.049	ug/L	13228.025
| 82 Se	97.907321	0.575	18768.475	ug/L	954.303
| 97 Mo	199.063725	1.128	341026.752	ug/L	53.667
> 72 Ge-1			1101846.988	ug/L	1015196.027
[107 Ag	50.373612	1.070	420217.541	ug/L	58.334
| 111 Cd	100.183396	1.025	180767.792	ug/L	53.232
| 121 Sb	50.917395	0.662	304291.814	ug/L	283.673
| 135 Ba	101.638344	0.507	193860.111	ug/L	78.667
> 115 In-1			1184083.713	ug/L	1130459.784
[208 Pb	96.386589	0.897	2682017.781	ug/L	586.677
> 169 Tm-1			1066408.213	ug/L	983155.379
[50 Cr	101.139364	4.096	18949.356	ug/L	-76.253
| 53 Cr	112.983474	1.322	54472.556	ug/L	14440.739
| 61 Ni	101.192158	2.457	4432.320	ug/L	972.876
| 63 Cu	98.218300	0.645	153360.700	ug/L	88.668
| 76 Se	90.460522	9.177	-141931.490	ug/L	-133614.027
| 77 Se	114.242339	1.357	23294.147	ug/L	5765.162
| 78 Se	97.259246	1.527	60111.095	ug/L	14590.878
| 79 Br	-3606.870210	7.121	100638.438	ug/L	86878.509
> 72 Ge			1101846.988	ug/L	1015196.027
[108 Cd	101.451845	0.469	12422.601	ug/L	9.384
114 Cd	99.410144	1.312	433985.594	ug/L	160.939
109 Ag	50.092340	1.134	144839.619	ug/L	24.667

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Sample ID: CCV 1

>	115 In			1184083.713	ug/L	1130459.784	
[208	207.977	96.131288	1.003	1382151.024	ug/L	297.674
|	207 Pb		96.888184	0.683	566086.061	ug/L	124.335
|	206 Pb		96.483902	0.892	733780.696	ug/L	164.669
>	169 Tm				1066408.213	ug/L	983155.379

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	128.462
[Be	9	
[Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	108.535
[Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	104.744
[Pb	208	
> Tm-1	169	108.468
[Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	108.535
[Cd	108	
| Cd	114	
| Ag	109	
> In	115	104.744
[207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	108.468

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCB 1

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 14:53:49

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 1.015

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1106132.928	ug/L	975119.936
> 6 Li-1			880851.748	ug/L	674312.754
[9 Be	-0.002910	184.233	5.000	ug/L	4.667
[27 Al	4.005349	13.979	86162.732	ug/L	61494.391
| 44 Ca	6.307493	4.531	9904.704	ug/L	7827.812
| 52 Cr	1.148086	3.747	22477.629	ug/L	12492.923
| 55 Mn	0.015836	28.673	2940.012	ug/L	2515.164
| 54 Fe	12.705354	13.645	85794.176	ug/L	71575.950
| 57 Fe	7.500422	2.223	10510.726	ug/L	7885.234
| 59 Co	0.008025	18.596	225.337	ug/L	134.668
| 60 Ni	-0.030685	16.416	301.030	ug/L	333.130
| 65 Cu	0.015928	38.744	156.867	ug/L	113.236
| 75 As	0.444670	47.800	15258.224	ug/L	13228.025
| 82 Se	0.413823	64.734	1116.599	ug/L	954.303
| 97 Mo	0.121046	5.770	267.006	ug/L	53.667
> 72 Ge-1			1107889.910	ug/L	1015196.027
[107 Ag	0.005959	20.924	111.668	ug/L	58.334
| 111 Cd	0.009740	33.057	73.814	ug/L	53.232
| 121 Sb	-0.009080	5.250	244.671	ug/L	283.673
| 135 Ba	0.008833	38.166	100.001	ug/L	78.667
> 115 In-1			1192611.893	ug/L	1130459.784
[208 Pb	0.006117	31.903	804.020	ug/L	586.677
> 169 Tm-1			1062879.127	ug/L	983155.379
[50 Cr	-0.242825	34.549	-129.141	ug/L	-76.253
| 53 Cr	21.649884	5.590	23232.149	ug/L	14440.739
| 61 Ni	4.781763	35.165	1222.329	ug/L	972.876
| 63 Cu	0.015626	29.778	121.337	ug/L	88.668
| 76 Se	1.217938	2632.725	-145779.309	ug/L	-133614.027
| 77 Se	23.331459	3.877	9789.268	ug/L	5765.162
| 78 Se	1.948588	30.866	16813.138	ug/L	14590.878
| 79 Br	1429.633816	65.693	92273.968	ug/L	86878.509
> 72 Ge			1107889.910	ug/L	1015196.027
[108 Cd	-0.028800	154.478	6.383	ug/L	9.384
| 114 Cd	-0.003129	39.432	156.006	ug/L	160.939
| 109 Ag	0.003216	79.964	35.334	ug/L	24.667

>	115 In			1192611.893	ug/L	1130459.784	
|	208	207.977	0.006590	37.234	416.347	ug/L	297.674
|	207 Pb		0.006800	19.314	174.002	ug/L	124.335
|	206 Pb		0.004697	43.718	213.670	ug/L	164.669
>	169 Tm			1062879.127	ug/L	983155.379	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	130.630
| Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	109.131
| Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	105.498
| Pb	208	
> Tm-1	169	108.109
| Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	109.131
| Cd	108	
| Cd	114	
| Ag	109	
> In	115	105.498
| 207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	108.109

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: BLK RECAL

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 14:53:49

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 1.015

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1106132.928	ug/L	
> 6 Li-1			880851.748	ug/L	
| 9 Be			5.000	ug/L	
| 27 Al			86162.732	ug/L	
| 44 Ca			9904.704	ug/L	
| 52 Cr			22477.629	ug/L	
| 55 Mn			2940.012	ug/L	
| 54 Fe			85794.176	ug/L	
| 57 Fe			10510.726	ug/L	
| 59 Co			225.337	ug/L	
| 60 Ni			301.030	ug/L	
| 65 Cu			156.867	ug/L	
| 75 As			15258.224	ug/L	
| 82 Se			1116.599	ug/L	
| 97 Mo			267.006	ug/L	
> 72 Ge-1			1107889.910	ug/L	
| 107 Ag			111.668	ug/L	
| 111 Cd			73.814	ug/L	
| 121 Sb			244.671	ug/L	
| 135 Ba			100.001	ug/L	
> 115 In-1			1192611.893	ug/L	
| 208 Pb			804.020	ug/L	
> 169 Tm-1			1062879.127	ug/L	
| 50 Cr			-129.141	ug/L	
| 53 Cr			23232.149	ug/L	
| 61 Ni			1222.329	ug/L	
| 63 Cu			121.337	ug/L	
| 76 Se			-145779.309	ug/L	
| 77 Se			9789.268	ug/L	
| 78 Se			16813.138	ug/L	
79 Br			92273.968	ug/L	
> 72 Ge			1107889.910	ug/L	
108 Cd			6.383	ug/L	
114 Cd			156.006	ug/L	
109 Ag			35.334	ug/L	

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>	115 In	1192611.893	ug/L
[208 207.977	416.347	ug/L
	207 Pb	174.002	ug/L
	206 Pb	213.670	ug/L
>	169 Tm	1062879.127	ug/L

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	
[Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	
[Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	
[Pb	208	
> Tm-1	169	
[Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	
[Cd	108	
| Cd	114	
| Ag	109	
> In	115	
[207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: STD1 RECAL

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 14:49:44

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 1.014

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1099250.930	ug/L	1106132.928
> 6 Li-1			866238.098	ug/L	880851.748
[9 Be	100.000000	0.870	38090.660	ug/L	5.000
[27 Al	5100.000000	0.906	25229126.376	ug/L	86162.732
[44 Ca	5100.000000	0.577	1114793.354	ug/L	9904.704
[52 Cr	100.000000	1.712	782812.980	ug/L	22477.629
[55 Mn	100.000000	1.524	1217842.261	ug/L	2940.012
[54 Fe	5100.000000	1.977	3110442.861	ug/L	85794.176
[57 Fe	5100.000000	1.535	1282615.848	ug/L	10510.726
[59 Co	100.000000	0.755	955888.382	ug/L	225.337
[60 Ni	100.000000	0.326	200421.603	ug/L	301.030
[65 Cu	100.000000	0.612	205016.536	ug/L	156.867
[75 As	100.000000	0.599	197740.049	ug/L	15258.224
[82 Se	100.000000	0.577	18768.475	ug/L	1116.599
[97 Mo	200.000000	1.129	341026.752	ug/L	267.006
> 72 Ge-1			1101846.988	ug/L	1107889.910
[107 Ag	50.000000	1.070	420217.541	ug/L	111.668
[111 Cd	100.000000	1.025	180767.792	ug/L	73.814
[121 Sb	50.000000	0.662	304291.814	ug/L	244.671
[135 Ba	100.000000	0.507	193860.111	ug/L	100.001
> 115 In-1			1184083.713	ug/L	1192611.893
[208 Pb	100.000000	0.897	2682017.781	ug/L	804.020
> 169 Tm-1			1066408.213	ug/L	1062879.127
[50 Cr	100.000000	4.086	18949.356	ug/L	-129.141
[53 Cr	100.000000	1.635	54472.556	ug/L	23232.149
[61 Ni	100.000000	2.579	4432.320	ug/L	1222.329
[63 Cu	100.000000	0.645	153360.700	ug/L	121.337
[76 Se	100.000000	9.280	-141931.490	ug/L	-145779.309
[77 Se	100.000000	1.705	23294.147	ug/L	9789.268
[78 Se	100.000000	1.558	60111.095	ug/L	16813.138
[79 Br	100.000000	5.094	100638.438	ug/L	92273.968
> 72 Ge			1101846.988	ug/L	1107889.910
[108 Cd	100.000000	0.468	12422.601	ug/L	6.383
[114 Cd	100.000000	1.312	433985.594	ug/L	156.006
[109 Ag	50.000000	1.135	144839.619	ug/L	35.334

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Sample ID: STD1 RECAL

>	115 In			1184083.713	ug/L	1192611.893	
	208	207.977	100.000000	1.003	1382151.024	ug/L	416.347
|	207 Pb		100.000000	0.683	566086.061	ug/L	174.002
|	206 Pb		100.000000	0.892	733780.696	ug/L	213.670
>	169 Tm			1066408.213	ug/L	1062879.127	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	
| Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	
| Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	
| Pb	208	
> Tm-1	169	
| Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	
| Cd	108	
| Cd	114	
| Ag	109	
> In	115	
| 207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCV 2

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 14:57:54

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 2.016

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

	Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45 Sc			1093200.130	ug/L	1106132.928
>	6 Li-1			892390.975	ug/L	880851.748
|	9 Be	97.165507	1.141	38127.884	ug/L	5.000
|	27 Al	5019.506734	1.635	24995243.321	ug/L	86162.732
|	44 Ca	4990.966022	0.446	1098358.964	ug/L	9904.704
|	52 Cr	99.586985	0.235	784868.503	ug/L	22477.629
|	55 Mn	99.405262	0.445	1218651.528	ug/L	2940.012
|	54 Fe	5084.747995	0.397	3122101.338	ug/L	85794.176
|	57 Fe	5029.899613	0.666	1273505.901	ug/L	10510.726
|	59 Co	98.582418	0.755	948523.578	ug/L	225.337
|	60 Ni	98.783048	0.964	199271.802	ug/L	301.030
|	65 Cu	98.835414	0.328	203964.216	ug/L	156.867
|	75 As	99.405356	0.224	197948.234	ug/L	15258.224
|	82 Se	97.747010	0.893	18491.802	ug/L	1116.599
|	97 Mo	197.513546	0.758	339026.193	ug/L	267.006
>	72 Ge-1			1109054.025	ug/L	1107889.910
|	107 Ag	49.682933	1.115	415719.131	ug/L	111.668
|	111 Cd	99.639069	0.785	179339.323	ug/L	73.814
|	121 Sb	49.897261	1.054	302326.008	ug/L	244.671
|	135 Ba	99.499453	1.436	192031.071	ug/L	100.001
>	115 In-1			1178926.819	ug/L	1192611.893
|	208 Pb	99.016054	1.033	2617395.524	ug/L	804.020
>	169 Tm-1			1051051.231	ug/L	1062879.127
|	50 Cr	98.707913	2.178	18831.576	ug/L	-129.141
|	53 Cr	96.549880	3.085	53743.286	ug/L	23232.149
|	61 Ni	100.424751	1.709	4474.735	ug/L	1222.329
|	63 Cu	98.624926	0.078	152251.005	ug/L	121.337
|	76 Se	115.708597	26.918	-142385.013	ug/L	-145779.309
|	77 Se	95.989680	1.375	22899.477	ug/L	9789.268
|	78 Se	99.764425	0.652	60409.461	ug/L	16813.138
|	79 Br	62.108463	22.233	97917.990	ug/L	92273.968
>	72 Ge			1109054.025	ug/L	1107889.910
|	108 Cd	99.795589	1.028	12342.456	ug/L	6.383
	114 Cd	99.526144	0.665	430072.049	ug/L	156.006
	109 Ag	49.887373	1.255	143879.321	ug/L	35.334

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Sample ID: CCV 2

>	115 In			1178926.819	ug/L	1192611.893	
	208	207.977	99.190342	1.163	1351222.589	ug/L	416.347
|	207 Pb		98.850968	0.974	551526.478	ug/L	174.002
|	206 Pb		98.815122	0.894	714646.458	ug/L	213.670
>	169 Tm				1051051.231	ug/L	1062879.127

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	101.310
| Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	100.105
| Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	98.853
| Pb	208	
> Tm-1	169	98.887
| Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	100.105
| Cd	108	
| Cd	114	
| Ag	109	
> In	115	98.853
| 207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	98.887

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCB 2

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 15:01:59

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 2.017

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1130227.722	ug/L	1106132.928
> 6 Li-1			910407.544	ug/L	880851.748
9 Be	0.021222	26.806	13.667	ug/L	5.000
27 Al	-0.892949	39.359	82898.509	ug/L	86162.732
44 Ca	-0.063672	552.534	10032.569	ug/L	9904.704
52 Cr	0.015895	99.023	22923.214	ug/L	22477.629
55 Mn	-0.002389	219.834	2952.685	ug/L	2940.012
54 Fe	-1.981980	74.840	85821.468	ug/L	85794.176
57 Fe	-0.849484	74.061	10446.646	ug/L	10510.726
59 Co	0.001030	282.723	238.671	ug/L	225.337
60 Ni	0.006278	285.555	318.411	ug/L	301.030
65 Cu	0.000283	811.649	159.743	ug/L	156.867
75 As	0.023272	417.582	15519.714	ug/L	15258.224
82 Se	-0.241669	23.693	1089.130	ug/L	1116.599
97 Mo	-0.029424	10.583	219.670	ug/L	267.006
> 72 Ge-1			1123806.039	ug/L	1107889.910
107 Ag	0.000551	226.668	116.001	ug/L	111.668
111 Cd	-0.006557	12.844	61.710	ug/L	73.814
121 Sb	0.002018	68.839	256.339	ug/L	244.671
135 Ba	0.004438	74.528	108.334	ug/L	100.001
> 115 In-1			1189268.903	ug/L	1192611.893
208 Pb	0.003296	13.547	893.691	ug/L	804.020
> 169 Tm-1			1064815.118	ug/L	1062879.127
50 Cr	0.027237	215.204	-125.663	ug/L	-129.141
53 Cr	-2.129289	35.259	22884.994	ug/L	23232.149
61 Ni	-0.224325	1054.975	1233.002	ug/L	1222.329
63 Cu	-0.004698	140.866	115.670	ug/L	121.337
76 Se	-0.779935	3344.825	-147900.291	ug/L	-145779.309
77 Se	-2.841043	24.414	9536.666	ug/L	9789.268
78 Se	-0.356462	88.846	16896.004	ug/L	16813.138
79 Br	-44.404752	44.109	89573.486	ug/L	92273.968
> 72 Ge			1123806.039	ug/L	1107889.910
108 Cd	-0.003420	540.125	5.927	ug/L	6.383
114 Cd	0.000902	451.554	159.410	ug/L	156.006
109 Ag	0.000839	93.523	37.667	ug/L	35.334

Report Date/Time: Sunday, November 21, 2010 15:12:43

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Sample ID: CCB 2

>	115 In			1189268.903	ug/L	1192611.893	
[208	207.977	0.002758	91.731	455.016	ug/L	416.347
|	207 Pb		0.004650	54.830	200.670	ug/L	174.002
|	206 Pb		0.003262	38.548	238.004	ug/L	213.670
>	169 Tm			1064815.118	ug/L	1062879.127	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	103.355
[Be	9	
[Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	101.437
[Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	99.720
[Pb	208	
> Tm-1	169	100.182
[Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	101.437
[Cd	108	
| Cd	114	
| Ag	109	
> In	115	99.720
[207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	100.182

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: L99FXB

Sample Description: G0K180000-434 BLK

Batch ID: 322434

Sample Date/Time: Sunday, November 21, 2010 15:22:14

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\L99FXB.022

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 98

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1075848.989	ug/L	1106132.928
> 6 Li-1			867959.463	ug/L	880851.748
[9 Be	0.001031	628.144	5.333	ug/L	5.000
[27 Al	-15.794931	0.313	7541.469	ug/L	86162.732
| 44 Ca	98.340885	0.707	30063.516	ug/L	9904.704
| 52 Cr	-0.994446	2.281	14272.323	ug/L	22477.629
| 55 Mn	-0.010226	42.089	2701.240	ug/L	2940.012
| 54 Fe	33.556152	4.447	101536.869	ug/L	85794.176
| 57 Fe	2.073477	56.278	10585.242	ug/L	10510.726
| 59 Co	-0.000025	8595.387	216.004	ug/L	225.337
| 60 Ni	-0.020007	19.322	250.229	ug/L	301.030
| 65 Cu	0.577108	2.521	1291.364	ug/L	156.867
| 75 As	0.503664	27.194	15528.583	ug/L	15258.224
| 82 Se	0.005307	1286.128	1072.430	ug/L	1116.599
| 97 Mo	0.132731	28.469	474.351	ug/L	267.006
> 72 Ge-1			1063138.469	ug/L	1107889.910
[107 Ag	-0.006175	13.579	58.667	ug/L	111.668
| 111 Cd	-0.002706	239.314	68.043	ug/L	73.814
| 121 Sb	0.040638	16.314	487.352	ug/L	244.671
| 135 Ba	0.480272	4.332	1024.082	ug/L	100.001
> 115 In-1			1177447.792	ug/L	1192611.893
[208 Pb	0.032947	6.955	1590.410	ug/L	804.020
> 169 Tm-1			1003363.507	ug/L	1062879.127
[50 Cr	0.580105	28.586	-17.139	ug/L	-129.141
| 53 Cr	-53.045012	3.114	6240.929	ug/L	23232.149
| 61 Ni	-0.301559	142.478	1163.631	ug/L	1222.329
| 63 Cu	0.575118	2.438	966.872	ug/L	121.337
| 76 Se	-30.398839	85.645	-140787.074	ug/L	-145779.309
| 77 Se	-57.357596	0.546	1890.863	ug/L	9789.268
| 78 Se	-1.311741	45.670	15584.224	ug/L	16813.138
| 79 Br	-750.322428	1.074	24376.992	ug/L	92273.968
> 72 Ge			1063138.469	ug/L	1107889.910
[108 Cd	-0.023333	55.091	3.420	ug/L	6.383
| 114 Cd	0.002387	87.576	164.347	ug/L	156.006
109 Ag	-0.004944	52.116	20.667	ug/L	35.334

Report Date/Time: Sunday, November 21, 2010 15:24:07

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Sample ID: L99FXB

>	115 In			1177447.792	ug/L	1192611.893	
	208	207.977	0.032965	5.089	821.720	ug/L	416.347
|	207 Pb		0.036132	11.477	356.677	ug/L	174.002
|	206 Pb		0.030455	11.358	412.013	ug/L	213.670
>	169 Tm				1003363.507	ug/L	1062879.127

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	98.536
| Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	95.961
| Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	98.728
| Pb	208	
> Tm-1	169	94.401
| Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	95.961
| Cd	108	
| Cd	114	
| Ag	109	
> In	115	98.728
| 207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	94.401

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: L99F3C
 Sample Description: G0K180000-436 LCS
 Batch ID: 322436
 Sample Date/Time: Sunday, November 21, 2010 15:26:16
 Method File: e:\elandata\Method\0322434.mth
 Dataset File: E:\elandata\Dataset\101121a2\L99F3C.023
 Tuning File: e:\elandata\Tuning\default.tun
 Optimization File: e:\elandata\Optimize\default.dac
 Autosampler Position: 90
 Number of Replicates: 3
 Dual Detector Mode: Dual
 Initial Sample Quantity (mg):
 Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1061906.913	ug/L	1106132.928
> 6 Li-1			882803.639	ug/L	880851.748
[9 Be	168.876040	0.783	65551.565	ug/L	5.000
[27 Al	919.256828	1.718	4458911.597	ug/L	86162.732
[44 Ca	1081.541409	1.217	235779.191	ug/L	9904.704
[52 Cr	184.884168	1.556	1379314.320	ug/L	22477.629
[55 Mn	184.913156	1.055	2172312.249	ug/L	2940.012
[54 Fe	993.643111	1.463	651574.688	ug/L	85794.176
[57 Fe	929.291519	1.019	233947.949	ug/L	10510.726
[59 Co	183.317908	1.553	1691853.602	ug/L	225.337
[60 Ni	181.496378	0.870	351003.509	ug/L	301.030
[65 Cu	184.560525	0.938	365255.848	ug/L	156.867
[75 As	178.474724	1.185	329285.323	ug/L	15258.224
[82 Se	173.807242	1.189	30708.193	ug/L	1116.599
[97 Mo	185.011826	1.509	304651.279	ug/L	267.006
> 72 Ge-1			1064021.756	ug/L	1107889.910
[107 Ag	45.181477	1.080	373555.231	ug/L	111.668
[111 Cd	180.179305	1.249	320355.696	ug/L	73.814
[121 Sb	176.468241	1.062	1055861.009	ug/L	244.671
[135 Ba	180.534204	0.865	344205.849	ug/L	100.001
> 115 In-1			1164815.530	ug/L	1192611.893
[208 Pb	181.928050	0.912	4498452.847	ug/L	804.020
> 169 Tm-1			983263.131	ug/L	1062879.127
[50 Cr	157.414948	2.779	28881.753	ug/L	-129.141
[53 Cr	140.334009	1.273	64821.656	ug/L	23232.149
[61 Ni	175.473234	0.865	6623.639	ug/L	1222.329
[63 Cu	182.205276	1.273	269727.500	ug/L	121.337
[76 Se	167.956161	26.795	-135059.961	ug/L	-145779.309
[77 Se	121.059196	0.552	25250.690	ug/L	9789.268
[78 Se	178.012733	1.504	90736.717	ug/L	16813.138
[79 Br	-761.361491	0.736	23454.570	ug/L	92273.968
> 72 Ge			1064021.756	ug/L	1107889.910
[108 Cd	173.006718	0.718	21138.029	ug/L	6.383
[114 Cd	179.135254	0.602	764721.040	ug/L	156.006
[109 Ag	45.411323	0.282	129419.648	ug/L	35.334

>	115 In			1164815.530	ug/L	1192611.893	
|	208	207.977	185.876136	0.983	2368534.622	ug/L	416.347
|	207 Pb		196.781573	0.787	1026974.282	ug/L	174.002
|	206 Pb		163.032814	0.883	1102943.942	ug/L	213.670
>	169 Tm			983263.131	ug/L	1062879.127	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	100.222
| Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	96.040
| Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	97.669
| Pb	208	
> Tm-1	169	92.509
| Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	96.040
| Cd	108	
| Cd	114	
| Ag	109	
> In	115	97.669
| 207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	92.509

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: L99F1L

Sample Description: G0K180000-435 LCSD

Batch ID: 322435

Sample Date/Time: Sunday, November 21, 2010 15:30:16

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\L99F1L.024

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 91

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1055541.659	ug/L	1106132.928
> 6 Li-1			893423.185	ug/L	880851.748
[9 Be	169.193937	0.937	66468.691	ug/L	5.000
[27 Al	934.925976	1.708	4489950.562	ug/L	86162.732
[44 Ca	1095.007744	1.314	236297.616	ug/L	9904.704
[52 Cr	187.924703	0.627	1388206.057	ug/L	22477.629
[55 Mn	187.974504	1.157	2186977.507	ug/L	2940.012
[54 Fe	1019.625539	1.247	660049.165	ug/L	85794.176
[57 Fe	939.047274	0.912	234021.734	ug/L	10510.726
[59 Co	186.234105	1.214	1702274.553	ug/L	225.337
[60 Ni	183.035787	0.694	350570.011	ug/L	301.030
[65 Cu	186.894632	0.587	366315.438	ug/L	156.867
[75 As	181.355690	1.053	331147.873	ug/L	15258.224
[82 Se	176.036960	0.617	30789.268	ug/L	1116.599
[97 Mo	187.589832	1.174	305928.879	ug/L	267.006
> 72 Ge-1			1053728.461	ug/L	1107889.910
[107 Ag	45.765546	0.953	374403.374	ug/L	111.668
[111 Cd	182.186969	1.240	320522.049	ug/L	73.814
[121 Sb	179.343557	0.753	1061784.624	ug/L	244.671
[135 Ba	182.079823	0.772	343498.832	ug/L	100.001
> 115 In-1			1152529.363	ug/L	1192611.893
[208 Pb	184.420284	0.740	4502201.574	ug/L	804.020
> 169 Tm-1			970735.517	ug/L	1062879.127
[50 Cr	163.529064	1.492	29721.967	ug/L	-129.141
[53 Cr	144.482060	0.600	65433.924	ug/L	23232.149
[61 Ni	181.769395	1.077	6753.353	ug/L	1222.329
[63 Cu	183.316676	0.874	268765.177	ug/L	121.337
[76 Se	163.385569	6.515	-133886.734	ug/L	-145779.309
[77 Se	123.986409	0.880	25386.734	ug/L	9789.268
[78 Se	180.910271	0.401	91069.504	ug/L	16813.138
[79 Br	-769.088106	0.820	22572.339	ug/L	92273.968
> 72 Ge			1053728.461	ug/L	1107889.910
[108 Cd	177.479473	0.505	21455.856	ug/L	6.383
[114 Cd	182.113292	0.866	769232.116	ug/L	156.006
[109 Ag	46.002120	1.593	129715.327	ug/L	35.334

>	115 In			1152529.363	ug/L	1192611.893	
|	208	207.977	188.570848	0.823	2372383.788	ug/L	416.347
|	207 Pb		199.230275	0.620	1026551.913	ug/L	174.002
|	206 Pb		165.177244	0.911	1103265.874	ug/L	213.670
>	169 Tm				970735.517	ug/L	1062879.127

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	101.427
| Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	95.111
| Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	96.639
| Pb	208	
> Tm-1	169	91.331
| Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	95.111
| Cd	108	
| Cd	114	
| Ag	109	
> In	115	96.639
| 207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	91.331

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCV 3

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 15:34:21

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 3.025

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1071678.543	ug/L	1106132.928
> 6 Li-1			956510.693	ug/L	880851.748
[9 Be	93.540437	1.508	39333.536	ug/L	5.000
[27 Al	5048.064916	0.359	24430445.989	ug/L	86162.732
| 44 Ca	5030.973508	0.570	1075899.858	ug/L	9904.704
| 52 Cr	99.563405	0.696	762580.390	ug/L	22477.629
| 55 Mn	98.551605	0.838	1174181.256	ug/L	2940.012
| 54 Fe	5094.299334	0.751	3039738.992	ug/L	85794.176
| 57 Fe	4926.707022	1.148	1212437.544	ug/L	10510.726
| 59 Co	95.042467	1.353	888701.920	ug/L	225.337
| 60 Ni	94.848883	1.461	185952.602	ug/L	301.030
| 65 Cu	97.367610	0.652	195279.754	ug/L	156.867
| 75 As	98.150167	1.292	190125.950	ug/L	15258.224
| 82 Se	95.462318	1.078	17575.291	ug/L	1116.599
| 97 Mo	193.053741	0.576	322044.189	ug/L	267.006
> 72 Ge-1			1077840.541	ug/L	1107889.910
[107 Ag	48.427433	1.109	391370.528	ug/L	111.668
| 111 Cd	99.142745	1.447	172336.054	ug/L	73.814
| 121 Sb	50.015338	0.976	292688.995	ug/L	244.671
| 135 Ba	95.990151	1.139	178937.583	ug/L	100.001
> 115 In-1			1138593.043	ug/L	1192611.893
[208 Pb	96.640474	0.647	2318014.130	ug/L	804.020
> 169 Tm-1			953638.373	ug/L	1062879.127
[50 Cr	99.474821	4.606	18448.918	ug/L	-129.141
| 53 Cr	90.863462	0.956	50480.490	ug/L	23232.149
| 61 Ni	91.560759	3.303	4069.307	ug/L	1222.329
| 63 Cu	96.268289	0.690	144427.425	ug/L	121.337
| 76 Se	28.624092	35.482	-140969.596	ug/L	-145779.309
| 77 Se	85.752500	1.029	20896.993	ug/L	9789.268
| 78 Se	97.378382	2.014	57691.064	ug/L	16813.138
| 79 Br	-65.683169	16.421	84072.989	ug/L	92273.968
> 72 Ge			1077840.541	ug/L	1107889.910
[108 Cd	98.141921	1.382	11723.097	ug/L	6.383
| 114 Cd	99.353234	1.295	414635.138	ug/L	156.006
| 109 Ag	48.531460	0.923	135190.351	ug/L	35.334

>	115 In			1138593.043	ug/L	1192611.893	
|	208	207.977	96.382406	0.601	1191387.126	ug/L	416.347
|	207 Pb		96.494802	0.789	488510.435	ug/L	174.002
|	206 Pb		97.238949	0.682	638116.570	ug/L	213.670
>	169 Tm				953638.373	ug/L	1062879.127

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	108.589
| Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	97.288
| Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	95.471
| Pb	208	
> Tm-1	169	89.722
| Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	97.288
| Cd	108	
| Cd	114	
| Ag	109	
> In	115	95.471
| 207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	89.722

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCB 3

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 15:38:25

Method File: e:\elandata\Method\0322434.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 3.026

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1098781.938	ug/L	1106132.928
> 6 Li-1			956818.320	ug/L	880851.748
9 Be	0.024133	59.552	15.667	ug/L	5.000
27 Al	-3.669818	10.758	68453.525	ug/L	86162.732
44 Ca	-0.831235	31.311	9791.193	ug/L	9904.704
52 Cr	-0.197159	25.303	21114.306	ug/L	22477.629
55 Mn	-0.034275	16.522	2539.174	ug/L	2940.012
54 Fe	-7.618010	6.631	81817.275	ug/L	85794.176
57 Fe	-4.661541	14.087	9406.793	ug/L	10510.726
59 Co	0.013603	21.799	358.677	ug/L	225.337
60 Ni	-0.001137	302.240	300.859	ug/L	301.030
65 Cu	0.009155	116.262	177.063	ug/L	156.867
75 As	-0.071212	120.844	15232.496	ug/L	15258.224
82 Se	-0.338959	6.580	1063.774	ug/L	1116.599
97 Mo	0.041120	80.972	340.009	ug/L	267.006
> 72 Ge-1			1115621.278	ug/L	1107889.910
107 Ag	0.006127	90.451	160.002	ug/L	111.668
111 Cd	0.003990	25.276	79.201	ug/L	73.814
121 Sb	0.049245	17.196	534.023	ug/L	244.671
135 Ba	0.006917	100.488	111.001	ug/L	100.001
> 115 In-1			1165196.433	ug/L	1192611.893
208 Pb	0.014401	47.813	1099.705	ug/L	804.020
> 169 Tm-1			982620.488	ug/L	1062879.127
50 Cr	0.044053	56.173	-121.505	ug/L	-129.141
53 Cr	-10.210601	6.635	20152.640	ug/L	23232.149
61 Ni	-0.977022	203.806	1199.317	ug/L	1222.329
63 Cu	0.004751	311.225	129.670	ug/L	121.337
76 Se	-104.212588	13.410	-150016.158	ug/L	-145779.309
77 Se	-12.603910	9.415	8126.631	ug/L	9789.268
78 Se	-1.993141	30.035	16053.484	ug/L	16813.138
79 Br	-125.861544	14.107	81614.415	ug/L	92273.968
> 72 Ge			1115621.278	ug/L	1107889.910
108 Cd	0.019395	271.654	8.655	ug/L	6.383
114 Cd	0.015813	30.210	220.102	ug/L	156.006
109 Ag	0.006840	20.062	54.001	ug/L	35.334

Report Date/Time: Sunday, November 21, 2010 15:40:18

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Sample ID: CCB 3

>	115 In			1165196.433	ug/L	1192611.893	
[208	207.977	0.015401	53.555	581.360	ug/L	416.347
|	207 Pb		0.011966	52.239	223.337	ug/L	174.002
|	206 Pb		0.014396	40.991	295.007	ug/L	213.670
>	169 Tm			982620.488	ug/L	1062879.127	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	108.624
[Be	9	
| Al	27	
| Ca	44	
| Cr	52	
| Mn	55	
| Fe	54	
| Fe	57	
| Co	59	
| Ni	60	
| Cu	65	
| As	75	
| Se	82	
| Mo	97	
> Ge-1	72	100.698
[Ag	107	
| Cd	111	
| Sb	121	
| Ba	135	
> In-1	115	97.701
[Pb	208	
> Tm-1	169	92.449
[Cr	50	
| Cr	53	
| Ni	61	
| Cu	63	
| Se	76	
| Se	77	
| Se	78	
| Br	79	
> Ge	72	100.698
[Cd	108	
| Cd	114	
| Ag	109	
> In	115	97.701
[207.977	208	
| Pb	207	
| Pb	206	
> Tm	169	92.449

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCV 4

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 15:42:30

Method File: e:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 4.027

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	5396.195613	0.378	26568913.356	ug/L	86162.732
44 Ca	4980.662236	0.533	1083987.412	ug/L	9904.704
52 Cr	96.605067	0.263	753618.445	ug/L	22477.629
55 Mn	96.139467	0.602	1165714.424	ug/L	2940.012
59 Co	92.915527	0.936	884144.116	ug/L	225.337
60 Ni	92.811718	1.080	185175.288	ug/L	301.030
65 Cu	97.189806	0.407	198354.177	ug/L	156.867
75 As	98.175210	0.865	193521.710	ug/L	15258.224
97 Mo	194.103901	0.289	329496.198	ug/L	267.006
> 72 Ge-1			1096785.123	ug/L	1107889.910
111 Cd	99.174408	0.635	175070.038	ug/L	73.814
121 Sb	50.255745	1.048	298649.254	ug/L	244.671
> 115 In-1			1156238.403	ug/L	1192611.893
208 Pb	96.801408	1.131	2370156.667	ug/L	804.020
> 169 Tm-1			973550.024	ug/L	1062879.127
50 Cr	97.848154	1.898	18460.032	ug/L	-129.141
53 Cr	86.480842	1.476	50000.741	ug/L	23232.149
61 Ni	90.731543	2.208	4114.722	ug/L	1222.329
63 Cu	94.913382	0.672	144902.623	ug/L	121.337
> 72 Ge			1096785.123	ug/L	1107889.910
108 Cd	97.589365	0.406	11839.038	ug/L	6.383
114 Cd	99.061663	0.804	419833.836	ug/L	156.006
> 115 In			1156238.403	ug/L	1192611.893
208 207.977	96.762492	1.224	1220942.608	ug/L	416.347
207 Pb	96.539930	1.008	498911.218	ug/L	174.002
206 Pb	97.076425	1.100	650302.841	ug/L	213.670
> 169 Tm			973550.024	ug/L	1062879.127

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
|>	Ge-1	72	98.998
|	Cd	111	
|	Sb	121	
|>	In-1	115	96.950
|	Pb	208	
|>	Tm-1	169	91.596
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|>	Ge	72	98.998
|	Cd	108	
|	Cd	114	
|>	In	115	96.950
|	207.977	208	
|	Pb	207	
|	Pb	206	
|>	Tm	169	91.596

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCB 4

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 15:46:05

Method File: e:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 4.028

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	-2.396416	2.262	75057.441	ug/L	86162.732
44 Ca	-5.658647	10.339	8762.363	ug/L	9904.704
52 Cr	-0.247961	28.900	20791.583	ug/L	22477.629
55 Mn	-0.041535	5.858	2457.808	ug/L	2940.012
59 Co	0.014762	20.898	371.011	ug/L	225.337
60 Ni	-0.007815	125.471	288.142	ug/L	301.030
65 Cu	0.010176	86.916	179.769	ug/L	156.867
75 As	-0.256478	30.582	14942.004	ug/L	15258.224
97 Mo	-0.001348	694.994	267.339	ug/L	267.006
> 72 Ge-1			1119419.469	ug/L	1107889.910
111 Cd	0.004845	54.289	81.753	ug/L	73.814
121 Sb	0.023732	21.981	386.012	ug/L	244.671
> 115 In-1			1179651.477	ug/L	1192611.893
208 Pb	0.014272	17.088	1103.037	ug/L	804.020
> 169 Tm-1			988769.324	ug/L	1062879.127
50 Cr	0.135887	84.796	-104.275	ug/L	-129.141
53 Cr	-12.537601	3.909	19477.777	ug/L	23232.149
61 Ni	-3.085597	85.432	1133.617	ug/L	1222.329
63 Cu	-0.003179	161.107	117.670	ug/L	121.337
> 72 Ge			1119419.469	ug/L	1107889.910
108 Cd	0.034506	61.562	10.568	ug/L	6.383
114 Cd	0.012024	46.797	206.332	ug/L	156.006
> 115 In			1179651.477	ug/L	1192611.893
208 207.977	0.014621	13.038	574.693	ug/L	416.347
207 Pb	0.014433	13.360	237.671	ug/L	174.002
206 Pb	0.013491	30.760	290.673	ug/L	213.670
> 169 Tm			988769.324	ug/L	1062879.127

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

Report Date/Time: Sunday, November 21, 2010 15:47:26

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Sample ID: CCB 4

	Cu	65	
	As	75	
	Mo	97	
>	Ge-1	72	101.041
	Cd	111	
	Sb	121	
>	In-1	115	98.913
	Pb	208	
>	Tm-1	169	93.027
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
>	Ge	72	101.041
|	Cd	108	
|	Cd	114	
>	In	115	98.913
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	93.027

TestAmerica West Sacramen

PRODUCTION FIGURES - WET CHEM

TOTAL NUMBER	SAMPLE NUMBER	QC	RE-RUN MATRIX	RE-RUN OTHER	MISC NUMBER	TOTAL HOURS	EXPANDED DELIVERABLE
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METHOD: NJ Moisture, Percent (D2216-90) - AFCEE
 QC BATCH #: 0326455 INITIALS: DATA ENTRY:
 PREP DATE: 11/22/10 PREP _____ INITIALS _____
 COMP DATE: 11/22/10 ANAL _____ DATE _____
 USER: FRANCISF

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
L9X90-1-AM	G-0K120444-002	XX A 88 NJ 01	B	_____	ED-195-B06-S02
L9X90-1-CX	G-0K120444-002-X	XX A 88 NJ 01	B	_____	ED-195-B06-S02 DUP
L9X92-1-AM	G-0K120444-003	XX A 88 NJ 01	B	_____	ED-195-B06-S03
L9X94-1-AM	G-0K120444-004	XX A 88 NJ 01	B	_____	ED-195-B06-S04
L9X95-1-AM	G-0K120444-005	XX A 88 NJ 01	B	_____	ED-195-B06-S05
L9X96-1-AM	G-0K120444-006	XX A 88 NJ 01	B	_____	ED-195-B06-S06
L9X98-1-AM	G-0K120444-007	XX A 88 NJ 01	B	_____	ED-195-B06-S07
L92CC-1-AA	G-0K130457-001	XX A 88 NJ 01	B	_____	ED-195-B05-S01
L92CH-1-AK	G-0K130457-002	XX A 88 NJ 01	B	_____	ED-195-B05-S02
L92CJ-1-AK	G-0K130457-003	XX A 88 NJ 01	B	_____	ED-195-B05-S03
L92CK-1-AK	G-0K130457-004	XX A 88 NJ 01	B	_____	ED-195-B05-S04
L92CM-1-AK	G-0K130457-005	XX A 88 NJ 01	B	_____	ED-195-B05-S05
L92CP-1-AK	G-0K130457-006	XX A 88 NJ 01	B	_____	ED-195-B05-S06
L92CQ-1-AK	G-0K130457-007	XX A 88 NJ 01	B	_____	ED-195-B05-S07
L92L3-1-AA	G-0K130496-001	XX A 88 NJ 01	M	_____	SSAN6-08-2.0_01_BPC
L92L4-1-AA	G-0K130496-002	XX A 88 NJ 01	M	_____	SSAN6-08-3.0_01_BPC
L92L5-1-AA	G-0K130496-003	XX A 88 NJ 01	M	_____	SSAN6-08-4.0_01_BPC
L94NT-1-AA	G-0K160405-001	XX A 88 NJ 01	Y-D	_____	GPEC-FED-DRUM 1
L94N3-1-AA	G-0K160405-002	XX A 88 NJ 01	Y-D	_____	GPEC-FED-DRUM 2

Control Limits

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: BLKRECAL

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 15:46:05

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 4.028

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al			75057.441	ug/L	
44 Ca			8762.363	ug/L	
52 Cr			20791.583	ug/L	
55 Mn			2457.808	ug/L	
59 Co			371.011	ug/L	
60 Ni			288.142	ug/L	
65 Cu			179.769	ug/L	
75 As			14942.004	ug/L	
97 Mo			267.339	ug/L	
> 72 Ge-1			1119419.469	ug/L	
111 Cd			81.753	ug/L	
121 Sb			386.012	ug/L	
> 115 In-1			1179651.477	ug/L	
208 Pb			1103.037	ug/L	
> 169 Tm-1			988769.324	ug/L	
50 Cr			-104.275	ug/L	
53 Cr			19477.777	ug/L	
61 Ni			1133.617	ug/L	
63 Cu			117.670	ug/L	
> 72 Ge			1119419.469	ug/L	
108 Cd			10.568	ug/L	
114 Cd			206.332	ug/L	
> 115 In			1179651.477	ug/L	
208 207.977			574.693	ug/L	
207 Pb			237.671	ug/L	
206 Pb			290.673	ug/L	
> 169 Tm			988769.324	ug/L	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65
|	As	75
|	Mo	97
>	Ge-1	72
|	Cd	111
|	Sb	121
>	In-1	115
|	Pb	208
>	Tm-1	169
|	Cr	50
|	Cr	53
|	Ni	61
|	Cu	63
>	Ge	72
|	Cd	108
|	Cd	114
>	In	115
|	207.977	208
|	Pb	207
|	Pb	206
>	Tm	169

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: STD1RECAL

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 15:42:30

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 4.027

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	5100.000000	0.377	26568913.356	ug/L	75057.441
44 Ca	5100.000000	0.532	1083987.412	ug/L	8762.363
52 Cr	100.000000	0.262	753618.445	ug/L	20791.583
55 Mn	100.000000	0.601	1165714.424	ug/L	2457.808
59 Co	100.000000	0.936	884144.116	ug/L	371.011
60 Ni	100.000000	1.080	185175.288	ug/L	288.142
65 Cu	100.000000	0.407	198354.177	ug/L	179.769
75 As	100.000000	0.863	193521.710	ug/L	14942.004
97 Mo	200.000000	0.289	329496.198	ug/L	267.339
> 72 Ge-1			1096785.123	ug/L	1119419.469
111 Cd	100.000000	0.635	175070.038	ug/L	81.753
121 Sb	50.000000	1.048	298649.254	ug/L	386.012
> 115 In-1			1156238.403	ug/L	1179651.477
208 Pb	100.000000	1.131	2370156.667	ug/L	1103.037
> 169 Tm-1			973550.024	ug/L	988769.324
50 Cr	100.000000	1.901	18460.032	ug/L	-104.275
53 Cr	100.000000	1.289	50000.741	ug/L	19477.777
61 Ni	100.000000	2.135	4114.722	ug/L	1133.617
63 Cu	100.000000	0.672	144902.623	ug/L	117.670
> 72 Ge			1096785.123	ug/L	1119419.469
108 Cd	100.000000	0.406	11839.038	ug/L	10.568
114 Cd	100.000000	0.804	419833.836	ug/L	206.332
> 115 In			1156238.403	ug/L	1179651.477
208 207.977	100.000000	1.224	1220942.608	ug/L	574.693
207 Pb	100.000000	1.008	498911.218	ug/L	237.671
206 Pb	100.000000	1.100	650302.841	ug/L	290.673
> 169 Tm			973550.024	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65
|	As	75
|	Mo	97
↳	Ge-1	72
|	Cd	111
|	Sb	121
↳	In-1	115
|	Pb	208
↳	Tm-1	169
|	Cr	50
|	Cr	53
|	Ni	61
|	Cu	63
↳	Ge	72
|	Cd	108
|	Cd	114
↳	In	115
|	207.977	208
|	Pb	207
|	Pb	206
↳	Tm	169

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCV 5

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 15:49:39

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 5.029

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	5036.144860	1.312	26397281.502	ug/L	75057.441
44 Ca	5083.401917	0.895	1087139.459	ug/L	8762.363
52 Cr	98.659671	0.739	748360.307	ug/L	20791.583
55 Mn	98.438409	0.545	1154607.134	ug/L	2457.808
59 Co	98.717153	0.403	878229.468	ug/L	371.011
60 Ni	98.795698	1.237	184072.321	ug/L	288.142
65 Cu	99.115590	1.273	197806.491	ug/L	179.769
75 As	99.324203	0.888	193497.396	ug/L	14942.004
97 Mo	199.484871	1.407	330648.623	ug/L	267.339
> 72 Ge-1			1103585.738	ug/L	1119419.469
111 Cd	99.614622	0.624	174519.143	ug/L	81.753
121 Sb	49.672389	0.783	296910.411	ug/L	386.012
> 115 In-1			1157043.486	ug/L	1179651.477
208 Pb	99.586240	0.886	2359473.501	ug/L	1103.037
> 169 Tm-1			973148.023	ug/L	988769.324
50 Cr	98.278935	2.143	18255.211	ug/L	-104.275
53 Cr	99.484008	1.029	50150.010	ug/L	19477.777
61 Ni	98.233320	1.245	4086.671	ug/L	1133.617
63 Cu	99.332545	0.751	144822.068	ug/L	117.670
> 72 Ge			1103585.738	ug/L	1119419.469
108 Cd	100.778138	1.717	11938.044	ug/L	10.568
114 Cd	99.689158	0.475	418833.969	ug/L	206.332
> 115 In			1157043.486	ug/L	1179651.477
208 207.977	99.528932	0.886	1214764.701	ug/L	574.693
207 Pb	99.861085	1.020	498019.440	ug/L	237.671
206 Pb	99.482983	0.987	646689.360	ug/L	290.673
> 169 Tm			973148.023	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
|>	Ge-1	72	98.586
|	Cd	111	
|	Sb	121	
|>	In-1	115	98.084
|	Pb	208	
|>	Tm-1	169	98.420
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|>	Ge	72	98.586
|	Cd	108	
|	Cd	114	
|>	In	115	98.084
|	207.977	208	
|	Pb	207	
|	Pb	206	
|>	Tm	169	98.420

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCB 5

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 15:53:13

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 5.030

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	-0.398518	58.565	73170.265	ug/L	75057.441
44 Ca	0.972724	27.488	9001.363	ug/L	8762.363
52 Cr	0.165430	25.055	22099.645	ug/L	20791.583
55 Mn	0.000223	1521.623	2468.479	ug/L	2457.808
59 Co	-0.008484	13.756	295.340	ug/L	371.011
60 Ni	0.002339	491.237	293.365	ug/L	288.142
65 Cu	-0.000657	1442.196	179.081	ug/L	179.769
75 As	-0.074247	91.256	14854.704	ug/L	14942.004
97 Mo	-0.021576	59.825	231.671	ug/L	267.339
> 72 Ge-1			1123061.870	ug/L	1119419.469
111 Cd	-0.007707	94.838	67.907	ug/L	81.753
121 Sb	-0.013916	40.326	300.007	ug/L	386.012
> 115 In-1			1175954.285	ug/L	1179651.477
208 Pb	-0.006717	32.797	933.360	ug/L	1103.037
> 169 Tm-1			980051.929	ug/L	988769.324
50 Cr	-0.110441	118.895	-125.407	ug/L	-104.275
53 Cr	3.581914	19.613	20673.269	ug/L	19477.777
61 Ni	-0.588120	227.587	1119.276	ug/L	1133.617
63 Cu	-0.002041	82.949	115.003	ug/L	117.670
> 72 Ge			1123061.870	ug/L	1119419.469
108 Cd	-0.031860	63.650	6.717	ug/L	10.568
114 Cd	-0.006627	61.660	177.582	ug/L	206.332
> 115 In			1175954.285	ug/L	1179651.477
208 207.977	-0.006816	44.358	486.019	ug/L	574.693
207 Pb	-0.006031	41.447	205.337	ug/L	237.671
206 Pb	-0.007056	38.027	242.005	ug/L	290.673
> 169 Tm			980051.929	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
|>	Ge-1	72	100.325
|	Cd	111	
|	Sb	121	
|>	In-1	115	99.687
|	Pb	208	
|>	Tm-1	169	99.118
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|>	Ge	72	100.325
|	Cd	108	
|	Cd	114	
|>	In	115	99.687
|	207.977	208	
|	Pb	207	
|	Pb	206	
|>	Tm	169	99.118

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCV 6

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 16:31:42

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 6.041

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	4969.029534	1.765	25678746.386	ug/L	75057.441
44 Ca	5046.378676	1.672	1064081.153	ug/L	8762.363
52 Cr	100.032102	0.573	747808.235	ug/L	20791.583
55 Mn	99.037085	0.764	1145225.919	ug/L	2457.808
59 Co	98.142152	0.824	860752.753	ug/L	371.011
60 Ni	98.459339	0.416	180869.030	ug/L	288.142
65 Cu	99.900836	1.129	196558.465	ug/L	179.769
75 As	99.900733	1.645	191779.600	ug/L	14942.004
97 Mo	198.184910	1.248	323867.223	ug/L	267.339
> 72 Ge-1			1088034.093	ug/L	1119419.469
111 Cd	100.559314	0.478	170949.688	ug/L	81.753
121 Sb	50.134767	1.362	290772.542	ug/L	386.012
> 115 In-1			1122737.648	ug/L	1179651.477
208 Pb	99.535165	1.027	2188804.578	ug/L	1103.037
> 169 Tm-1			903223.338	ug/L	988769.324
50 Cr	101.753710	3.921	18638.644	ug/L	-104.275
53 Cr	102.283073	3.172	50309.099	ug/L	19477.777
61 Ni	101.178467	3.303	4117.395	ug/L	1133.617
63 Cu	99.644302	1.501	143221.007	ug/L	117.670
> 72 Ge			1088034.093	ug/L	1119419.469
108 Cd	101.674264	0.989	11687.825	ug/L	10.568
114 Cd	101.141430	0.631	412326.828	ug/L	206.332
> 115 In			1122737.648	ug/L	1179651.477
208	207.977 99.319989	0.944	1125102.709	ug/L	574.693
207 Pb	100.016259	1.105	462962.337	ug/L	237.671
206 Pb	99.570075	1.297	600739.531	ug/L	290.673
> 169 Tm			903223.338	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
|>	Ge-1	72	97.196
|	Cd	111	
|	Sb	121	
|>	In-1	115	95.175
|	Pb	208	
|>	Tm-1	169	91.348
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|>	Ge	72	97.196
|	Cd	108	
|	Cd	114	
|>	In	115	95.175
|	207.977	208	
|	Pb	207	
|	Pb	206	
|>	Tm	169	91.348

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCB 6

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 16:35:16

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 6.042

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	-0.953649	12.821	69322.210	ug/L	75057.441
44 Ca	1.422850	23.748	8981.000	ug/L	8762.363
52 Cr	0.159199	16.975	21770.848	ug/L	20791.583
55 Mn	0.001834	395.586	2455.808	ug/L	2457.808
59 Co	-0.011983	13.787	260.339	ug/L	371.011
60 Ni	-0.010695	62.099	265.384	ug/L	288.142
65 Cu	-0.002724	43.544	172.570	ug/L	179.769
75 As	0.157178	88.889	15081.991	ug/L	14942.004
97 Mo	-0.047551	18.543	185.669	ug/L	267.339
> 72 Ge-1			1108592.060	ug/L	1119419.469
111 Cd	-0.009066	103.177	63.908	ug/L	81.753
121 Sb	-0.021121	3.902	250.672	ug/L	386.012
> 115 In-1			1148654.965	ug/L	1179651.477
208 Pb	-0.008065	3.742	848.022	ug/L	1103.037
> 169 Tm-1			922471.115	ug/L	988769.324
50 Cr	-0.119435	57.715	-125.649	ug/L	-104.275
53 Cr	2.168034	40.132	19967.345	ug/L	19477.777
61 Ni	-0.739513	232.655	1100.267	ug/L	1133.617
63 Cu	-0.002860	137.994	112.336	ug/L	117.670
> 72 Ge			1108592.060	ug/L	1119419.469
108 Cd	-0.051730	59.127	4.199	ug/L	10.568
114 Cd	-0.011600	30.139	152.576	ug/L	206.332
> 115 In			1148654.965	ug/L	1179651.477
208 207.977	-0.007564	7.367	448.682	ug/L	574.693
207 Pb	-0.010955	20.530	170.002	ug/L	237.671
206 Pb	-0.006790	13.726	229.337	ug/L	290.673
> 169 Tm			922471.115	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
[>	Ge-1	72	99.033
[	Cd	111	
|	Sb	121	
[>	In-1	115	97.372
[	Pb	208	
[>	Tm-1	169	93.295
[	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
[>	Ge	72	99.033
[	Cd	108	
|	Cd	114	
[>	In	115	97.372
[	207.977	208	
|	Pb	207	
|	Pb	206	
[>	Tm	169	93.295

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCV 7

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 16:38:51

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 7.043

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	4920.278656	1.539	25343799.641	ug/L	75057.441
44 Ca	5051.258898	1.668	1061493.293	ug/L	8762.363
52 Cr	98.904766	1.512	737116.925	ug/L	20791.583
55 Mn	97.609254	0.970	1125029.433	ug/L	2457.808
59 Co	96.982934	2.241	847682.121	ug/L	371.011
60 Ni	97.535345	1.386	178573.454	ug/L	288.142
65 Cu	98.773118	0.911	193712.358	ug/L	179.769
75 As	99.186750	1.979	189879.815	ug/L	14942.004
97 Mo	198.710700	1.687	323644.955	ug/L	267.339
> 72 Ge-1			1084503.357	ug/L	1119419.469
111 Cd	99.797785	1.947	170904.049	ug/L	81.753
121 Sb	49.776995	1.055	290862.420	ug/L	386.012
> 115 In-1			1131166.951	ug/L	1179651.477
208 Pb	98.870324	1.300	2188229.429	ug/L	1103.037
> 169 Tm-1			909091.651	ug/L	988769.324
50 Cr	97.253662	5.552	17740.039	ug/L	-104.275
53 Cr	102.000578	0.500	50050.874	ug/L	19477.777
61 Ni	94.556226	2.146	3906.354	ug/L	1133.617
63 Cu	98.554904	1.595	141187.707	ug/L	117.670
> 72 Ge			1084503.357	ug/L	1119419.469
108 Cd	100.282125	0.809	11614.112	ug/L	10.568
114 Cd	100.144821	1.131	411304.286	ug/L	206.332
> 115 In			1131166.951	ug/L	1179651.477
208 207.977	98.601868	1.271	1124178.985	ug/L	574.693
207 Pb	99.282040	1.375	462526.163	ug/L	237.671
206 Pb	99.058488	1.330	601524.282	ug/L	290.673
> 169 Tm			909091.651	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
>	Ge-1	72	96.881
|	Cd	111	
|	Sb	121	
>	In-1	115	95.890
|	Pb	208	
>	Tm-1	169	91.942
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
>	Ge	72	96.881
|	Cd	108	
|	Cd	114	
>	In	115	95.890
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	91.942

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCB 7

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 16:42:26

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 7.044

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	-0.683021	15.186	70096.967	ug/L	75057.441
44 Ca	0.950082	115.041	8798.414	ug/L	8762.363
52 Cr	0.194747	13.247	21832.055	ug/L	20791.583
55 Mn	0.002036	36.978	2435.466	ug/L	2457.808
59 Co	-0.008777	26.722	286.340	ug/L	371.011
60 Ni	-0.004137	130.113	275.094	ug/L	288.142
65 Cu	-0.000035	5671.227	176.331	ug/L	179.769
75 As	0.174184	131.434	14973.545	ug/L	14942.004
97 Mo	-0.033962	6.475	206.337	ug/L	267.339
> 72 Ge-1			1098443.586	ug/L	1119419.469
111 Cd	-0.010648	23.340	60.309	ug/L	81.753
121 Sb	-0.020953	9.505	248.338	ug/L	386.012
> 115 In-1			1133443.420	ug/L	1179651.477
208 Pb	-0.006879	22.560	869.023	ug/L	1103.037
> 169 Tm-1			916864.133	ug/L	988769.324
50 Cr	-0.131309	46.527	-126.715	ug/L	-104.275
53 Cr	3.827165	42.928	20296.926	ug/L	19477.777
61 Ni	-1.966564	74.865	1053.244	ug/L	1133.617
63 Cu	0.002667	122.677	119.336	ug/L	117.670
> 72 Ge			1098443.586	ug/L	1119419.469
108 Cd	-0.024212	151.854	7.322	ug/L	10.568
114 Cd	-0.008049	26.584	165.076	ug/L	206.332
> 115 In			1133443.420	ug/L	1179651.477
208 207.977	-0.007432	20.312	447.349	ug/L	574.693
207 Pb	-0.006866	48.382	188.003	ug/L	237.671
206 Pb	-0.005852	15.232	233.671	ug/L	290.673
> 169 Tm			916864.133	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
|>	Ge-1	72	98.126
|	Cd	111	
|	Sb	121	
|>	In-1	115	96.083
|	Pb	208	
|>	Tm-1	169	92.728
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|>	Ge	72	98.126
|	Cd	108	
|	Cd	114	
|>	In	115	96.083
|	207.977	208	
|	Pb	207	
|	Pb	206	
|>	Tm	169	92.728

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCV 8

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 17:17:19

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 8.054

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	4939.959710	0.375	25450660.002	ug/L	75057.441
44 Ca	5050.125478	0.925	1061487.191	ug/L	8762.363
52 Cr	100.584201	0.962	749451.668	ug/L	20791.583
55 Mn	98.790263	0.847	1138797.382	ug/L	2457.808
59 Co	98.447694	1.218	860709.793	ug/L	371.011
60 Ni	98.893344	1.727	181086.054	ug/L	288.142
65 Cu	99.390477	0.697	194947.912	ug/L	179.769
75 As	99.786083	0.604	190991.013	ug/L	14942.004
97 Mo	198.854874	0.572	323957.030	ug/L	267.339
> 72 Ge-1			1084569.913	ug/L	1119419.469
111 Cd	100.596247	1.033	170647.444	ug/L	81.753
121 Sb	50.310001	0.905	291184.161	ug/L	386.012
> 115 In-1			1120388.356	ug/L	1179651.477
208 Pb	99.881355	1.546	2170951.998	ug/L	1103.037
> 169 Tm-1			892789.909	ug/L	988769.324
50 Cr	96.693469	1.946	17648.981	ug/L	-104.275
53 Cr	105.312188	3.271	51065.796	ug/L	19477.777
61 Ni	98.987039	3.015	4038.586	ug/L	1133.617
63 Cu	99.710331	1.181	142877.040	ug/L	117.670
> 72 Ge			1084569.913	ug/L	1119419.469
108 Cd	101.599663	0.898	11654.308	ug/L	10.568
114 Cd	101.069203	1.176	411155.386	ug/L	206.332
> 115 In			1120388.356	ug/L	1179651.477
208 207.977	99.579521	1.392	1114968.527	ug/L	574.693
207 Pb	100.236015	1.774	458589.473	ug/L	237.671
206 Pb	100.175958	1.679	597393.998	ug/L	290.673
> 169 Tm			892789.909	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
>	Ge-1	72	96.887
|	Cd	111	
|	Sb	121	
>	In-1	115	94.976
|	Pb	208	
>	Tm-1	169	90.293
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
>	Ge	72	96.887
|	Cd	108	
|	Cd	114	
>	In	115	94.976
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	90.293

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCB 8

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 17:20:54

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 8 .055

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	-0.744310	14.501	69955.803	ug/L	75057.441
44 Ca	0.544908	78.255	8735.326	ug/L	8762.363
52 Cr	0.167076	17.751	21683.216	ug/L	20791.583
55 Mn	-0.007293	91.570	2332.761	ug/L	2457.808
59 Co	-0.007280	10.544	300.340	ug/L	371.011
60 Ni	-0.005582	101.088	273.084	ug/L	288.142
65 Cu	-0.003442	249.492	170.083	ug/L	179.769
75 As	0.061667	54.272	14809.257	ug/L	14942.004
97 Mo	-0.040101	15.221	196.670	ug/L	267.339
> 72 Ge-1			1101200.032	ug/L	1119419.469
111 Cd	-0.005592	137.227	68.902	ug/L	81.753
121 Sb	-0.010816	29.046	307.007	ug/L	386.012
> 115 In-1			1131455.042	ug/L	1179651.477
208 Pb	-0.005248	20.062	882.024	ug/L	1103.037
> 169 Tm-1			892804.306	ug/L	988769.324
50 Cr	-0.172562	42.209	-134.670	ug/L	-104.275
53 Cr	2.121176	56.587	19821.098	ug/L	19477.777
61 Ni	-2.409186	108.817	1042.573	ug/L	1133.617
63 Cu	-0.004894	162.299	108.669	ug/L	117.670
> 72 Ge			1101200.032	ug/L	1119419.469
108 Cd	-0.032888	53.707	6.322	ug/L	10.568
114 Cd	-0.006937	31.609	169.392	ug/L	206.332
> 115 In			1131455.042	ug/L	1179651.477
208 207.977	-0.004551	30.714	468.017	ug/L	574.693
207 Pb	-0.005455	23.005	189.669	ug/L	237.671
206 Pb	-0.006397	10.136	224.337	ug/L	290.673
> 169 Tm			892804.306	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
>	Ge-1	72	98.372
|	Cd	111	
|	Sb	121	
>	In-1	115	95.914
|	Pb	208	
>	Tm-1	169	90.294
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
>	Ge	72	98.372
|	Cd	108	
|	Cd	114	
>	In	115	95.914
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	90.294

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCV 9

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 17:24:28

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 9.056

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	4863.929332	2.223	25112940.936	ug/L	75057.441
44 Ca	5004.872088	0.909	1054399.895	ug/L	8762.363
52 Cr	98.510463	1.061	736047.462	ug/L	20791.583
55 Mn	96.892493	0.706	1119462.758	ug/L	2457.808
59 Co	96.700612	0.665	847355.285	ug/L	371.011
60 Ni	96.988865	0.889	178001.966	ug/L	288.142
65 Cu	98.401097	1.172	193433.400	ug/L	179.769
75 As	98.266284	1.000	188716.142	ug/L	14942.004
97 Mo	197.200892	0.843	321977.589	ug/L	267.339
> 72 Ge-1			1087030.424	ug/L	1119419.469
111 Cd	98.896956	1.089	169294.297	ug/L	81.753
121 Sb	49.465739	1.240	288903.108	ug/L	386.012
> 115 In-1			1130612.203	ug/L	1179651.477
208 Pb	98.675261	1.567	2154489.926	ug/L	1103.037
> 169 Tm-1			896854.129	ug/L	988769.324
50 Cr	99.779770	0.790	18256.942	ug/L	-104.275
53 Cr	102.523727	1.634	50327.873	ug/L	19477.777
61 Ni	95.549229	6.194	3945.760	ug/L	1133.617
63 Cu	98.098293	1.085	140875.563	ug/L	117.670
> 72 Ge			1087030.424	ug/L	1119419.469
108 Cd	100.010147	0.760	11576.775	ug/L	10.568
114 Cd	99.332755	1.184	407772.626	ug/L	206.332
> 115 In			1130612.203	ug/L	1179651.477
208 207.977	98.508266	1.492	1107983.980	ug/L	574.693
207 Pb	98.644367	1.551	453368.596	ug/L	237.671
206 Pb	99.012491	1.730	593137.351	ug/L	290.673
> 169 Tm			896854.129	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
>	Ge-1	72	97.107
|	Cd	111	
|	Sb	121	
>	In-1	115	95.843
|	Pb	208	
>	Tm-1	169	90.704
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
>	Ge	72	97.107
|	Cd	108	
|	Cd	114	
>	In	115	95.843
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	90.704

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCB 9

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 17:28:02

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 9.057

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	-0.757259	24.018	70106.407	ug/L	75057.441
44 Ca	-0.094556	766.432	8627.179	ug/L	8762.363
52 Cr	0.195366	1.157	21961.833	ug/L	20791.583
55 Mn	-0.008548	77.845	2325.092	ug/L	2457.808
59 Co	-0.003802	47.974	332.342	ug/L	371.011
60 Ni	-0.004714	331.939	275.694	ug/L	288.142
65 Cu	-0.007404	43.014	162.608	ug/L	179.769
75 As	0.217209	62.028	15137.048	ug/L	14942.004
97 Mo	-0.034041	16.674	207.337	ug/L	267.339
> 72 Ge-1			1104744.589	ug/L	1119419.469
111 Cd	-0.001110	1177.066	77.166	ug/L	81.753
121 Sb	-0.015630	14.902	281.673	ug/L	386.012
> 115 In-1			1142060.420	ug/L	1179651.477
208 Pb	-0.005172	11.688	897.025	ug/L	1103.037
> 169 Tm-1			906340.041	ug/L	988769.324
50 Cr	-0.089484	111.990	-119.531	ug/L	-104.275
53 Cr	2.746638	18.728	20078.314	ug/L	19477.777
61 Ni	-2.127096	50.305	1054.578	ug/L	1133.617
63 Cu	-0.009201	92.764	102.669	ug/L	117.670
> 72 Ge			1104744.589	ug/L	1119419.469
108 Cd	-0.013609	148.971	8.630	ug/L	10.568
114 Cd	-0.002256	112.571	190.522	ug/L	206.332
> 115 In			1142060.420	ug/L	1179651.477
208 207.977	-0.004850	31.129	471.684	ug/L	574.693
207 Pb	-0.005441	50.244	192.670	ug/L	237.671
206 Pb	-0.005568	29.880	232.671	ug/L	290.673
> 169 Tm			906340.041	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
|>	Ge-1	72	98.689
|	Cd	111	
|	Sb	121	
|>	In-1	115	96.813
|	Pb	208	
|>	Tm-1	169	91.663
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|>	Ge	72	98.689
|	Cd	108	
|	Cd	114	
|>	In	115	96.813
|	207.977	208	
|	Pb	207	
|	Pb	206	
|>	Tm	169	91.663

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCV 10

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 18:03:06

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 10.067

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	4787.134712	1.619	24848058.296	ug/L	75057.441
44 Ca	4915.436799	0.176	1041192.246	ug/L	8762.363
52 Cr	97.086424	1.299	729478.470	ug/L	20791.583
55 Mn	95.771399	0.331	1112394.846	ug/L	2457.808
59 Co	95.163168	0.052	838293.611	ug/L	371.011
60 Ni	95.870129	1.138	176878.525	ug/L	288.142
65 Cu	97.698881	0.399	193072.644	ug/L	179.769
75 As	97.442780	1.112	188235.890	ug/L	14942.004
97 Mo	194.292987	1.053	318888.987	ug/L	267.339
> 72 Ge-1			1092722.928	ug/L	1119419.469
111 Cd	98.449330	0.929	167813.308	ug/L	81.753
121 Sb	48.944594	1.346	284646.332	ug/L	386.012
> 115 In-1			1125769.841	ug/L	1179651.477
208 Pb	97.627175	0.609	2106057.387	ug/L	1103.037
> 169 Tm-1			886020.129	ug/L	988769.324
50 Cr	95.579172	3.493	17574.023	ug/L	-104.275
53 Cr	99.085709	1.082	49534.059	ug/L	19477.777
61 Ni	94.757365	1.514	3942.751	ug/L	1133.617
63 Cu	97.280095	0.337	140447.056	ug/L	117.670
> 72 Ge			1092722.928	ug/L	1119419.469
108 Cd	98.627075	0.828	11368.079	ug/L	10.568
114 Cd	98.767500	0.799	403736.557	ug/L	206.332
> 115 In			1125769.841	ug/L	1179651.477
208 207.977	97.491960	0.790	1083397.812	ug/L	574.693
207 Pb	97.646089	0.822	443393.669	ug/L	237.671
206 Pb	97.866528	0.274	579265.907	ug/L	290.673
> 169 Tm			886020.129	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
>	Ge-1	72	97.615
|	Cd	111	
|	Sb	121	
>	In-1	115	95.432
|	Pb	208	
>	Tm-1	169	89.608
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
>	Ge	72	97.615
|	Cd	108	
|	Cd	114	
>	In	115	95.432
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	89.608

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCB 10

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 18:06:40

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 10.068

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	-0.836858	10.039	69543.600	ug/L	75057.441
44 Ca	-1.035334	70.405	8409.889	ug/L	8762.363
52 Cr	0.223065	25.217	22120.058	ug/L	20791.583
55 Mn	-0.013258	9.121	2265.403	ug/L	2457.808
59 Co	-0.004811	39.968	322.675	ug/L	371.011
60 Ni	-0.002566	699.375	279.066	ug/L	288.142
65 Cu	-0.004477	47.056	168.108	ug/L	179.769
75 As	0.083254	142.461	14864.051	ug/L	14942.004
97 Mo	-0.019499	50.902	231.004	ug/L	267.339
> 72 Ge-1			1102372.569	ug/L	1119419.469
111 Cd	-0.006213	53.111	68.014	ug/L	81.753
121 Sb	-0.016631	11.373	274.006	ug/L	386.012
> 115 In-1			1135126.252	ug/L	1179651.477
208 Pb	-0.004742	20.546	890.356	ug/L	1103.037
> 169 Tm-1			890209.164	ug/L	988769.324
50 Cr	-0.138858	59.218	-128.626	ug/L	-104.275
53 Cr	1.655370	141.890	19697.077	ug/L	19477.777
61 Ni	-0.997286	50.691	1086.260	ug/L	1133.617
63 Cu	0.001917	40.061	118.670	ug/L	117.670
> 72 Ge			1102372.569	ug/L	1119419.469
108 Cd	-0.023059	214.795	7.470	ug/L	10.568
114 Cd	-0.005426	56.789	176.249	ug/L	206.332
> 115 In			1135126.252	ug/L	1179651.477
208 207.977	-0.007711	6.654	431.348	ug/L	574.693
207 Pb	-0.004451	81.353	193.670	ug/L	237.671
206 Pb	0.000608	408.355	265.339	ug/L	290.673
> 169 Tm			890209.164	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

Report Date/Time: Monday, November 22, 2010 05:28:08

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Sample ID: CCB 10

	Cu	65	
	As	75	
	Mo	97	
>	Ge-1	72	98.477
	Cd	111	
	Sb	121	
>	In-1	115	96.226
	Pb	208	
|>	Tm-1	169	90.032
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|>	Ge	72	98.477
|	Cd	108	
|	Cd	114	
|>	In	115	96.226
|	207.977	208	
|	Pb	207	
|	Pb	206	
|>	Tm	169	90.032

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCV 11

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 18:10:14

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 11.069

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	4810.039512	2.784	24873765.270	ug/L	75057.441
44 Ca	4936.328544	1.775	1041650.205	ug/L	8762.363
52 Cr	97.296291	1.557	728337.133	ug/L	20791.583
55 Mn	96.344516	1.630	1114821.017	ug/L	2457.808
59 Co	95.932253	1.572	841900.660	ug/L	371.011
60 Ni	95.685638	1.505	175886.202	ug/L	288.142
65 Cu	96.849408	1.376	190688.296	ug/L	179.769
75 As	97.321468	1.030	187341.720	ug/L	14942.004
97 Mo	195.055272	2.283	318939.300	ug/L	267.339
> 72 Ge-1			1088813.712	ug/L	1119419.469
111 Cd	98.710237	1.314	168417.815	ug/L	81.753
121 Sb	49.202766	2.029	286402.134	ug/L	386.012
> 115 In-1			1126959.595	ug/L	1179651.477
208 Pb	98.012264	1.361	2109256.013	ug/L	1103.037
> 169 Tm-1			883965.154	ug/L	988769.324
50 Cr	100.416164	1.249	18403.401	ug/L	-104.275
53 Cr	100.455561	1.813	49771.799	ug/L	19477.777
61 Ni	95.332698	4.654	3945.090	ug/L	1133.617
63 Cu	96.805739	1.228	139242.475	ug/L	117.670
> 72 Ge			1088813.712	ug/L	1119419.469
108 Cd	98.655235	1.629	11381.726	ug/L	10.568
114 Cd	99.060896	1.951	405288.917	ug/L	206.332
> 115 In			1126959.595	ug/L	1179651.477
208 207.977	97.852841	1.259	1084801.093	ug/L	574.693
207 Pb	97.855501	1.224	443282.647	ug/L	237.671
206 Pb	98.431842	1.707	581172.273	ug/L	290.673
> 169 Tm			883965.154	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
|>	Ge-1	72	97.266
|	Cd	111	
|	Sb	121	
|>	In-1	115	95.533
|	Pb	208	
|>	Tm-1	169	89.401
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|>	Ge	72	97.266
|	Cd	108	
|	Cd	114	
|>	In	115	95.533
|	207.977	208	
|	Pb	207	
|	Pb	206	
|>	Tm	169	89.401

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCB 11

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 18:13:48

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 11.070

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	-0.865044	16.192	69828.702	ug/L	75057.441
44 Ca	-1.713321	51.497	8316.097	ug/L	8762.363
52 Cr	0.191370	31.076	22021.043	ug/L	20791.583
55 Mn	-0.002952	50.774	2400.786	ug/L	2457.808
59 Co	-0.003499	86.792	336.676	ug/L	371.011
60 Ni	-0.005712	111.038	274.959	ug/L	288.142
65 Cu	-0.004142	99.672	169.766	ug/L	179.769
75 As	0.092892	126.226	14973.372	ug/L	14942.004
97 Mo	-0.004665	290.439	257.005	ug/L	267.339
> 72 Ge-1			1109345.333	ug/L	1119419.469
111 Cd	-0.005067	21.940	70.435	ug/L	81.753
121 Sb	-0.019430	16.133	259.339	ug/L	386.012
> 115 In-1			1142898.134	ug/L	1179651.477
208 Pb	0.000243	592.901	998.031	ug/L	1103.037
> 169 Tm-1			889945.911	ug/L	988769.324
50 Cr	-0.046640	334.522	-111.858	ug/L	-104.275
53 Cr	2.742046	16.342	20161.056	ug/L	19477.777
61 Ni	-2.969569	72.628	1033.235	ug/L	1133.617
63 Cu	-0.007936	30.067	105.002	ug/L	117.670
> 72 Ge			1109345.333	ug/L	1119419.469
108 Cd	-0.011428	392.260	8.927	ug/L	10.568
114 Cd	-0.003340	156.542	186.126	ug/L	206.332
> 115 In			1142898.134	ug/L	1179651.477
208 207.977	0.001116	255.362	529.689	ug/L	574.693
207 Pb	-0.003344	85.448	198.670	ug/L	237.671
206 Pb	0.001354	161.548	269.672	ug/L	290.673
> 169 Tm			889945.911	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
>	Ge-1	72	99.100
|	Cd	111	
|	Sb	121	
>	In-1	115	96.884
|	Pb	208	
>	Tm-1	169	90.005
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
>	Ge	72	99.100
|	Cd	108	
|	Cd	114	
>	In	115	96.884
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	90.005

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: ICSA

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 18:17:22

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\ICSA .071

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 2

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	89396.543430	0.762	405953438.611	ug/L	75057.441
44 Ca	92355.876176	0.316	17027600.291	ug/L	8762.363
52 Cr	2.343622	2.166	32821.424	ug/L	20791.583
55 Mn	6.350161	0.514	66665.042	ug/L	2457.808
59 Co	1.664643	0.211	13175.626	ug/L	371.011
60 Ni	1.579996	7.355	2800.584	ug/L	288.142
65 Cu	-0.750551	4.352	-1145.978	ug/L	179.769
75 As	0.841847	31.545	14109.491	ug/L	14942.004
97 Mo	1970.270994	0.790	2834780.729	ug/L	267.339
> 72 Ge-1			958557.244	ug/L	1119419.469
111 Cd	0.978958	13.718	1463.695	ug/L	81.753
121 Sb	0.188352	6.856	1226.452	ug/L	386.012
> 115 In-1			944102.172	ug/L	1179651.477
208 Pb	0.485700	2.099	10906.596	ug/L	1103.037
> 169 Tm-1			843057.332	ug/L	988769.324
50 Cr	274.738824	2.098	44485.570	ug/L	-104.275
53 Cr	5.543166	11.602	18176.399	ug/L	19477.777
61 Ni	24.675186	7.423	1618.577	ug/L	1133.617
63 Cu	3.635318	1.694	4700.857	ug/L	117.670
> 72 Ge			958557.244	ug/L	1119419.469
108 Cd	54.631762	3.249	5284.630	ug/L	10.568
114 Cd	3.487633	3.430	12115.436	ug/L	206.332
> 115 In			944102.172	ug/L	1179651.477
208 207.977	0.487038	2.849	5638.165	ug/L	574.693
207 Pb	0.511867	2.570	2413.458	ug/L	237.671
206 Pb	0.463115	0.454	2854.974	ug/L	290.673
> 169 Tm			843057.332	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
|>	Ge-1	72	85.630
|	Cd	111	
|	Sb	121	
|>	In-1	115	80.032
|	Pb	208	
|>	Tm-1	169	85.263
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|>	Ge	72	85.630
|	Cd	108	
|	Cd	114	
|>	In	115	80.032
|	207.977	208	
|	Pb	207	
|	Pb	206	
|>	Tm	169	85.263

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: ICSAB

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 18:20:54

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\ICSAB.072

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 1

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	91148.176244	1.051	412219387.424	ug/L	75057.441
44 Ca	91800.678373	0.712	16856456.405	ug/L	8762.363
52 Cr	98.462172	1.238	641083.521	ug/L	20791.583
55 Mn	98.416729	1.526	997942.098	ug/L	2457.808
59 Co	94.422100	1.609	726522.243	ug/L	371.011
60 Ni	91.532839	1.607	147471.392	ug/L	288.142
65 Cu	85.398692	1.366	147410.429	ug/L	179.769
75 As	99.323003	1.812	163527.661	ug/L	14942.004
97 Mo	2127.384102	1.492	3048229.914	ug/L	267.339
> 72 Ge-1			954715.764	ug/L	1119419.469
111 Cd	97.496207	0.763	140706.823	ug/L	81.753
121 Sb	51.547449	0.504	253759.499	ug/L	386.012
> 115 In-1			953260.159	ug/L	1179651.477
208 Pb	101.497476	1.253	2176932.691	ug/L	1103.037
> 169 Tm-1			881010.252	ug/L	988769.324
50 Cr	373.393304	2.747	60234.716	ug/L	-104.275
53 Cr	143.472980	1.247	55218.777	ug/L	19477.777
61 Ni	155.135532	2.965	5023.883	ug/L	1133.617
63 Cu	126.913556	1.708	160030.593	ug/L	117.670
> 72 Ge			954715.764	ug/L	1119419.469
108 Cd	196.180291	2.178	19138.076	ug/L	10.568
114 Cd	96.488835	0.742	479301.302	ug/L	206.332
> 115 In			953260.159	ug/L	1179651.477
208 207.977	138.096496	1.182	1525790.771	ug/L	574.693
207 Pb	141.241646	1.244	637661.635	ug/L	237.671
206 Pb	140.789712	1.408	828509.836	ug/L	290.673
> 169 Tm			881010.252	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
>	Ge-1	72	85.287
|	Cd	111	
|	Sb	121	
>	In-1	115	80.809
|	Pb	208	
>	Tm-1	169	89.102
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
>	Ge	72	85.287
|	Cd	108	
|	Cd	114	
>	In	115	80.809
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	89.102

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCV 12

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 18:28:07

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 12.073

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	4704.946337	1.620	24979617.514	ug/L	75057.441
44 Ca	4885.711579	1.370	1058420.423	ug/L	8762.363
52 Cr	96.392075	0.123	740950.914	ug/L	20791.583
55 Mn	96.816820	0.771	1149988.279	ug/L	2457.808
59 Co	96.366880	1.343	868127.439	ug/L	371.011
60 Ni	96.840968	0.638	182726.991	ug/L	288.142
65 Cu	97.226122	0.665	196502.731	ug/L	179.769
75 As	98.334733	1.499	194139.446	ug/L	14942.004
97 Mo	195.907509	1.008	328848.226	ug/L	267.339
> 72 Ge-1			1117570.700	ug/L	1119419.469
111 Cd	99.242826	0.090	174625.172	ug/L	81.753
121 Sb	49.160411	0.554	295133.861	ug/L	386.012
> 115 In-1			1162050.298	ug/L	1179651.477
208 Pb	97.363568	0.934	2261841.050	ug/L	1103.037
> 169 Tm-1			954143.499	ug/L	988769.324
50 Cr	92.239197	1.449	17344.379	ug/L	-104.275
53 Cr	104.845838	3.603	52482.857	ug/L	19477.777
61 Ni	102.813608	4.141	4280.031	ug/L	1133.617
63 Cu	97.361517	0.857	143748.391	ug/L	117.670
> 72 Ge			1117570.700	ug/L	1119419.469
108 Cd	100.446292	0.255	11951.363	ug/L	10.568
114 Cd	99.156176	0.191	418405.581	ug/L	206.332
> 115 In			1162050.298	ug/L	1179651.477
208 207.977	97.062924	1.170	1161564.070	ug/L	574.693
207 Pb	97.767049	0.875	478076.642	ug/L	237.671
206 Pb	97.618482	0.959	622200.338	ug/L	290.673
> 169 Tm			954143.499	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
>	Ge-1	72	99.835
|	Cd	111	
|	Sb	121	
>	In-1	115	98.508
|	Pb	208	
>	Tm-1	169	96.498
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
>	Ge	72	99.835
|	Cd	108	
|	Cd	114	
>	In	115	98.508
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	96.498

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCB 12

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 18:31:41

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 12.074

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	0.687112	72.488	79147.333	ug/L	75057.441
44 Ca	-4.063646	27.463	7933.277	ug/L	8762.363
52 Cr	0.094551	7.702	21626.020	ug/L	20791.583
55 Mn	-0.000491	1458.290	2466.812	ug/L	2457.808
59 Co	-0.003328	19.633	343.009	ug/L	371.011
60 Ni	0.003630	369.445	296.740	ug/L	288.142
65 Cu	-0.002704	275.358	175.279	ug/L	179.769
75 As	0.393959	32.248	15754.130	ug/L	14942.004
97 Mo	0.107892	22.484	451.016	ug/L	267.339
> 72 Ge-1			1126024.219	ug/L	1119419.469
111 Cd	-0.003117	351.548	75.301	ug/L	81.753
121 Sb	-0.022838	14.730	244.338	ug/L	386.012
> 115 In-1			1166619.653	ug/L	1179651.477
208 Pb	-0.002986	82.705	981.696	ug/L	1103.037
> 169 Tm-1			941179.376	ug/L	988769.324
50 Cr	-0.063836	237.724	-116.920	ug/L	-104.275
53 Cr	8.414155	4.859	22263.186	ug/L	19477.777
61 Ni	1.926578	84.118	1199.984	ug/L	1133.617
63 Cu	-0.001108	772.570	116.670	ug/L	117.670
> 72 Ge			1126024.219	ug/L	1119419.469
108 Cd	-0.071820	60.721	1.890	ug/L	10.568
114 Cd	-0.002540	156.058	193.361	ug/L	206.332
> 115 In			1166619.653	ug/L	1179651.477
208 207.977	-0.004242	29.629	497.019	ug/L	574.693
207 Pb	-0.003005	126.154	211.670	ug/L	237.671
206 Pb	-0.000614	1053.713	273.006	ug/L	290.673
> 169 Tm			941179.376	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
|>	Ge-1	72	100.590
|	Cd	111	
|	Sb	121	
|>	In-1	115	98.895
|	Pb	208	
|>	Tm-1	169	95.187
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|>	Ge	72	100.590
|	Cd	108	
|	Cd	114	
|>	In	115	98.895
|	207.977	208	
|	Pb	207	
|	Pb	206	
|>	Tm	169	95.187

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCV 13

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 18:35:17

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 13.075

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 7

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	4650.796843	0.937	24804457.252	ug/L	75057.441
44 Ca	4849.482592	0.172	1055439.548	ug/L	8762.363
52 Cr	95.782951	0.455	739682.315	ug/L	20791.583
55 Mn	95.755957	1.033	1142589.627	ug/L	2457.808
59 Co	95.735964	0.829	866354.386	ug/L	371.011
60 Ni	96.283195	0.044	182502.456	ug/L	288.142
65 Cu	97.991697	0.625	198943.245	ug/L	179.769
75 As	99.173229	0.427	196561.734	ug/L	14942.004
97 Mo	198.493857	0.649	334697.938	ug/L	267.339
> 72 Ge-1			1122591.585	ug/L	1119419.469
111 Cd	99.747716	0.836	174518.921	ug/L	81.753
121 Sb	49.493668	0.835	295443.353	ug/L	386.012
> 115 In-1			1155484.853	ug/L	1179651.477
208 Pb	98.304883	0.426	2206187.943	ug/L	1103.037
> 169 Tm-1			921748.272	ug/L	988769.324
50 Cr	95.296958	1.483	18000.395	ug/L	-104.275
53 Cr	99.048957	1.673	50876.224	ug/L	19477.777
61 Ni	97.370510	2.262	4130.417	ug/L	1133.617
63 Cu	97.089376	1.352	143989.615	ug/L	117.670
> 72 Ge			1122591.585	ug/L	1119419.469
108 Cd	101.300750	0.899	11984.191	ug/L	10.568
114 Cd	99.858517	1.064	418970.822	ug/L	206.332
> 115 In			1155484.853	ug/L	1179651.477
208 207.977	98.140112	0.237	1134599.551	ug/L	574.693
207 Pb	98.782667	0.329	466654.425	ug/L	237.671
206 Pb	98.247694	0.935	604933.967	ug/L	290.673
> 169 Tm			921748.272	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
>	Ge-1	72	100.283
|	Cd	111	
|	Sb	121	
>	In-1	115	97.951
|	Pb	208	
>	Tm-1	169	93.222
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
>	Ge	72	100.283
|	Cd	108	
|	Cd	114	
>	In	115	97.951
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	93.222

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCB 13

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 18:38:53

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 13.076

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 8

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	-2.806830	3.631	61534.104	ug/L	75057.441
44 Ca	-5.231219	10.376	7809.123	ug/L	8762.363
52 Cr	0.036296	55.259	21538.724	ug/L	20791.583
55 Mn	0.013251	28.256	2674.229	ug/L	2457.808
59 Co	-0.015472	7.402	236.671	ug/L	371.011
60 Ni	-0.051201	5.755	195.845	ug/L	288.142
65 Cu	0.004669	74.517	193.500	ug/L	179.769
75 As	0.303240	25.642	15845.145	ug/L	14942.004
97 Mo	-0.005049	233.502	264.672	ug/L	267.339
> 72 Ge-1			1144689.620	ug/L	1119419.469
111 Cd	-0.012560	40.882	58.822	ug/L	81.753
121 Sb	-0.028896	10.190	208.337	ug/L	386.012
> 115 In-1			1169650.204	ug/L	1179651.477
208 Pb	-0.011918	4.481	765.018	ug/L	1103.037
> 169 Tm-1			926681.167	ug/L	988769.324
50 Cr	-0.111298	55.328	-128.198	ug/L	-104.275
53 Cr	6.975231	16.935	22167.941	ug/L	19477.777
61 Ni	1.351742	163.217	1201.652	ug/L	1133.617
63 Cu	-0.003082	64.792	115.670	ug/L	117.670
> 72 Ge			1144689.620	ug/L	1119419.469
108 Cd	-0.069191	26.060	2.199	ug/L	10.568
114 Cd	-0.013514	20.717	147.210	ug/L	206.332
> 115 In			1169650.204	ug/L	1179651.477
208 207.977	-0.010726	7.433	414.013	ug/L	574.693
207 Pb	-0.013848	3.864	157.002	ug/L	237.671
206 Pb	-0.012674	17.827	194.003	ug/L	290.673
> 169 Tm			926681.167	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

Report Date/Time: Monday, November 22, 2010 05:28:28

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Sample ID: CCB 13

	Cu	65	
	As	75	
	Mo	97	
>	Ge-1	72	102.257
	Cd	111	
	Sb	121	
>	In-1	115	99.152
	Pb	208	
|>	Tm-1	169	93.721
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|>	Ge	72	102.257
|	Cd	108	
|	Cd	114	
|>	In	115	99.152
|	207.977	208	
|	Pb	207	
|	Pb	206	
|>	Tm	169	93.721

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCV 14

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 19:03:23

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 14.083

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 7

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	4640.375506	1.480	24009557.302	ug/L	75057.441
44 Ca	4919.722629	0.805	1038610.547	ug/L	8762.363
52 Cr	96.397734	0.687	722100.429	ug/L	20791.583
55 Mn	95.488186	0.580	1105391.474	ug/L	2457.808
59 Co	94.743737	0.568	831814.842	ug/L	371.011
60 Ni	95.245574	0.333	175154.309	ug/L	288.142
65 Cu	98.468576	0.990	193941.800	ug/L	179.769
75 As	97.765258	0.980	188190.097	ug/L	14942.004
97 Mo	196.070811	0.961	320746.282	ug/L	267.339
> 72 Ge-1			1089122.744	ug/L	1119419.469
111 Cd	99.415853	1.511	167410.523	ug/L	81.753
121 Sb	49.365783	1.589	283626.156	ug/L	386.012
> 115 In-1			1112250.476	ug/L	1179651.477
208 Pb	99.126552	1.406	2078338.004	ug/L	1103.037
> 169 Tm-1			861220.586	ug/L	988769.324
50 Cr	95.386967	0.936	17480.661	ug/L	-104.275
53 Cr	99.798763	3.426	49591.472	ug/L	19477.777
61 Ni	94.999102	0.858	3937.075	ug/L	1133.617
63 Cu	96.858023	0.997	139367.559	ug/L	117.670
> 72 Ge			1089122.744	ug/L	1119419.469
108 Cd	101.417473	1.846	11547.999	ug/L	10.568
114 Cd	100.342795	1.737	405204.371	ug/L	206.332
> 115 In			1112250.476	ug/L	1179651.477
208 207.977	98.956484	1.101	1068819.982	ug/L	574.693
207 Pb	99.341067	1.541	438419.818	ug/L	237.671
206 Pb	99.281284	1.875	571098.204	ug/L	290.673
> 169 Tm			861220.586	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
>	Ge-1	72	97.294
|	Cd	111	
|	Sb	121	
>	In-1	115	94.286
|	Pb	208	
>	Tm-1	169	87.100
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
>	Ge	72	97.294
|	Cd	108	
|	Cd	114	
>	In	115	94.286
|	207.977	208	
|	Pb	207	
|	Pb	206	
>	Tm	169	87.100

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCB 14

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 19:06:59

Method File: E:\elandata\Method\0322434b.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 14.084

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 8

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
27 Al	-3.093785	3.762	58292.114	ug/L	75057.441
44 Ca	-3.458645	18.448	7968.654	ug/L	8762.363
52 Cr	0.163120	11.041	21876.873	ug/L	20791.583
55 Mn	0.009032	51.846	2549.177	ug/L	2457.808
59 Co	-0.013950	17.290	243.671	ug/L	371.011
60 Ni	-0.045102	13.354	201.793	ug/L	288.142
65 Cu	0.012252	63.829	203.275	ug/L	179.769
75 As	0.306314	42.399	15406.543	ug/L	14942.004
97 Mo	-0.036352	9.626	205.003	ug/L	267.339
> 72 Ge-1			1112545.814	ug/L	1119419.469
111 Cd	-0.012804	16.737	56.373	ug/L	81.753
121 Sb	-0.024281	17.493	228.004	ug/L	386.012
> 115 In-1			1129514.128	ug/L	1179651.477
208 Pb	-0.009306	3.463	773.351	ug/L	1103.037
> 169 Tm-1			869820.009	ug/L	988769.324
50 Cr	-0.073510	75.435	-117.473	ug/L	-104.275
53 Cr	5.763937	27.413	21164.786	ug/L	19477.777
61 Ni	1.035157	137.936	1158.295	ug/L	1133.617
63 Cu	0.013880	15.778	137.337	ug/L	117.670
> 72 Ge			1112545.814	ug/L	1119419.469
108 Cd	-0.062571	69.796	2.902	ug/L	10.568
114 Cd	-0.015567	20.681	133.775	ug/L	206.332
> 115 In			1129514.128	ug/L	1179651.477
208 207.977	-0.010199	4.989	394.346	ug/L	574.693
207 Pb	-0.008099	27.415	173.002	ug/L	237.671
206 Pb	-0.008554	29.192	206.003	ug/L	290.673
> 169 Tm			869820.009	ug/L	988769.324

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Al	27	
Ca	44	
Cr	52	
Mn	55	
Co	59	
Ni	60	

|	Cu	65	
|	As	75	
|	Mo	97	
|>	Ge-1	72	99.386
|	Cd	111	
|	Sb	121	
|>	In-1	115	95.750
|	Pb	208	
|>	Tm-1	169	87.970
|	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|>	Ge	72	99.386
|	Cd	108	
|	Cd	114	
|>	In	115	95.750
|	207.977	208	
|	Pb	207	
|	Pb	206	
|>	Tm	169	87.970

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCV 15

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 19:10:36

Method File: E:\elandata\Method\0322434c.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 15.085

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 7

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

	Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
[	44 Ca	5428.928516	2.576	1205275.914	ug/L	8762.363
|	55 Mn	98.811663	3.358	1203553.267	ug/L	2457.808
|	75 As	95.680608	3.412	194136.388	ug/L	14942.004
72 Ge-1			1146855.583	ug/L	1119419.469	

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
[	Ca	44	
|	Mn	55	
|	As	75	
Ge-1	72	102.451	

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCB 15

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 19:13:15

Method File: E:\elandata\Method\0322434c.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 15.086

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 8

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

	Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
[	44 Ca	13.122036	7.980	12100.828	ug/L	8762.363
|	55 Mn	0.026538	11.802	2896.326	ug/L	2457.808
|	75 As	-0.002448	3951.492	15601.985	ug/L	14942.004
[>	72 Ge-1			1169360.735	ug/L	1119419.469

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
[	Ca	44	
|	Mn	55	
|	As	75	
[>	Ge-1	72	104.461

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCV 16

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 19:15:54

Method File: E:\elandata\Method\0322434c.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 16.087

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 7

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
[44 Ca	5357.468720	2.965	1195666.181	ug/L	8762.363
| 55 Mn	98.358354	3.067	1204388.211	ug/L	2457.808
| 75 As	95.642395	2.933	195101.952	ug/L	14942.004
[> 72 Ge-1			1152599.238	ug/L	1119419.469

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
[Ca	44	
| Mn	55	
| As	75	
[> Ge-1	72	102.964

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: CCB 16

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 19:18:32

Method File: E:\elandata\Method\0322434c.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 16.088

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 8

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
[44 Ca	12.689615	10.609	12221.391	ug/L	8762.363
| 55 Mn	0.022186	16.593	2894.325	ug/L	2457.808
| 75 As	0.066106	853.988	16002.322	ug/L	14942.004
		1190961.518	ug/L	1119419.469	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
[Ca	44	
| Mn	55	
| As	75	
72	106.391	

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: L94MP

Sample Description: GOK160437-1

Batch ID: 322435

Sample Date/Time: Sunday, November 21, 2010 19:21:05

Method File: E:\elandata\Method\0322434c.mth

Dataset File: E:\elandata\Dataset\101121a2\L94MP.089

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 48

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
[44 Ca	5815.979661	0.306	1310092.027	ug/L	8762.363
| 55 Mn	1412.415477	1.091	17431841.013	ug/L	2457.808
| 75 As	1.123731	22.537	17660.482	ug/L	14942.004
		1163525.456	ug/L	1119419.469	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
[Ca	44	
| Mn	55	
| As	75	
72	103.940	

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: L94MPP5

Sample Description: G0K160437-1 5X

Batch ID: 322435

Sample Date/Time: Sunday, November 21, 2010 19:23:38

Method File: E:\elandata\Method\0322434c.mth

Dataset File: E:\elandata\Dataset\101121a2\L94MPP5.090

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 49

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
[44 Ca	1159.575764	1.282	280129.946	ug/L	8762.363
| 55 Mn	280.731885	1.396	3617149.147	ug/L	2457.808
| 75 As	0.238954	108.957	16675.248	ug/L	14942.004
		1214066.578	ug/L	1119419.469	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
[Ca	44	
| Mn	55	
| As	75	
72	108.455	

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: L94MPZ

Sample Description: G0K160437-1 PS

Batch ID: 322435

Sample Date/Time: Sunday, November 21, 2010 19:26:10

Method File: E:\elandata\Method\0322434c.mth

Dataset File: E:\elandata\Dataset\101121a2\L94MPZ.091

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 50

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
[44 Ca	6406.184189	1.869	1453830.732	ug/L	8762.363
| 55 Mn	1506.354913	2.059	18742228.017	ug/L	2457.808
| 75 As	180.099830	2.527	360159.220	ug/L	14942.004
[> 72 Ge-1			1173413.272	ug/L	1119419.469

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
[Ca	44	
| Mn	55	
| As	75	
[> Ge-1	72	104.823

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: L94M4

Sample Description: G0K160437-2

Batch ID: 322435

Sample Date/Time: Sunday, November 21, 2010 19:28:43

Method File: E:\elandata\Method\0322434c.mth

Dataset File: E:\elandata\Dataset\101121a2\L94M4.092

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 51

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

	Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
[	44 Ca	4291.421220	1.682	914824.469	ug/L	8762.363
|	55 Mn	93.947745	1.508	1096900.645	ug/L	2457.808
|	75 As	0.485230	28.501	15530.377	ug/L	14942.004
72 Ge-1			1098535.040	ug/L	1119419.469	

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
[	Ca	44	
|	Mn	55	
|	As	75	
Ge-1	72	98.134	

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: L94M7

Sample Description: GOK160437-3

Batch ID: 322435

Sample Date/Time: Sunday, November 21, 2010 19:31:16

Method File: E:\elandata\Method\0322434c.mth

Dataset File: E:\elandata\Dataset\101121a2\L94M7.093

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 52

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
[44 Ca	3234.023667	3.981	725912.322	ug/L	8762.363
| 55 Mn	1400.091181	4.309	17123314.847	ug/L	2457.808
| 75 As	0.555501	70.172	16433.956	ug/L	14942.004
[> 72 Ge-1			1153932.540	ug/L	1119419.469

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
[Ca	44	
| Mn	55	
| As	75	
[> Ge-1	72	103.083

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: L94M9

Sample Description: G0K160437-4

Batch ID: 322435

Sample Date/Time: Sunday, November 21, 2010 19:33:49

Method File: E:\elandata\Method\0322434c.mth

Dataset File: E:\elandata\Dataset\101121a2\L94M9.094

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 53

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
[44 Ca	4152.824339	1.778	943022.260	ug/L	8762.363
| 55 Mn	217.207798	2.047	2697051.553	ug/L	2457.808
| 75 As	0.612382	23.781	16780.757	ug/L	14942.004
[> 72 Ge-1			1169827.741	ug/L	1119419.469

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
[Ca	44	
| Mn	55	
| As	75	
[> Ge-1	72	104.503

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT
SOP No. SAC-MT-0001
Analyst: SHargrave

Sample ID: CCV 17

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 19:36:28

Method File: E:\elandata\Method\0322434c.mth

Dataset File: E:\elandata\Dataset\101121a2\CCV 17.095

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 7

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
[44 Ca	5449.913035	2.193	1200175.849	ug/L	8762.363
| 55 Mn	99.055010	2.551	1196916.019	ug/L	2457.808
| 75 As	95.417430	3.108	192092.505	ug/L	14942.004
		1137353.004	ug/L	1119419.469	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
[Ca	44	
| Mn	55	
| As	75	
72	101.602	

TAL-W.SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M02 - Method 6020,200.8 - QUANTITATIVE ANALYSIS REPORT

SOP No. SAC-MT-0001

Analyst: SHargrave

Sample ID: CCB 17

Sample Description:

Batch ID:

Sample Date/Time: Sunday, November 21, 2010 19:39:07

Method File: E:\elandata\Method\0322434c.mth

Dataset File: E:\elandata\Dataset\101121a2\CCB 17.096

Tuning File: e:\elandata\Tuning\default.tun

Optimization File: e:\elandata\Optimize\default.dac

Autosampler Position: 8

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
[44 Ca	14.431890	2.467	12254.455	ug/L	8762.363
| 55 Mn	0.062773	18.388	3307.527	ug/L	2457.808
| 75 As	-0.085229	193.433	15267.432	ug/L	14942.004
[> 72 Ge-1			1155903.042	ug/L	1119419.469

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
[Ca	44	
| Mn	55	
| As	75	
[> Ge-1	72	103.259

Method: 6020 (SOP: SAC-MT-001)

Instrument: M02

Reported: 11/22/10 08:01:45

File ID: 101121A2

Analyst: hargraves

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
1	Rinse 2X				2.0	11/21/10 13:53	<input type="checkbox"/>
2	Blank				1.0	11/21/10 13:58	<input type="checkbox"/>
3	Standard1				1.0	11/21/10 14:02	<input type="checkbox"/>
4	ICV				1.0	11/21/10 14:06	<input type="checkbox"/>
5	ICB				1.0	11/21/10 14:10	<input type="checkbox"/>
6	LLSTD1				1.0	11/21/10 14:16	<input type="checkbox"/>
7	LLSTD2				1.0	11/21/10 14:20	<input type="checkbox"/>
8	ICSA				1.0	11/21/10 14:30	<input type="checkbox"/>
9	ICSAB				1.0	11/21/10 14:34	<input type="checkbox"/>
10	Rinse				1.0	11/21/10 14:41	<input type="checkbox"/>
11	CCV 1				1.0	11/21/10 14:49	<input type="checkbox"/>
12	CCB 1				1.0	11/21/10 14:53	<input type="checkbox"/>
15	CCV 2				1.0	11/21/10 14:57	<input type="checkbox"/>
16	CCB 2				1.0	11/21/10 15:01	<input type="checkbox"/>
17	L9PGPB	G0K080000	0312269	2A	1.0	11/21/10 15:06	<input type="checkbox"/>
18	L93G4B	G0K150000	0319271	2A	1.0	11/21/10 15:10	<input type="checkbox"/>
19	L93HEC	G0K150000	0319273	2A	1.0	11/21/10 15:14	<input type="checkbox"/>
20	L93GPL	G0K150000	0319268	2A	1.0	11/21/10 15:18	<input type="checkbox"/>
21	L99FXB	G0K180000	0322434	2A	1.0	11/21/10 15:22	<input type="checkbox"/>
22	L99F3C	G0K180000	0322436	2A	1.0	11/21/10 15:26	<input type="checkbox"/>
23	L99F1L	G0K180000	0322435	2A	1.0	11/21/10 15:30	<input type="checkbox"/>
24	CCV 3				1.0	11/21/10 15:34	<input type="checkbox"/>
25	CCB 3				1.0	11/21/10 15:38	<input type="checkbox"/>
26	CCV 4				1.0	11/21/10 15:42	<input type="checkbox"/>
27	CCB 4				1.0	11/21/10 15:46	<input type="checkbox"/>
30	CCV 5				1.0	11/21/10 15:49	<input type="checkbox"/>
31	CCB 5				1.0	11/21/10 15:53	<input type="checkbox"/>
32	L9PGPC	G0K080000	0312269	2A	1.0	11/21/10 15:56	<input type="checkbox"/>
33	L9PGPL	G0K080000	0312269	2A	1.0	11/21/10 16:00	<input type="checkbox"/>
34	L9DNC	G0K010418-1	0312269	2A	1.0	11/21/10 16:03	<input type="checkbox"/>
35	L9DNCP5	G0K010418	0312269		5.0	11/21/10 16:07	<input type="checkbox"/>
36	L9DNCZ	G0K010418-1	0312269		1.0	11/21/10 16:10	<input type="checkbox"/>
37	L9DNK	G0K010418-2	0312269	2A	1.0	11/21/10 16:14	<input type="checkbox"/>
38	L9DNM	G0K010418-3	0312269	2A	1.0	11/21/10 16:17	<input type="checkbox"/>
39	L9DNN	G0K010418-4	0312269	2A	1.0	11/21/10 16:21	<input type="checkbox"/>
40	L9DNR	G0K010418-5	0312269	2A	1.0	11/21/10 16:24	<input type="checkbox"/>
41	L9DNT	G0K010418-6	0312269	2A	1.0	11/21/10 16:28	<input type="checkbox"/>
42	CCV 6				1.0	11/21/10 16:31	<input type="checkbox"/>
43	CCB 6				1.0	11/21/10 16:35	<input type="checkbox"/>
44	CCV 7				1.0	11/21/10 16:38	<input type="checkbox"/>
45	CCB 7				1.0	11/21/10 16:42	<input type="checkbox"/>
46	L9RFH	G0K090544-1	0319268	2A	1.0	11/21/10 16:45	<input type="checkbox"/>
47	L9RFHP5	G0K090544	0319268		5.0	11/21/10 16:49	<input type="checkbox"/>
48	L9RFHZ	G0K090544-1	0319268		1.0	11/21/10 16:52	<input type="checkbox"/>
49	L9RFJ	G0K090544-2	0319268	2A	1.0	11/21/10 16:56	<input type="checkbox"/>
50	L9RFK	G0K090544-3	0319268	2A	1.0	11/21/10 16:59	<input type="checkbox"/>

TAL West Sac

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)	Instrument: M02	Reported: 11/22/10 08:01:45
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File ID: 101121A2

Analyst: hargraves

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
51	L9RFL	G0K090544-4	0319268	2A	1.0	11/21/10 17:03	<input type="checkbox"/>
52	L9RFM	G0K090544-5	0319268	2A	1.0	11/21/10 17:06	<input type="checkbox"/>
53	L9RFN	G0K090544-6	0319268	2A	1.0	11/21/10 17:10	<input type="checkbox"/>
54	L9RFP	G0K090544-7	0319268	2A	1.0	11/21/10 17:13	<input type="checkbox"/>
55	CCV 8				1.0	11/21/10 17:17	<input type="checkbox"/>
56	CCB 8				1.0	11/21/10 17:20	<input type="checkbox"/>
57	CCV 9				1.0	11/21/10 17:24	<input type="checkbox"/>
58	CCB 9				1.0	11/21/10 17:28	<input type="checkbox"/>
59	L90TF	G0K120496-1	0322434	2A	1.0	11/21/10 17:31	<input type="checkbox"/>
60	L90TFP5	G0K120496	0322434		5.0	11/21/10 17:35	<input type="checkbox"/>
61	L90TFZ	G0K120496-1	0322434		1.0	11/21/10 17:38	<input type="checkbox"/>
62	L90TJ	G0K120496-2	0322434	2A	1.0	11/21/10 17:42	<input type="checkbox"/>
63	L90TK	G0K120496-3	0322434	2A	1.0	11/21/10 17:45	<input type="checkbox"/>
64	L90TL	G0K120496-4	0322434	2A	1.0	11/21/10 17:49	<input type="checkbox"/>
65	L90TM	G0K120496-5	0322434	2A	1.0	11/21/10 17:52	<input type="checkbox"/>
66	L90TN	G0K120496-6	0322434	2A	1.0	11/21/10 17:56	<input type="checkbox"/>
67	L90TP	G0K120496-7	0322434	2A	1.0	11/21/10 17:59	<input type="checkbox"/>
68	CCV 10				1.0	11/21/10 18:03	<input type="checkbox"/>
69	CCB 10				1.0	11/21/10 18:06	<input type="checkbox"/>
70	CCV 11				1.0	11/21/10 18:10	<input type="checkbox"/>
71	CCB 11				1.0	11/21/10 18:13	<input type="checkbox"/>
72	ICSA				1.0	11/21/10 18:17	<input type="checkbox"/>
73	ICSAB				1.0	11/21/10 18:20	<input type="checkbox"/>
74	CCV 12				1.0	11/21/10 18:28	<input type="checkbox"/>
75	CCB 12				1.0	11/21/10 18:31	<input type="checkbox"/>
76	CCV 13				1.0	11/21/10 18:35	<input type="checkbox"/>
77	CCB 13				1.0	11/21/10 18:38	<input type="checkbox"/>
78	L97JN	G0K170572-1	0322436	2A	1.0	11/21/10 18:42	<input type="checkbox"/>
79	L97JNP5	G0K170572	0322436		5.0	11/21/10 18:45	<input type="checkbox"/>
80	L97JNZ	G0K170572-1	0322436		1.0	11/21/10 18:49	<input type="checkbox"/>
81	L97JP	G0K170572-2	0322436	2A	1.0	11/21/10 18:52	<input type="checkbox"/>
82	L97JR	G0K170572-3	0322436	2A	1.0	11/21/10 18:56	<input type="checkbox"/>
83	L97JT	G0K170572-4	0322436	2A	1.0	11/21/10 18:59	<input type="checkbox"/>
84	CCV 14				1.0	11/21/10 19:03	<input type="checkbox"/>
85	CCB 14				1.0	11/21/10 19:06	<input type="checkbox"/>
86	CCV 15				1.0	11/21/10 19:10	<input type="checkbox"/>
87	CCB 15				1.0	11/21/10 19:13	<input type="checkbox"/>
88	CCV 16				1.0	11/21/10 19:15	<input type="checkbox"/>
89	CCB 16				1.0	11/21/10 19:18	<input type="checkbox"/>
90	L94MP	G0K160437-1	0322435	2A	1.0	11/21/10 19:21	<input type="checkbox"/>
91	L94MPP5	G0K160437	0322435		5.0	11/21/10 19:23	<input type="checkbox"/>
92	L94MPZ	G0K160437-1	0322435		1.0	11/21/10 19:26	<input type="checkbox"/>
93	L94M4	G0K160437-2	0322435	2A	1.0	11/21/10 19:28	<input type="checkbox"/>
94	L94M7	G0K160437-3	0322435	2A	1.0	11/21/10 19:31	<input type="checkbox"/>
95	L94M9	G0K160437-4	0322435	2A	1.0	11/21/10 19:33	<input type="checkbox"/>
96	CCV 17				1.0	11/21/10 19:36	<input type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)	Instrument: M02	Reported: 11/22/10 08:01:45
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File ID: 101121A2

Analyst: harcraves

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
97	CCB 17				1.0	11/21/10 19:39	<input type="checkbox"/>
98	CCV 18				1.0	11/21/10 19:41	<input type="checkbox"/>
99	CCB 18				1.0	11/21/10 19:45	<input type="checkbox"/>
102	CCV 19				1.0	11/21/10 19:49	<input type="checkbox"/>
103	CCB 19				1.0	11/21/10 19:52	<input type="checkbox"/>
104	L9TFKB	G0K100000	0314283	EC	1.0	11/21/10 19:56	<input type="checkbox"/>
105	L9TFKC	G0K100000	0314283	EC	1.0	11/21/10 20:00	<input type="checkbox"/>
106	CCV 20				1.0	11/21/10 20:04	<input type="checkbox"/>
107	CCB 20				1.0	11/21/10 20:07	<input type="checkbox"/>
108	CCV 21				1.0	11/21/10 20:11	<input type="checkbox"/>
109	CCB 21				1.0	11/21/10 20:15	<input type="checkbox"/>
110	L9F0G	G0K020536-1	0314283	EC	1.0	11/21/10 20:18	<input type="checkbox"/>
111	L9F0GP5	G0K020536	0314283		5.0	11/21/10 20:22	<input type="checkbox"/>
112	L9F0GZ	G0K020536-1	0314283		1.0	11/21/10 20:26	<input type="checkbox"/>
113	CCV 22				1.0	11/21/10 20:29	<input type="checkbox"/>
114	CCB 22				1.0	11/21/10 20:33	<input type="checkbox"/>
117	CCV 23				1.0	11/21/10 20:37	<input type="checkbox"/>
118	CCB 23				1.0	11/21/10 20:41	<input type="checkbox"/>
119	L9F0G	G0K020536-1	0314283	EC	1.0	11/21/10 20:44	<input type="checkbox"/>
120	L9F0GP5	G0K020536	0314283		5.0	11/21/10 20:48	<input type="checkbox"/>
121	L9F0GZ	G0K020536-1	0314283		1.0	11/21/10 20:52	<input type="checkbox"/>
122	CCV 24				1.0	11/21/10 20:55	<input type="checkbox"/>
123	CCB 24				1.0	11/21/10 20:59	<input type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)	M02 (M02)	Reported: 11/22/10 08:01:45
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File ID: 101121A2

Analyst: hargraves

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	Rinse 2X	11/21/10 13:53	96.5	95.3	95.4	95.6	<input type="checkbox"/>
2	Blank	11/21/10 13:58	100.0	100.0	100.0	100.0	<input checked="" type="checkbox"/>
3	Standard1	11/21/10 14:02	99.3	98.1	111.1	97.4	<input checked="" type="checkbox"/>
4	ICV	11/21/10 14:06	98.9	98.1	105.7	97.8	<input checked="" type="checkbox"/>
5	ICB	11/21/10 14:10	99.3	98.6	107.8	97.9	<input checked="" type="checkbox"/>
6	LLSTD1	11/21/10 14:16	99.6	98.9	108.9	99.2	<input checked="" type="checkbox"/>
7	LLSTD2	11/21/10 14:20	100.7	99.2	108.9	100.0	<input checked="" type="checkbox"/>
8	ICSA	11/21/10 14:30	87.1	80.3	104.9	85.5	<input checked="" type="checkbox"/>
9	ICSAB	11/21/10 14:34	90.6	82.7	109.9	89.4	<input checked="" type="checkbox"/>
10	Rinse	11/21/10 14:41	109.0	107.6	127.3	110.3	<input checked="" type="checkbox"/>
11	CCV 1	11/21/10 14:49	108.5	104.7	128.5	108.5	<input checked="" type="checkbox"/>
12	CCB 1	11/21/10 14:53	109.1	105.5	130.6	108.1	<input checked="" type="checkbox"/>
15	CCV 2	11/21/10 14:57	100.1	98.9	101.3	98.9	<input checked="" type="checkbox"/>
16	CCB 2	11/21/10 15:01	101.4	99.7	103.4	100.2	<input checked="" type="checkbox"/>
17	L9PGPB	11/21/10 15:06	101.7	103.4	93.6	104.3	<input checked="" type="checkbox"/>
18	L93G4B	11/21/10 15:10	100.7	102.1	93.0	101.1	<input checked="" type="checkbox"/>
19	L93HEC	11/21/10 15:14	97.4	99.8	96.5	97.2	<input checked="" type="checkbox"/>
20	L93GPL	11/21/10 15:18	95.5	97.7	96.4	93.9	<input checked="" type="checkbox"/>
21	L99FXB	11/21/10 15:22	96.0	98.7	98.5	94.4	<input checked="" type="checkbox"/>
22	L99F3C	11/21/10 15:26	96.0	97.7	100.2	92.5	<input checked="" type="checkbox"/>
23	L99F1L	11/21/10 15:30	95.1	96.6	101.4	91.3	<input checked="" type="checkbox"/>
24	CCV 3	11/21/10 15:34	97.3	95.5	108.6	89.7	<input checked="" type="checkbox"/>
25	CCB 3	11/21/10 15:38	100.7	97.7	108.6	92.4	<input checked="" type="checkbox"/>
26	CCV 4	11/21/10 15:42	99.0	97.0		91.6	<input checked="" type="checkbox"/>
27	CCB 4	11/21/10 15:46	101.0	98.9		93.0	<input checked="" type="checkbox"/>
30	CCV 5	11/21/10 15:49	98.6	98.1		98.4	<input checked="" type="checkbox"/>
31	CCB 5	11/21/10 15:53	100.3	99.7		99.1	<input checked="" type="checkbox"/>
32	L9PGPC	11/21/10 15:56	96.1	98.7		97.2	<input checked="" type="checkbox"/>
33	L9PGPL	11/21/10 16:00	92.4	95.4		91.9	<input checked="" type="checkbox"/>
34	L9DNC	11/21/10 16:03	92.8	95.5		91.7	<input checked="" type="checkbox"/>
35	L9DNCP5	11/21/10 16:07	94.3	94.7		91.0	<input type="checkbox"/>
36	L9DNCZ	11/21/10 16:10	91.6	93.7		89.8	<input checked="" type="checkbox"/>
37	L9DNK	11/21/10 16:14	91.7	93.6		88.6	<input checked="" type="checkbox"/>
38	L9DNM	11/21/10 16:17	93.7	95.0		90.9	<input checked="" type="checkbox"/>
39	L9DNN	11/21/10 16:21	94.5	95.5		91.3	<input checked="" type="checkbox"/>
40	L9DNR	11/21/10 16:24	94.7	95.9		91.6	<input checked="" type="checkbox"/>
41	L9DNT	11/21/10 16:28	96.3	95.7		92.7	<input checked="" type="checkbox"/>
42	CCV 6	11/21/10 16:31	97.2	95.2		91.3	<input checked="" type="checkbox"/>
43	CCB 6	11/21/10 16:35	99.0	97.4		93.3	<input checked="" type="checkbox"/>
44	CCV 7	11/21/10 16:38	96.9	95.9		91.9	<input checked="" type="checkbox"/>
45	CCB 7	11/21/10 16:42	98.1	96.1		92.7	<input checked="" type="checkbox"/>
46	L9RFH	11/21/10 16:45	98.5	98.5		94.9	<input checked="" type="checkbox"/>
47	L9RFHP5	11/21/10 16:49	99.3	97.6		93.7	<input type="checkbox"/>
48	L9RFHZ	11/21/10 16:52	94.4	95.1		90.4	<input checked="" type="checkbox"/>
49	L9RFJ	11/21/10 16:56	92.5	94.1		88.3	<input checked="" type="checkbox"/>
50	L9RFK	11/21/10 16:59	93.9	94.0		88.3	<input checked="" type="checkbox"/>

TAL West Sac

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M02 (M02) Reported: 11/22/10 08:01:45

File ID: 101121A2

Analyst: hargraves

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
51	L9RFL	11/21/10 17:03	94.1	95.0		88.9	<input checked="" type="checkbox"/>
52	L9RFM	11/21/10 17:06	95.7	96.7		90.6	<input checked="" type="checkbox"/>
53	L9RFN	11/21/10 17:10	96.7	96.6		91.3	<input checked="" type="checkbox"/>
54	L9RFP	11/21/10 17:13	98.2	98.0		92.9	<input checked="" type="checkbox"/>
55	CCV 8	11/21/10 17:17	96.9	95.0		90.3	<input checked="" type="checkbox"/>
56	CCB 8	11/21/10 17:20	98.4	95.9		90.3	<input checked="" type="checkbox"/>
57	CCV 9	11/21/10 17:24	97.1	95.8		90.7	<input checked="" type="checkbox"/>
58	CCB 9	11/21/10 17:28	98.7	96.8		91.7	<input checked="" type="checkbox"/>
59	L90TF	11/21/10 17:31	99.0	99.3		94.5	<input checked="" type="checkbox"/>
60	L90TFP5	11/21/10 17:35	98.0	97.0		91.7	<input type="checkbox"/>
61	L90TFZ	11/21/10 17:38	93.7	94.1		87.7	<input checked="" type="checkbox"/>
62	L90TJ	11/21/10 17:42	92.0	93.3		85.8	<input checked="" type="checkbox"/>
63	L90TK	11/21/10 17:45	93.2	93.9		86.7	<input checked="" type="checkbox"/>
64	L90TL	11/21/10 17:49	93.2	93.7		86.6	<input checked="" type="checkbox"/>
65	L90TM	11/21/10 17:52	94.7	95.7		88.3	<input checked="" type="checkbox"/>
66	L90TN	11/21/10 17:56	95.7	96.1		89.4	<input checked="" type="checkbox"/>
67	L90TP	11/21/10 17:59	96.4	97.2		90.5	<input checked="" type="checkbox"/>
68	CCV 10	11/21/10 18:03	97.6	95.4		89.6	<input checked="" type="checkbox"/>
69	CCB 10	11/21/10 18:06	98.5	96.2		90.0	<input checked="" type="checkbox"/>
70	CCV 11	11/21/10 18:10	97.3	95.5		89.4	<input checked="" type="checkbox"/>
71	CCB 11	11/21/10 18:13	99.1	96.9		90.0	<input checked="" type="checkbox"/>
72	ICSA	11/21/10 18:17	85.6	80.0		85.3	<input checked="" type="checkbox"/>
73	ICSAB	11/21/10 18:20	85.3	80.8		89.1	<input type="checkbox"/>
74	CCV 12	11/21/10 18:28	99.8	98.5		96.5	<input checked="" type="checkbox"/>
75	CCB 12	11/21/10 18:31	100.6	98.9		95.2	<input checked="" type="checkbox"/>
76	CCV 13	11/21/10 18:35	100.3	98.0		93.2	<input checked="" type="checkbox"/>
77	CCB 13	11/21/10 18:38	102.3	99.2		93.7	<input checked="" type="checkbox"/>
78	L97JN	11/21/10 18:42	101.7	101.0		95.3	<input checked="" type="checkbox"/>
79	L97JNP5	11/21/10 18:45	102.4	98.8		93.5	<input type="checkbox"/>
80	L97JNZ	11/21/10 18:49	96.1	95.2		87.9	<input checked="" type="checkbox"/>
81	L97JP	11/21/10 18:52	94.0	93.8		84.6	<input checked="" type="checkbox"/>
82	L97JR	11/21/10 18:56	92.4	91.5		83.4	<input checked="" type="checkbox"/>
83	L97JT	11/21/10 18:59	95.6	94.9		86.2	<input checked="" type="checkbox"/>
84	CCV 14	11/21/10 19:03	97.3	94.3		87.1	<input checked="" type="checkbox"/>
85	CCB 14	11/21/10 19:06	99.4	95.7		88.0	<input checked="" type="checkbox"/>
86	CCV 15	11/21/10 19:10	102.5				<input checked="" type="checkbox"/>
87	CCB 15	11/21/10 19:13	104.5				<input checked="" type="checkbox"/>
88	CCV 16	11/21/10 19:15	103.0				<input checked="" type="checkbox"/>
89	CCB 16	11/21/10 19:18	106.4				<input checked="" type="checkbox"/>
90	L94MP	11/21/10 19:21	103.9				<input checked="" type="checkbox"/>
91	L94MPP5	11/21/10 19:23	108.5				<input type="checkbox"/>
92	L94MPZ	11/21/10 19:26	104.8				<input checked="" type="checkbox"/>
93	L94M4	11/21/10 19:28	98.1				<input checked="" type="checkbox"/>
94	L94M7	11/21/10 19:31	103.1				<input checked="" type="checkbox"/>
95	L94M9	11/21/10 19:33	104.5				<input checked="" type="checkbox"/>
96	CCV 17	11/21/10 19:36	101.6				<input checked="" type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)

M02 (M02)

Reported: 11/22/10 08:01:45

File ID: 101121A2

Analyst: hararaves

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
97	CCB 17	11/21/10 19:39	103.3				<input checked="" type="checkbox"/>
98	CCV 18	11/21/10 19:41	97.2	93.5	103.9	85.4	<input checked="" type="checkbox"/>
99	CCB 18	11/21/10 19:45	99.2	94.9	103.9	87.1	<input checked="" type="checkbox"/>
102	CCV 19	11/21/10 19:49	97.8	98.7	99.9	98.2	<input checked="" type="checkbox"/>
103	CCB 19	11/21/10 19:52	100.5	101.0	100.9	100.4	<input checked="" type="checkbox"/>
104	L9TFKB	11/21/10 19:56	100.3	102.0	102.4	100.9	<input checked="" type="checkbox"/>
105	L9TFKC	11/21/10 20:00	96.3	99.5	101.6	99.3	<input checked="" type="checkbox"/>
106	CCV 20	11/21/10 20:04	95.1	96.6	101.6	95.5	<input checked="" type="checkbox"/>
107	CCB 20	11/21/10 20:07	95.6	97.1	100.1	95.3	<input checked="" type="checkbox"/>
108	CCV 21	11/21/10 20:11	96.6	98.5	101.6	98.2	<input checked="" type="checkbox"/>
109	CCB 21	11/21/10 20:15	95.5	97.2	100.1	95.9	<input checked="" type="checkbox"/>
110	L9F0G	11/21/10 20:18	81.4	84.1	99.3	91.2	<input checked="" type="checkbox"/>
111	L9F0GP5	11/21/10 20:22	84.4	95.0	97.3	103.7	<input type="checkbox"/>
112	L9F0GZ	11/21/10 20:26	78.3	86.7	91.7	99.8	<input checked="" type="checkbox"/>
113	CCV 22	11/21/10 20:28	86.0	100.7	82.6	122.6	<input checked="" type="checkbox"/>
114	CCB 22	11/21/10 20:33	86.5	101.9	80.7	123.3	<input checked="" type="checkbox"/>
117	CCV 23	11/21/10 20:37	99.0	98.5	100.2	100.0	<input checked="" type="checkbox"/>
118	CCB 23	11/21/10 20:41	99.5	99.7	97.7	100.5	<input checked="" type="checkbox"/>
119	L9F0G	11/21/10 20:44	91.9	88.4	109.6	87.2	<input checked="" type="checkbox"/>
120	L9F0GP5	11/21/10 20:48	94.9	95.3	95.0	95.2	<input type="checkbox"/>
121	L9F0GZ	11/21/10 20:52	86.7	84.3	98.8	84.5	<input checked="" type="checkbox"/>
122	CCV 24	11/21/10 20:55	94.4	95.4	82.4	99.5	<input checked="" type="checkbox"/>
123	CCB 24	11/21/10 20:59	93.4	95.6	76.9	99.3	<input checked="" type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)

M02

Reported: 11/22/10 08:06:31

Method: 6020

Instrument: M02

Batch: 101121A2

Sample ID	Type	File - Sequence	Analyzed Date	Q
ICV	ICV	101121A2, 4	11/21/2010 14:06:32	<input type="checkbox"/>
ICB	ICB	101121A2, 5	11/21/2010 14:10:36	<input type="checkbox"/>
ICSA	ICSA	101121A2, 8	11/21/2010 14:30:12	<input type="checkbox"/>
ICSAB	ICSAB	101121A2, 9	11/21/2010 14:34:15	<input type="checkbox"/>
CCV 1	CCV	101121A2, 11	11/21/2010 14:49:44	<input type="checkbox"/>
CCB 1	CCB	101121A2, 12	11/21/2010 14:53:49	<input type="checkbox"/>
CCV 2	CCV	101121A2, 15	11/21/2010 14:57:54	<input type="checkbox"/>
CCB 2	CCB	101121A2, 16	11/21/2010 15:01:59	<input type="checkbox"/>
CCV 3	CCV	101121A2, 24	11/21/2010 15:34:21	<input type="checkbox"/>
CCB 3	CCB	101121A2, 25	11/21/2010 15:38:25	<input type="checkbox"/>
CCV 4	CCV	101121A2, 26	11/21/2010 15:42:30	<input type="checkbox"/>
CCB 4	CCB	101121A2, 27	11/21/2010 15:46:05	<input type="checkbox"/>
CCV 5	CCV	101121A2, 30	11/21/2010 15:49:39	<input type="checkbox"/>
CCB 5	CCB	101121A2, 31	11/21/2010 15:53:13	<input type="checkbox"/>
CCV 6	CCV	101121A2, 42	11/21/2010 16:31:42	<input type="checkbox"/>
CCB 6	CCB	101121A2, 43	11/21/2010 16:35:16	<input type="checkbox"/>
CCV 7	CCV	101121A2, 44	11/21/2010 16:38:51	<input type="checkbox"/>
CCB 7	CCB	101121A2, 45	11/21/2010 16:42:26	<input type="checkbox"/>
CCV 8	CCV	101121A2, 55	11/21/2010 17:17:19	<input type="checkbox"/>
CCB 8	CCB	101121A2, 56	11/21/2010 17:20:54	<input type="checkbox"/>
CCV 9	CCV	101121A2, 57	11/21/2010 17:24:28	<input type="checkbox"/>
CCB 9	CCB	101121A2, 58	11/21/2010 17:28:02	<input type="checkbox"/>
CCV 10	CCV	101121A2, 68	11/21/2010 18:03:06	<input type="checkbox"/>
CCB 10	CCB	101121A2, 69	11/21/2010 18:06:40	<input type="checkbox"/>
CCV 11	CCV	101121A2, 70	11/21/2010 18:10:14	<input type="checkbox"/>
CCB 11	CCB	101121A2, 71	11/21/2010 18:13:48	<input type="checkbox"/>
ICSA	ICSA	101121A2, 72	11/21/2010 18:17:22	<input type="checkbox"/>
ICSAB	ICSAB	101121A2, 73	11/21/2010 18:20:54	<input type="checkbox"/>
CCV 12	CCV	101121A2, 74	11/21/2010 18:28:07	<input type="checkbox"/>
CCB 12	CCB	101121A2, 75	11/21/2010 18:31:41	<input type="checkbox"/>
CCV 13	CCV	101121A2, 76	11/21/2010 18:35:17	<input type="checkbox"/>
CCB 13	CCB	101121A2, 77	11/21/2010 18:38:53	<input type="checkbox"/>
CCV 14	CCV	101121A2, 84	11/21/2010 19:03:23	<input type="checkbox"/>
CCB 14	CCB	101121A2, 85	11/21/2010 19:06:59	<input type="checkbox"/>
CCV 15	CCV	101121A2, 86	11/21/2010 19:10:36	<input type="checkbox"/>
CCB 15	CCB	101121A2, 87	11/21/2010 19:13:15	<input type="checkbox"/>
CCV 16	CCV	101121A2, 88	11/21/2010 19:15:54	<input type="checkbox"/>
CCB 16	CCB	101121A2, 89	11/21/2010 19:18:32	<input type="checkbox"/>
CCV 17	CCV	101121A2, 96	11/21/2010 19:36:28	<input type="checkbox"/>
CCB 17	CCB	101121A2, 97	11/21/2010 19:39:07	<input type="checkbox"/>
CCV 18	CCV	101121A2, 98	11/21/2010 19:41:46	<input type="checkbox"/>
CCB 18	CCB	101121A2, 99	11/21/2010 19:45:30	<input type="checkbox"/>
CCV 19	CCV	101121A2, 102	11/21/2010 19:49:14	<input type="checkbox"/>
CCB 19	CCB	101121A2, 103	11/21/2010 19:52:59	<input type="checkbox"/>
CCV 20	CCV	101121A2, 106	11/21/2010 20:04:01	<input type="checkbox"/>
CCB 20	CCB	101121A2, 107	11/21/2010 20:07:46	<input type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)	M02	Reported: 11/22/10 08:06:31
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Method: 6020

Instrument: M02

Batch: 101121A2

Sample ID	Type	File - Sequence	Analyzed Date	Q
CCV 21	CCV	101121A2, 108	11/21/2010 20:11:31	<input type="checkbox"/>
CCB 21	CCB	101121A2, 109	11/21/2010 20:15:15	<input type="checkbox"/>
CCV 22	CCV	101121A2, 113	11/21/2010 20:29:54	<input type="checkbox"/>
CCB 22	CCB	101121A2, 114	11/21/2010 20:33:38	<input type="checkbox"/>
CCV 23	CCV	101121A2, 117	11/21/2010 20:37:23	<input type="checkbox"/>
CCB 23	CCB	101121A2, 118	11/21/2010 20:41:07	<input type="checkbox"/>
CCV 24	CCV	101121A2, 122	11/21/2010 20:55:46	<input type="checkbox"/>
CCB 24	CCB	101121A2, 123	11/21/2010 20:59:31	<input type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)

M02

Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: ICV (ICV)

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02

Channel 262

File: 101121A2 # 4

Method 6020_

Acquired: 11/21/2010 14:06:32

M02

Calibrated: 11/21/2010 13:58:17

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	24654	81.443	80.000	102	
7429-90-5	Aluminum	27	3630941	827.61	800.00	103	
7440-47-3	Chromium	52	575657	80.643	80.000	101	
7439-89-6	Iron	57	195606	815.49	800.00	102	
7439-96-5	Manganese	55	909848	81.163	80.000	101	
7440-48-4	Cobalt	59	717157	80.964	80.000	101	
7440-02-0	Nickel	60	150316	81.106	80.000	101	
7440-50-8	Copper	65	153831	81.076	80.000	101	
7440-38-2	Arsenic	75	150016	81.449	80.000	102	
7782-49-2	Selenium	82	14609	82.777	80.000	103	
7439-98-7	Molybdenum	97	124183	79.497	80.000	99.4	
7440-22-4	Silver	107	315244	40.343	40.000	101	
7440-43-9	Cadmium	111	138535	81.961	80.000	102	
7440-36-0	Antimony	121	222155	39.685	40.000	99.2	
7440-39-3	Barium	135	142490	79.748	80.000	99.7	
7439-92-1	Lead	208	2015963	80.314	80.000	100	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	712841		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1004434		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1109089		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	961880		<input checked="" type="checkbox"/>

Reviewed by:

Date:

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: ICB

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 5 Method 6020_
 Acquired: 11/21/2010 14:10:36 M02
 Calibrated: 11/21/2010 13:58:17 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	4	-0.00442	1.0	0.078	0.0	
7429-90-5	Aluminum	27	66017	1.1380	50.0	2.1	0.0	
7440-47-3	Chromium	52	14274	0.26559	2.0	0.92	0.0	
7439-89-6	Iron	57	7884	0.21971	50.0	17.0	0.0	
7439-96-5	Manganese	55	2540	0.00369	1.0	0.083	0.0	
7440-48-4	Cobalt	59	183	0.00557	1.0	0.057	0.0	
7440-02-0	Nickel	60	293	-0.02019	2.0	0.098	0.0	
7440-50-8	Copper	65	140	0.01441				
7440-38-2	Arsenic	75	13419	0.16453	2.0	0.50	0.0	
7782-49-2	Selenium	82	998	0.30110	2.0	1.7	0.0	
7439-98-7	Molybdenum	97	249	0.12495				
7440-22-4	Silver	107	91	0.00430	1.0	0.030	0.0	
7440-43-9	Cadmium	111	60	0.00471	1.0	0.074	0.0	
7440-36-0	Antimony	121	1846	0.27858	2.0	0.036	0.0	
7440-39-3	Barium	135	90	0.00675	1.0	0.96	0.0	
7439-92-1	Lead	208	683	0.00432	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	727227		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1008547		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1114587		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	962250		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: ICSA

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 8 Method 6020_
 Acquired: 11/21/2010 14:30:12 M02
 Calibrated: 11/21/2010 13:58:17 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	25	0.06603		*	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	92203484	103254	100000	103	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	25338	2.3505		*	
7439-89-6	Iron	57	19358513	95441	100000	95.4	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	66029	6.4851		*	
7440-48-4	Cobalt	59	13430	1.7074		*	
7440-02-0	Nickel	60	3237	1.8098		*	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	-1311	-0.84436		*	
7440-38-2	Arsenic	75	12321	0.53688		*	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	565	-1.8208		*	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	2800617	2037.1	2000.0	102	<input type="checkbox"/>
7440-22-4	Silver	107	1052	0.15717		*	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	1312	0.91749		*	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	1277	0.22927		*	<input checked="" type="checkbox"/>
7440-39-3	Barium	135	4419	2.9796		*	
7439-92-1	Lead	208	11327	0.49346		*	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	707133				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	884302				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	907934				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	840851				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: ICSAB

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 9 Method 6020_
 Acquired: 11/21/2010 14:34:15 M02
 Calibrated: 11/21/2010 13:58:17 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	31747	100.86	100.00	101	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	98322248	100798	100100	101	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	656518	100.84	100.00	101	<input checked="" type="checkbox"/>
7439-89-6	Iron	57	19893681	94278	100100	94.2	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	1076868	104.94	100.00	105	<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	778808	95.996	100.00	96.0	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	158302	93.285	100.00	93.3	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	152242	87.606	100.00	87.6	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	167738	101.15	100.00	101	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	16514	103.48	100.00	103	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	3025651	2115.5	2100.0	101	<input checked="" type="checkbox"/>
7440-22-4	Silver	107	321775	48.856	50.000	97.7	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	143860	100.98	100.00	101	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	249428	52.867	50.000	106	<input checked="" type="checkbox"/>
7440-39-3	Barium	135	166774	110.76	100.00	111	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	2352423	102.54	100.00	103	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	741225				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	919914				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	934777				<input checked="" type="checkbox"/>
7440-30-4	Thallium	169	879102				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

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CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 1 (CCV)

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 11 Method 6020_
 Acquired: 11/21/2010 14:49:44 M02
 Calibrated: 11/21/2010 13:58:17 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	38091	103.55	100.00	104	
7429-90-5	Aluminum	27	25229128	5317.4	5100.0	104	
7440-47-3	Chromium	52	782813	100.40	100.00	100	
7439-89-6	Iron	57	1282616	5043.4	5100.0	98.9	
7439-96-5	Manganese	55	1217842	99.083	100.00	99.1	
7440-48-4	Cobalt	59	955888	98.378	100.00	98.4	
7440-02-0	Nickel	60	200422	98.616	100.00	98.6	
7440-50-8	Copper	65	205017	98.510	100.00	98.5	
7440-38-2	Arsenic	75	197740	99.438	100.00	99.4	
7782-49-2	Selenium	82	18768	97.907	100.00	97.9	
7439-98-7	Molybdenum	97	341027	199.06	200.00	99.5	
7440-22-4	Silver	107	420218	50.374	50.000	101	
7440-43-9	Cadmium	111	180768	100.18	100.00	100	
7440-36-0	Antimony	121	304292	50.917	50.000	102	
7440-39-3	Barium	135	193860	101.64	100.00	102	
7439-92-1	Lead	208	2682018	96.387	100.00	96.4	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	866238		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1101847		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1184084		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	1068408		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 1

Mult: 1.00

Diff: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 12 Method 6020_
 Acquired: 11/21/2010 14:53:49 M02
 Calibrated: 11/21/2010 13:58:17 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	5	-0.00291	1.0	0.078	0.0	
7429-90-5	Aluminum	27	86163	4.0053	50.0	2.1	0.0	
7440-47-3	Chromium	52	22478	1.1481	2.0	0.92	0.0	
7439-89-6	Iron	57	10511	7.5004	50.0	17.0	0.0	
7439-96-5	Manganese	55	2940	0.01584	1.0	0.083	0.0	
7440-48-4	Cobalt	59	225	0.00802	1.0	0.057	0.0	
7440-02-0	Nickel	60	301	-0.03069	2.0	0.098	0.0	
7440-50-8	Copper	65	157	0.01593				
7440-38-2	Arsenic	75	15258	0.44467	2.0	0.50	0.0	
7782-49-2	Selenium	82	1117	0.41382	2.0	1.7	0.0	
7439-98-7	Molybdenum	97	267	0.12105				
7440-22-4	Silver	107	112	0.00596	1.0	0.030	0.0	
7440-43-9	Cadmium	111	74	0.00974	1.0	0.074	0.0	
7440-36-0	Antimony	121	245	-0.00908	2.0	0.036	0.0	
7440-39-3	Barium	135	100	0.00883	1.0	0.96	0.0	
7439-92-1	Lead	208	804	0.00612	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	880852		<input checked="" type="checkbox"/>
7440-56-4	Germarium	72	1107890		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1192612		<input checked="" type="checkbox"/>
7440-30-4	Thallium	169	1062878		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals) Source: MetEdit
 Sample: CCV 2 (CCV) Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 15 Method 6020_
 Acquired: 11/21/2010 14:57:54 M02
 Calibrated: 11/21/2010 13:58:17 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	38128	97.166	100.00	97.2	
7429-90-5	Aluminum	27	24995243	5019.5	5100.0	98.4	
7440-47-3	Chromium	52	784869	99.587	100.00	99.6	
7439-89-6	Iron	57	1273506	5029.9	5100.0	98.6	
7439-96-5	Manganese	55	1218652	99.405	100.00	99.4	
7440-48-4	Cobalt	59	948524	98.582	100.00	98.6	
7440-02-0	Nickel	60	199272	98.783	100.00	98.8	
7440-50-8	Copper	65	203964	98.835	100.00	98.8	
7440-38-2	Arsenic	75	197948	99.405	100.00	99.4	
7782-49-2	Selenium	82	18492	97.747	100.00	97.7	
7439-98-7	Molybdenum	97	339026	197.51	200.00	98.8	
7440-22-4	Silver	107	415719	49.683	50.000	99.4	
7440-43-9	Cadmium	111	179339	99.639	100.00	99.6	
7440-36-0	Antimony	121	302326	49.897	50.000	99.8	
7440-39-3	Barium	135	192031	99.499	100.00	99.5	
7439-92-1	Lead	208	2617396	99.016	100.00	99.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	892391		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1109054		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1178927		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	1051051		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

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Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 2

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 16 Method 6020_
 Acquired: 11/21/2010 15:01:59 M02
 Calibrated: 11/21/2010 13:58:17 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	14	0.02122	1.0	0.078	0.0	
7429-90-5	Aluminum	27	82899	-0.89295	50.0	2.1	0.0	
7440-47-3	Chromium	52	22923	0.01589	2.0	0.92	0.0	
7439-89-6	Iron	57	10447	-0.84948	50.0	17.0	0.0	
7439-96-5	Manganese	55	2953	-0.00239	1.0	0.083	0.0	
7440-48-4	Cobalt	59	239	0.00103	1.0	0.057	0.0	
7440-02-0	Nickel	60	318	0.00628	2.0	0.098	0.0	
7440-50-8	Copper	65	160	0.00028				
7440-38-2	Arsenic	75	15520	0.02327	2.0	0.50	0.0	
7782-49-2	Selenium	82	1089	-0.24167	2.0	1.7	0.0	
7439-98-7	Molybdenum	97	220	-0.02942				
7440-22-4	Silver	107	116	0.00055	1.0	0.030	0.0	
7440-43-9	Cadmium	111	62	-0.00656	1.0	0.074	0.0	
7440-36-0	Antimony	121	256	0.00202	2.0	0.036	0.0	
7440-39-3	Barium	135	108	0.00444	1.0	0.96	0.0	
7439-92-1	Lead	208	894	0.00330	1.0	0.066	0.0	
CASN	ISTD Name	M/S	Area	Amount				Q
LITHIUM6	Lithium-6	6	910408					<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1123806					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1189269					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	1064815					<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 3 (CCV)

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 24 Method 6020_
 Acquired: 11/21/2010 15:34:21 M02
 Calibrated: 11/21/2010 13:58:17 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	39334	93.540	100.00	93.5	
7429-90-5	Aluminum	27	24430446	5048.1	5100.0	99.0	
7440-47-3	Chromium	52	762580	99.563	100.00	99.6	
7439-89-6	Iron	57	1212438	4926.7	5100.0	96.6	
7439-96-5	Manganese	55	1174181	98.552	100.00	98.6	
7440-48-4	Cobalt	59	888702	95.042	100.00	95.0	
7440-02-0	Nickel	60	185953	94.849	100.00	94.8	
7440-50-8	Copper	65	195280	97.368	100.00	97.4	
7440-38-2	Arsenic	75	190128	98.150	100.00	98.2	
7782-49-2	Selenium	82	17575	95.462	100.00	95.5	
7439-98-7	Molybdenum	97	322044	193.05	200.00	96.5	
7440-22-4	Silver	107	391371	48.427	50.000	96.9	
7440-43-9	Cadmium	111	172336	99.143	100.00	99.1	
7440-36-0	Antimony	121	292689	50.015	50.000	100	
7440-39-3	Barium	135	178938	95.990	100.00	96.0	
7439-92-1	Lead	208	2318014	96.640	100.00	96.6	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	956511		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1077841		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1138593		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	953638		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

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Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 3

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 25 Method 6020_
 Acquired: 11/21/2010 15:38:25 M02
 Calibrated: 11/21/2010 13:58:17 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	16	0.02413	1.0	0.078	0.0	
7429-90-5	Aluminum	27	68454	-3.6698	50.0	2.1	0.0	
7440-47-3	Chromium	52	21114	-0.19716	2.0	0.92	0.0	
7439-89-6	Iron	57	9407	-4.6615	50.0	17.0	0.0	
7439-96-5	Manganese	55	2539	-0.03428	1.0	0.083	0.0	
7440-48-4	Cobalt	59	359	0.01360	1.0	0.057	0.0	
7440-02-0	Nickel	60	301	-0.00114	2.0	0.098	0.0	
7440-50-8	Copper	65	177	0.00915				
7440-38-2	Arsenic	75	15232	-0.07121	2.0	0.50	0.0	
7782-49-2	Selenium	82	1064	-0.33896	2.0	1.7	0.0	
7439-98-7	Molybdenum	97	340	0.04112				
7440-22-4	Silver	107	160	0.00613	1.0	0.030	0.0	
7440-43-9	Cadmium	111	79	0.00399	1.0	0.074	0.0	
7440-36-0	Antimony	121	534	0.04924	2.0	0.036	0.0	
7440-39-3	Barium	135	111	0.00692	1.0	0.96	0.0	
7439-92-1	Lead	208	1100	0.01440	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	956818		<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1115621		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1165196		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	982620		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 4 (CCV)

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 26 Method 6020_
 Acquired: 11/21/2010 15:42:30 M02
 Calibrated: 11/21/2010 13:58:17 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7429-90-5	Aluminum	27	26568913	5396.2	5100.0	106	
7440-47-3	Chromium	52	753618	96.605	100.00	96.6	
7439-96-5	Manganese	55	1165714	96.139	100.00	96.1	
7440-48-4	Cobalt	59	884144	92.916	100.00	92.9	
7440-02-0	Nickel	60	185175	92.812	100.00	92.8	
7440-50-8	Copper	65	198354	97.190	100.00	97.2	
7440-38-2	Arsenic	75	193522	98.175	100.00	98.2	
7439-98-7	Molybdenum	97	329496	194.10	200.00	97.1	
7440-43-9	Cadmium	111	175070	99.174	100.00	99.2	
7440-36-0	Antimony	121	298649	50.256	50.000	101	
7439-92-1	Lead	208	2370157	96.801	100.00	96.8	
CASN	ISTD Name	M/S	Area	Amount			Q
7440-56-4	Germanium	72	1096785				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1156238				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	973550				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

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Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 4

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 27 Method 6020_
 Acquired: 11/21/2010 15:46:05 M02
 Calibrated: 11/21/2010 15:42:30 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7429-90-5	Aluminum	27	75057	-2.3964	50.0	2.1	0.0	
7440-47-3	Chromium	52	20792	-0.24796	2.0	0.92	0.0	
7439-96-5	Manganese	55	2458	-0.04154	1.0	0.083	0.0	
7440-48-4	Cobalt	59	371	0.01476	1.0	0.057	0.0	
7440-02-0	Nickel	60	288	-0.00782	2.0	0.098	0.0	
7440-50-8	Copper	65	180	0.01018				
7440-38-2	Arsenic	75	14942	-0.25648	2.0	0.50	0.0	
7439-98-7	Molybdenum	97	267	-0.00135				
7440-43-9	Cadmium	111	82	0.00485	1.0	0.074	0.0	
7440-36-0	Antimony	121	386	0.02373	2.0	0.036	0.0	
7439-92-1	Lead	208	1103	0.01427	1.0	0.066	0.0	
CASN	ISTD Name	M/S	Area	Amount				Q
7440-56-4	Germanium	72	1119419					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1179651					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	988769					<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 5 (CCV)

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 30 Method 6020_
 Acquired: 11/21/2010 15:49:39 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7429-90-5	Aluminum	27	26397282	5036.1	5100.0	98.7	
7440-47-3	Chromium	52	748360	98.660	100.00	98.7	
7439-96-5	Manganese	55	1154607	98.438	100.00	98.4	
7440-48-4	Cobalt	59	878229	98.717	100.00	98.7	
7440-02-0	Nickel	60	184072	98.796	100.00	98.8	
7440-50-8	Copper	65	197806	99.116	100.00	99.1	
7440-38-2	Arsenic	75	193497	99.324	100.00	99.3	
7439-98-7	Molybdenum	97	330649	199.48	200.00	99.7	
7440-43-9	Cadmium	111	174519	99.615	100.00	99.6	
7440-36-0	Antimony	121	296910	49.672	50.000	99.3	
7439-92-1	Lead	208	2359474	99.586	100.00	99.6	

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	Germanium	72	1103586		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1157043		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	973148		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

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Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 5

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 31 Method 6020_
 Acquired: 11/21/2010 15:53:13 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7429-90-5	Aluminum	27	73170	-0.39852	50.0	2.1	0.0	
7440-47-3	Chromium	52	22100	0.16543	2.0	0.92	0.0	
7439-96-5	Manganese	55	2468	0.00022	1.0	0.083	0.0	
7440-48-4	Cobalt	59	295	-0.00848	1.0	0.057	0.0	
7440-02-0	Nickel	60	293	0.00234	2.0	0.098	0.0	
7440-50-8	Copper	65	179	-0.00066				
7440-38-2	Arsenic	75	14855	-0.07425	2.0	0.50	0.0	
7439-98-7	Molybdenum	97	232	-0.02158				
7440-43-9	Cadmium	111	68	-0.00771	1.0	0.074	0.0	
7440-36-0	Antimony	121	300	-0.01392	2.0	0.036	0.0	
7439-92-1	Lead	208	933	-0.00672	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	Germanium	72	1123062		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1175954		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	980052		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

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CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 6 (CCV)

Mult: 1.00

Dilf: 1.00

Divs: 1.000

1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 42 Method 6020_
 Acquired: 11/21/2010 16:31:42 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7429-90-5	Aluminum	27	25678746	4969.0	5100.0	97.4	
7440-47-3	Chromium	52	747808	100.03	100.00	100	
7439-96-5	Manganese	55	1145226	99.037	100.00	99.0	
7440-48-4	Cobalt	59	860753	98.142	100.00	98.1	
7440-02-0	Nickel	60	180869	98.459	100.00	98.5	
7440-50-8	Copper	65	196558	99.901	100.00	99.9	
7440-38-2	Arsenic	75	191780	99.901	100.00	99.9	
7439-98-7	Molybdenum	97	323867	198.18	200.00	99.1	
7440-43-9	Cadmium	111	170950	100.56	100.00	101	
7440-36-0	Antimony	121	290773	50.135	50.000	100	
7439-92-1	Lead	208	2188805	99.535	100.00	99.5	
CASN	ISTD Name	M/S	Area	Amount			Q
7440-56-4	Germanium	72	1088034				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1122738				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	903223				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 6

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 43 Method 6020_
 Acquired: 11/21/2010 16:35:16 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7429-90-5	Aluminum	27	69322	-0.95365	50.0	2.1	0.0	
7440-47-3	Chromium	52	21771	0.15920	2.0	0.92	0.0	
7439-96-5	Manganese	55	2456	0.00183	1.0	0.083	0.0	
7440-48-4	Cobalt	59	260	-0.01198	1.0	0.057	0.0	
7440-02-0	Nickel	60	265	-0.01070	2.0	0.098	0.0	
7440-50-8	Copper	65	173	-0.00272				
7440-38-2	Arsenic	75	15082	0.15718	2.0	0.50	0.0	
7439-98-7	Molybdenum	97	186	-0.04755				
7440-43-9	Cadmium	111	64	-0.00907	1.0	0.074	0.0	
7440-36-0	Antimony	121	251	-0.02112	2.0	0.036	0.0	
7439-92-1	Lead	208	848	-0.00806	1.0	0.066	0.0	
CASN	ISTD Name	M/S	Area	Amount				Q
7440-56-4	Germanium	72	1108592					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1148655					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	922471					<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals) Source: MetEdit

Sample: CCV 7 (CCV) Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 44 Method 6020_
 Acquired: 11/21/2010 16:38:51 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7429-90-5	Aluminum	27	25343800	4920.3	5100.0	96.5	
7440-47-3	Chromium	52	737117	98.905	100.00	98.9	
7439-96-5	Manganese	55	1125029	97.609	100.00	97.6	
7440-48-4	Cobalt	59	847682	96.983	100.00	97.0	
7440-02-0	Nickel	60	178573	97.535	100.00	97.5	
7440-50-8	Copper	65	193712	98.773	100.00	98.8	
7440-38-2	Arsenic	75	189880	99.187	100.00	99.2	
7439-98-7	Molybdenum	97	323645	198.71	200.00	99.4	
7440-43-9	Cadmium	111	170904	99.798	100.00	99.8	
7440-36-0	Antimony	121	290862	49.777	50.000	99.6	
7439-92-1	Lead	208	2188229	98.870	100.00	98.9	

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	Germanium	72	1084503		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1131167		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	909092		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

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Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 7

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 45 Method 6020_
 Acquired: 11/21/2010 16:42:26 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7429-90-5	Aluminum	27	70097	-0.68302	50.0	2.1	0.0	
7440-47-3	Chromium	52	21832	0.19475	2.0	0.92	0.0	
7439-96-5	Manganese	55	2435	0.00204	1.0	0.083	0.0	
7440-48-4	Cobalt	59	286	-0.00878	1.0	0.057	0.0	
7440-02-0	Nickel	60	275	-0.00414	2.0	0.098	0.0	
7440-50-8	Copper	65	176	-0.00003				
7440-38-2	Arsenic	75	14974	0.17418	2.0	0.50	0.0	
7439-98-7	Molybdenum	97	206	-0.03396				
7440-43-9	Cadmium	111	60	-0.01065	1.0	0.074	0.0	
7440-36-0	Antimony	121	248	-0.02095	2.0	0.036	0.0	
7439-92-1	Lead	208	869	-0.00688	1.0	0.066	0.0	
CASN	ISTD Name	M/S	Area	Amount				Q
7440-56-4	Germanium	72	1098444					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1133443					<input checked="" type="checkbox"/>
7440-30-4	Thallium	169	916864					<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 8 (CCV)

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 55 Method 6020_
 Acquired: 11/21/2010 17:17:19 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7429-90-5	Aluminum	27	25450660	4940.0	5100.0	96.9	
7440-47-3	Chromium	52	749452	100.58	100.00	101	
7439-96-5	Manganese	55	1138797	98.790	100.00	98.8	
7440-48-4	Cobalt	59	860710	98.448	100.00	98.4	
7440-02-0	Nickel	60	181086	98.893	100.00	98.9	
7440-50-8	Copper	65	194948	99.390	100.00	99.4	
7440-38-2	Arsenic	75	190991	99.786	100.00	99.8	
7439-98-7	Molybdenum	97	323957	198.85	200.00	99.4	
7440-43-9	Cadmium	111	170647	100.60	100.00	101	
7440-36-0	Antimony	121	291184	50.310	50.000	101	
7439-92-1	Lead	208	2170952	99.881	100.00	99.9	

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	Germanium	72	1084570		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1120388		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	892790		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

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Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 8

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 56 Method 6020_
 Acquired: 11/21/2010 17:20:54 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7429-90-5	Aluminum	27	69956	-0.74431	50.0	2.1	0.0	
7440-47-3	Chromium	52	21683	0.16708	2.0	0.92	0.0	
7439-96-5	Manganese	55	2333	-0.00729	1.0	0.083	0.0	
7440-48-4	Cobalt	59	300	-0.00728	1.0	0.057	0.0	
7440-02-0	Nickel	60	273	-0.00558	2.0	0.098	0.0	
7440-50-8	Copper	65	170	-0.00344				
7440-38-2	Arsenic	75	14809	0.06167	2.0	0.50	0.0	
7439-98-7	Molybdenum	97	197	-0.04010				
7440-43-9	Cadmium	111	69	-0.00559	1.0	0.074	0.0	
7440-36-0	Antimony	121	307	-0.01082	2.0	0.036	0.0	
7439-92-1	Lead	208	882	-0.00525	1.0	0.066	0.0	
CASN	ISTD Name	M/S	Area	Amount				Q
7440-56-4	Germanium	72	1101200					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1131455					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	892804					<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals) Source: MetEdit
 Sample: CCV 9 (CCV) Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 57 Method 6020_
 Acquired: 11/21/2010 17:24:28 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7429-90-5	Aluminum	27	25112941	4863.9	5100.0	95.4	
7440-47-3	Chromium	52	736047	98.510	100.00	98.5	
7439-96-5	Manganese	55	1119463	96.892	100.00	96.9	
7440-48-4	Cobalt	59	847355	96.701	100.00	96.7	
7440-02-0	Nickel	60	178002	96.989	100.00	97.0	
7440-50-8	Copper	65	193433	98.401	100.00	98.4	
7440-38-2	Arsenic	75	188716	98.266	100.00	98.3	
7439-98-7	Molybdenum	97	321978	197.20	200.00	98.6	
7440-43-9	Cadmium	111	169294	98.897	100.00	98.9	
7440-36-0	Antimony	121	288903	49.466	50.000	98.9	
7439-92-1	Lead	208	2154490	98.675	100.00	98.7	
CASN	ISTD Name	M/S	Area	Amount			Q
7440-56-4	Germanium	72	1087030				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1130612				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	896854				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

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Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 9

Mult: 1.00 Dil: 1.00 Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 58 Method 6020_
 Acquired: 11/21/2010 17:28:02 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7429-90-5	Aluminum	27	70106	-0.75726	50.0	2.1	0.0	
7440-47-3	Chromium	52	21962	0.19537	2.0	0.92	0.0	
7439-96-5	Manganese	55	2325	-0.00855	1.0	0.083	0.0	
7440-48-4	Cobalt	59	332	-0.00380	1.0	0.057	0.0	
7440-02-0	Nickel	60	276	-0.00471	2.0	0.098	0.0	
7440-50-8	Copper	65	163	-0.00740				
7440-38-2	Arsenic	75	15137	0.21721	2.0	0.50	0.0	
7439-98-7	Molybdenum	97	207	-0.03404				
7440-43-9	Cadmium	111	77	-0.00111	1.0	0.074	0.0	
7440-36-0	Antimony	121	282	-0.01563	2.0	0.036	0.0	
7439-92-1	Lead	208	897	-0.00517	1.0	0.066	0.0	
CASN	ISTD Name	M/S	Area	Amount				Q
7440-56-4	Germanium	72	1104745					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1142060					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	906340					<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals) Source: MetEdit
 Sample: CCV 10 (CCV) Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 68 Method 6020_
 Acquired: 11/21/2010 18:03:06 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7429-90-5	Aluminum	27	24848058	4787.1	5100.0	93.9	
7440-47-3	Chromium	52	729478	97.086	100.00	97.1	
7439-96-5	Manganese	55	1112395	95.771	100.00	95.8	
7440-48-4	Cobalt	59	838294	95.163	100.00	95.2	
7440-02-0	Nickel	60	176879	95.870	100.00	95.9	
7440-50-8	Copper	65	193073	97.699	100.00	97.7	
7440-38-2	Arsenic	75	188236	97.443	100.00	97.4	
7439-98-7	Molybdenum	97	318889	194.29	200.00	97.1	
7440-43-9	Cadmium	111	167813	98.449	100.00	98.4	
7440-36-0	Antimony	121	284646	48.945	50.000	97.9	
7439-82-1	Lead	208	2106057	97.627	100.00	97.6	
CASN	ISTD Name	M/S	Area	Amount			Q
7440-56-4	Germanium	72	1092723				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1125770				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	886020				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

BLANK REPORT

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 10

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 69 Method 6020_
 Acquired: 11/21/2010 18:06:40 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7429-90-5	Aluminum	27	69544	-0.83686	50.0	2.1	0.0	
7440-47-3	Chromium	52	22120	0.22307	2.0	0.92	0.0	
7439-96-5	Manganese	55	2265	-0.01326	1.0	0.083	0.0	
7440-48-4	Cobalt	59	323	-0.00481	1.0	0.057	0.0	
7440-02-0	Nickel	60	279	-0.00257	2.0	0.098	0.0	
7440-50-8	Copper	65	168	-0.00448				
7440-38-2	Arsenic	75	14864	0.08325	2.0	0.50	0.0	
7439-98-7	Molybdenum	97	231	-0.01950				
7440-43-9	Cadmium	111	68	-0.00621	1.0	0.074	0.0	
7440-36-0	Antimony	121	274	-0.01663	2.0	0.036	0.0	
7439-92-1	Lead	208	890	-0.00474	1.0	0.066	0.0	
CASN	ISTD Name	M/S	Area	Amount				Q
7440-56-4	Germanium	72	1102373					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1135126					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	890209					<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

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CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 11 (CCV)

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 70 Method 6020_
 Acquired: 11/21/2010 18:10:14 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7429-90-5	Aluminum	27	24873765	4810.0	5100.0	94.3	
7440-47-3	Chromium	52	728337	97.296	100.00	97.3	
7439-96-5	Manganese	55	1114821	96.345	100.00	96.3	
7440-48-4	Cobalt	59	841901	95.932	100.00	95.9	
7440-02-0	Nickel	60	175886	95.686	100.00	95.7	
7440-50-8	Copper	65	190688	96.849	100.00	96.8	
7440-38-2	Arsenic	75	187342	97.321	100.00	97.3	
7439-98-7	Molybdenum	97	318839	195.06	200.00	97.5	
7440-43-9	Cadmium	111	168418	98.710	100.00	98.7	
7440-36-0	Antimony	121	286402	49.203	50.000	98.4	
7439-92-1	Lead	208	2109256	98.012	100.00	98.0	
CASN	ISTD Name	M/S	Area	Amount			Q
7440-56-4	Germanium	72	1088814				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1126960				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	883965				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

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Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals) Source: MetEdit

Sample: CCB 11 Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 71 Method 6020_
 Acquired: 11/21/2010 18:13:48 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7429-90-5	Aluminum	27	69829	-0.86504	50.0	2.1	0.0	
7440-47-3	Chromium	52	22021	0.19137	2.0	0.92	0.0	
7439-96-5	Manganese	55	2401	-0.00295	1.0	0.083	0.0	
7440-48-4	Cobalt	59	337	-0.00350	1.0	0.057	0.0	
7440-02-0	Nickel	60	275	-0.00571	2.0	0.098	0.0	
7440-50-8	Copper	65	170	-0.00414				
7440-38-2	Arsenic	75	14973	0.09289	2.0	0.50	0.0	
7439-98-7	Molybdenum	97	257	-0.00466				
7440-43-9	Cadmium	111	70	-0.00507	1.0	0.074	0.0	
7440-36-0	Antimony	121	259	-0.01943	2.0	0.036	0.0	
7439-92-1	Lead	208	998	0.00024	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	Germanium	72	1109345		<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1142898		<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	889946		<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals) Source: MetEdit

Sample: ICSA Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 72 Method 6020_
 Acquired: 11/21/2010 18:17:22 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7429-90-5	Aluminum	27	05953439	89397	100000	89.4	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	32821	2.3436		'	
7439-96-5	Manganese	55	66665	6.3502		'	
7440-48-4	Cobalt	59	13176	1.6646		'	
7440-02-0	Nickel	60	2801	1.5800		'	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	-1146	-0.75055		'	
7440-38-2	Arsenic	75	14109	0.84185		'	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	2834781	1970.3	2000.0	98.5	<input type="checkbox"/>
7440-43-9	Cadmium	111	1464	0.97896		'	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	1226	0.18835		'	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	10907	0.48570		'	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount			Q
7440-56-4	Germanium	72	958557				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	944102				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	843057				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: ICSAB

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 73 Method 6020_
 Acquired: 11/21/2010 18:20:54 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7429-90-5	Aluminum	27	12219387	91148	100100	91.1	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	641084	98.462	100.00	98.5	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	997942	98.417	100.00	98.4	<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	726522	94.422	100.00	94.4	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	147471	91.533	100.00	91.5	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	147410	85.399	100.00	85.4	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	163528	99.323	100.00	99.3	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	3048230	2127.4	2100.0	101	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	140707	97.496	100.00	97.5	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	253759	51.547	50.000	103	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	2176933	101.50	100.00	101	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount			Q
7440-56-4	Germanium	72	954716				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	953260				<input checked="" type="checkbox"/>
7440-30-4	Thallium	169	881010				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals) Source: MetEdit

Sample: CCV 12 (CCV) Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 74 Method 6020_
 Acquired: 11/21/2010 18:28:07 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7429-90-5	Aluminum	27	24979618	4704.9	5100.0	92.3	
7440-47-3	Chromium	52	740951	96.392	100.00	96.4	
7439-96-5	Manganese	55	1149988	96.817	100.00	96.8	
7440-48-4	Cobalt	59	868127	96.367	100.00	96.4	
7440-02-0	Nickel	60	182727	96.841	100.00	96.8	
7440-50-8	Copper	65	196503	97.226	100.00	97.2	
7440-38-2	Arsenic	75	194139	98.335	100.00	98.3	
7439-98-7	Molybdenum	97	328848	195.91	200.00	98.0	
7440-43-9	Cadmium	111	174625	99.243	100.00	99.2	
7440-36-0	Antimony	121	295134	49.160	50.000	98.3	
7439-92-1	Lead	208	2261841	97.364	100.00	97.4	
CASN	ISTD Name	M/S	Area	Amount			Q
7440-56-4	Germanium	72	1117571				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1162050				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	954143				<input checked="" type="checkbox"/>

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Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals) Source: MetEdit

Sample: CCB 12 Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 75 Method 6020_
 Acquired: 11/21/2010 18:31:41 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7429-90-5	Aluminum	27	79147	0.68711	50.0	2.1	0.0	
7440-47-3	Chromium	52	21626	0.09455	2.0	0.92	0.0	
7439-96-5	Manganese	55	2467	-0.00049	1.0	0.083	0.0	
7440-48-4	Cobalt	59	343	-0.00333	1.0	0.057	0.0	
7440-02-0	Nickel	60	297	0.00363	2.0	0.098	0.0	
7440-50-8	Copper	65	175	-0.00270				
7440-38-2	Arsenic	75	15754	0.39396	2.0	0.50	0.0	
7439-98-7	Molybdenum	97	451	0.10789				
7440-43-9	Cadmium	111	75	-0.00312	1.0	0.074	0.0	
7440-36-0	Antimony	121	244	-0.02284	2.0	0.036	0.0	
7439-92-1	Lead	208	982	-0.00299	1.0	0.066	0.0	
CASN	ISTD Name	M/S	Area	Amount				Q
7440-56-4	Germanium	72	1126024					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1166620					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	941179					<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

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CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals) Source: MetEdit
 Sample: CCV 13 (CCV) Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 76 Method 6020_
 Acquired: 11/21/2010 18:35:17 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7429-90-5	Aluminum	27	24804457	4650.8	5100.0	91.2	
7440-47-3	Chromium	52	739682	95.783	100.00	95.8	
7439-96-5	Manganese	55	1142590	95.756	100.00	95.8	
7440-48-4	Cobalt	59	866354	95.736	100.00	95.7	
7440-02-0	Nickel	60	182502	96.283	100.00	96.3	
7440-50-8	Copper	65	198943	97.992	100.00	98.0	
7440-38-2	Arsenic	75	196562	99.173	100.00	99.2	
7439-98-7	Molybdenum	97	334698	198.49	200.00	99.2	
7440-43-9	Cadmium	111	174519	99.748	100.00	99.7	
7440-36-0	Antimony	121	295443	49.494	50.000	99.0	
7439-92-1	Lead	208	2206188	98.305	100.00	98.3	
CASN	ISTD Name	M/S	Area	Amount			Q
7440-56-4	Germanium	72	1122592				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1155485				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	921748				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

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Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals) Source: MetEdit

Sample: CCB 13 Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 77 Method 6020_
 Acquired: 11/21/2010 18:38:53 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7429-90-5	Aluminum	27	61534	-2.8068	50.0	2.1	0.0	
7440-47-3	Chromium	52	21539	0.03630	2.0	0.92	0.0	
7439-96-5	Manganese	55	2674	0.01325	1.0	0.083	0.0	
7440-48-4	Cobalt	59	237	-0.01547	1.0	0.057	0.0	
7440-02-0	Nickel	60	196	-0.05120	2.0	0.098	0.0	
7440-50-8	Copper	65	194	0.00467				
7440-38-2	Arsenic	75	15845	0.30324	2.0	0.50	0.0	
7439-98-7	Molybdenum	97	265	-0.00505				
7440-43-9	Cadmium	111	59	-0.01256	1.0	0.074	0.0	
7440-36-0	Antimony	121	208	-0.02890	2.0	0.036	0.0	
7439-92-1	Lead	208	765	-0.01192	1.0	0.066	0.0	
CASN	ISTD Name	M/S	Area	Amount				Q
7440-56-4	Germanium	72	1144690					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1169650					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	926681					<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

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CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 14 (CCV)

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 84 Method 6020_
 Acquired: 11/21/2010 19:03:23 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7429-90-5	Aluminum	27	24009557	4640.4	5100.0	91.0	
7440-47-3	Chromium	52	722100	96.398	100.00	96.4	
7439-96-5	Manganese	55	1105391	95.488	100.00	95.5	
7440-48-4	Cobalt	59	831815	94.744	100.00	94.7	
7440-02-0	Nickel	60	175154	95.246	100.00	95.2	
7440-50-8	Copper	65	193942	98.469	100.00	98.5	
7440-38-2	Arsenic	75	188190	97.765	100.00	97.8	
7439-98-7	Molybdenum	97	320746	196.07	200.00	98.0	
7440-43-9	Cadmium	111	167411	99.416	100.00	99.4	
7440-36-0	Antimony	121	283626	49.366	50.000	98.7	
7439-92-1	Lead	208	2078338	99.127	100.00	99.1	
CASN	ISTD Name	M/S	Area	Amount			Q
7440-56-4	Germanium	72	1089123				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1112250				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	861221				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

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Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 14

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 85 Method 6020_
 Acquired: 11/21/2010 19:06:59 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7429-90-5	Aluminum	27	58292	-3.0938	50.0	2.1	0.0	
7440-47-3	Chromium	52	21877	0.16312	2.0	0.92	0.0	
7439-96-5	Manganese	55	2549	0.00903	1.0	0.083	0.0	
7440-48-4	Cobalt	59	244	-0.01395	1.0	0.057	0.0	
7440-02-0	Nickel	60	202	-0.04510	2.0	0.098	0.0	
7440-50-8	Copper	65	203	0.01225				
7440-38-2	Arsenic	75	15407	0.30631	2.0	0.50	0.0	
7439-98-7	Molybdenum	97	205	-0.03635				
7440-43-9	Cadmium	111	56	-0.01280	1.0	0.074	0.0	
7440-36-0	Antimony	121	228	-0.02428	2.0	0.036	0.0	
7439-92-1	Lead	208	773	-0.00931	1.0	0.066	0.0	
CASN	ISTD Name	M/S	Area	Amount				Q
7440-56-4	Germanium	72	1112546					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1129514					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	869820					<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals) Source: MetEdit

Sample: CCV 15 (CCV) Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 86 Method 6020_
 Acquired: 11/21/2010 19:10:36 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7439-96-5	Manganese	55	1203553	98.812	100.00	98.8	
7440-38-2	Arsenic	75	194136	95.681	100.00	95.7	
CASN	ISTD Name	M/S	Area	Amount			Q
7440-56-4	Germanium	72	1146856				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

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Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 15

Mult: 1.00

Diif: 1.00

1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 87 Method 6020_
 Acquired: 11/21/2010 19:13:15 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7439-96-5	Manganese	55	2896	0.02654	1.0	0.083	0.0	
7440-38-2	Arsenic	75	15602	-0.00245	2.0	0.50	0.0	
CASN	ISTD Name	M/S	Area	Amount				Q
7440-56-4	Germanium	72	1169361					<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

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CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 16 (CCV)

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 88 Method 6020_
 Acquired: 11/21/2010 19:15:54 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7439-96-5	Manganese	55	1204388	98.358	100.00	98.4	
7440-38-2	Arsenic	75	195102	95.642	100.00	95.6	
CASN	ISTD Name	M/S	Area	Amount			Q
7440-56-4	Germanium	72	1152599				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

BLANK REPORT

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 16

Mult: 1.00

Dilf: 1.00

Divs: 1.000

Instrument: ICPMS M02 Channel 262
File: 101121A2 # 89 Method 6020_
Acquired: 11/21/2010 19:18:32 M02
Calibrated: 11/21/2010 15:46:05 Units: ug/L

Table with 9 columns: CASN, Analyte Name, M/S, Area, Amount, RL, MDL, %RSD, Q. Rows include Manganese and Arsenic.

Table with 6 columns: CASN, ISTD Name, M/S, Area, Amount, Q. Row includes Germanium.

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals) Source: MetEdit
 Sample: CCV 17 (CCV) Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 96 Method 6020_
 Acquired: 11/21/2010 19:36:28 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7439-96-5	Manganese	55	1196916	99.055	100.00	99.1	
7440-38-2	Arsenic	75	192093	95.417	100.00	95.4	
CASN	ISTD Name	M/S	Area	Amount			Q
7440-56-4	Germanium	72	1137353				<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

BLANK REPORT

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:06:31

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 17

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 97 Method 6020_
 Acquired: 11/21/2010 19:39:07 M02
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7439-96-5	Manganese	55	3308	0.06277	1.0	0.083	0.0	
7440-38-2	Arsenic	75	15267	-0.08523	2.0	0.50	0.0	
CASN	ISTD Name	M/S	Area	Amount				Q
7440-56-4	Germanium	72	1155903					<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

TAL West Sac

SERIAL DILUTION

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:12:19

Department: 120 (Metals)

Source: MetEdit

Sample: L94MPP5

Serial Dilution: 5.00

Sample Dilution: 1.00

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 91 Method 6020_
 Acquired: 11/21/2010 19:23:38 M02 Matrix: AIR
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Dilution	Sample	%Diff.	MDL	Flag	Q
7439-96-5	Manganese	55	3617149	1403.7	1412.4	0.620	0.14	0.6	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	16675	1.1948	1.1237	6.32	0.41	NC	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount					Q
7440-56-4	Germanium	72	1214067						<input type="checkbox"/>

* Analyte not requested for this batch, no MDL

NC : Serial dilution concentration < 100 X MDL

E : Difference greater than Limit (10%)

Reviewed by: _____ Date: _____

TAL West Sac

SAMPLE SPIKE

Method: 6020 (SOP: SAC-MT-001) M02 Reported: 11/22/10 08:12:25

Department: 120 (Metals) Source: MetEdit

Sample: L94MPZ Spike Dilution: 1.00 Sample Dilution: 1.00

Instrument: ICPMS M02 Channel 262
 File: 101121A2 # 92 Method 6020_
 Acquired: 11/21/2010 19:26:10 M02 Matrix: AIR
 Calibrated: 11/21/2010 15:46:05 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	Sample	%Rec.	Spike	Flag	Q
7439-96-5	Manganese	55	18742228	1506.4	1412.4	47.0	200	*	<input type="checkbox"/>
7440-38-2	Arsenic	75	360159	180.10	1.1237	89.5	200		<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount					Q
7440-56-4	Germanium	72	1173413						<input checked="" type="checkbox"/>

Reviewed by: _____ Date: _____

Sample Preparation Log

**TestAmerica - West Sacramento
Metals - Air Toxics - Preparation Log**

Date: 19-Nov-10

Analyst: jz

Matrix: AIR

Fraction: Filter

SOP: WS-IP-0010

Method: ICPMS

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G0K180000	435	L99F1B	2A	NA	NA	NA	100 mL	322435	1.2
G0K180000	435	L99F1C	2A	NA	NA	NA	100 mL	322435	1.2
G0K180000	435	L99F1L	2A	NA	NA	NA	100 mL	322435	1.2
G0K160437	1	L94MP	2A	9 inches	0.75 inches	0.75 inches	100 mL	322435	1.2
G0K160437	2	L94M4	2A	9 inches	0.75 inches	0.75 inches	100 mL	322435	1.2
G0K160437	3	L94M7	2A	9 inches	0.75 inches	0.75 inches	100 mL	322435	1.2
G0K160437	4	L94M9	2A	9 inches	0.75 inches	0.75 inches	100 mL	322435	1.2

QCs shared with batches 0322434 and 0322436

For the cassette filter digest the whole filter is used.

For 1" filter: factor = 9 (9/1).

For 0.75" filter factor = 12 (9/0.75).

Page 1 of 1

QA-372B Rev. TP 11/17/2008

Lot #(s): 60K120496 60K140437 60K170572
 Batch Number: 0322436 EPA Analytical Method ID: 6020 Spiked Date: 11/18/10
0322434 0322435 EPA Prep Method ID: WS-IP-0010 Hot Plate Microwave ID: Met II
 MS Sample(s): NA Witness Initial/Date: TP 11/18/10 Hot Plate Temp: 930C
 Analyst Initial/Date: JZ 11/18/10 Digestion Cup Lot #: 1008257-0307 Thermometer ID: BT09
 Correct Folder ID: NA Filter Paper Lot #: 390427 Fin Vol Cup Lot: 100911

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/LCSD Volume Spiked	MS/SD Volume Spiked	Expiration Date
	ICP Part 1 5% HNO ₃	Ca, Mg Al, As, Ba, Se, Sn, Ti Fe, Mo, Ti Sb, Co, Pb, Mn, Ni, V, Zn Cu Cr Be, Cd Ag	5,000 200 100 50 25 20 5 5.0				
	ICP Part 2 2% HNO ₃	K, Na P, S B, Li, Sr	5,000 1,000 100				
	Si H2O/Tr HF	Si	1,000				JZ 11/18/10
/	TACA-1 5% HNO ₃	Al, K, Mg, Ca, Na, Fe, P, B As, Be, Cd, Cr, Co, Cu, Pb, Mn, Ni, Se, U, V, Zn, Ba, Li Sr Ag, Ti	500 100 25	3189-6-5	200 µl	NA	8/31/11
/	TACA-2 5% HNO ₃	Mo, Sb, Sn, Ti	100	3189-6-6	200 µl	NA	8/31/11
	Misc. Elements						JZ 11/18/10

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
	70% HNO ₃	Mallinckrodt			30% H ₂ O ₂	Mallinckrodt	
	37% HCl	Mallinckrodt			49% HF	Fisher	
X	3M HNO ₃	In-House	4028-28-7		1:1 HCl	In-House	JZ 11/18/10

ICP matrix spike and LCS: For final volumes of 100ml, add 1ml from bottles ICP Part 1, ICP Part 2. Add 1ml of Silica (Si) when requested.
 ICPMS matrix spike and LCS: For final volumes of 100ml, add 0.2 mL each of TACA-1 and TACA-2.
 Amount to spike is as listed above for final volumes of 100ml. If a different final volume is used, increase or decrease the amount you spike proportionally.

03 22436

Prep Batch(es) 03 22434 0322435 Test: 6020
 Prep Date: 11/18/10 Holding Times: 5/21/11 5/10/11 5/16/11 NCM: Y

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	/	/
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	/	/
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	/	NA
4. Worksheets have been checked for required spiking compounds	/	/
5. Spiking volumes are correctly documented	/	/
6. Std ID numbers on spike labels match numbers on bench sheet	/	NA
7. Expiration dates have been checked	/	/
8. Calibration expiration dates on pipettors have been checked	/	NA
9. Spiker and spike witness have signed and dated bench sheet	/	/
B. Weights and Volumes		
1. Recorded weights are in anticipated range	NA	NA
2. Balance upload or raw data for weights is included	NA	NA
3. Weights and volumes have been transcribed correctly to LIMS.	NA	/
4. Weights are not targeted to meet exact weights.	NA	NA
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	/
C. Standards and Reagents		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	/
2. Are dates and analysts for cleanups recorded?	NA	NA
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	/
D. Documentation		
1. Are all nonconformances documented appropriately?	NA	NA
2. QuantIMs entry correct, including dates and times.	NA	/
3. Are all fields completed?	NA	/

Spike witness: TR Date: 11/18/10

2nd Level Reviewer: SA Date: 11/21/10

Comments:

AIR, TSP- Total Suspended Particulates

Raw Data Package

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: GOK160437 (1-4) Batch #: 0323369

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 11/19/10 ANALYST: JZ

LEVEL 1 ANALYSIS REVIEW

	YES	NO	NA
1. Samples are in good condition.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Sample filter number matches the folder or petri ID number.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Desiccator temperature and % humidity criteria in control.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Balance calibration criteria met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Beginning and ending calibration sample bracket weights are in calibration.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Samples reached stable weight.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Samples exceeded 5 consecutive final weighings.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LEVEL 1 DATA REVIEW

1. Benchsheet is complete.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. QAS or QAPP consulted and followed for client specifics.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Data entered in properly.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Copy of spreadsheet or logbook raw data entry attached to data package.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Completed By & Date: JZ 11/19/10

LEVEL 2 REVIEW:

1. Level 1 checklist complete and verified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Deviations, Anomalies, Holding times checked and approved.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Reanalysis documented and chemist notified.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Client specific criteria met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Data entry checked and released in Quantims.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Indication on benchsheet or spreadsheet on review and released (dated & signed).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Completed By & Date: SJ 11/24/10

Comments: Desiccator 2A

TestAmerica West Sacramen

PRODUCTION FIGURES - WET CHEM

TOTAL NUMBER	SAMPLE NUMBER	QC	RE-RUN MATRIX	RE-RUN OTHER	MISC NUMBER	TOTAL HOURS	EXPANDED DELIVERABLE
-----------------	------------------	----	------------------	-----------------	----------------	----------------	-------------------------

METHOD: AO Particulates in Air, Suspended "TSP HiVol" (APP B)
 QC BATCH #: 0323369 INITIALS: DATA ENTRY:
 PREP DATE: 11/17/10 11:50 PREP JZ INITIALS JZ
 COMP DATE: 11/17/10 11:50 ANAL JZ DATE 11/19/10
 USER: PHOMSOPT

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
L94MP-1-AA	G-0K160437-001	XX S 88 AO 3W	M	11/19/10	UW-11022010B
L94M4-1-AA	G-0K160437-002	XX S 88 AO 3W	M	11/19/10	DW-11022010B
L94M7-1-AA	G-0K160437-003	XX S 88 AO 3W	M	11/19/10	UW-11032010B
L94M9-1-AA	G-0K160437-004	XX S 88 AO 3W	M	11/19/10	DW-11032010B

Control Limits

PDE115

TestAmerica Laboratories, Inc.
Inorganics Batch Review
QC Batch 0323369

Date 11/24/2010
Time 10:31:43

Method Code:AO Particulates in Air, Suspended "TSP HiVol" (APP B)
Analyst:Ther Phomsopha

Work Order	Result	Units	LDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Result	Output LDL	Dil.
L94MP-1-AA	0.0540	g	0.0005	11/17-11/19/10	.00	N		0.0540	0.0005	1.00
L94M4-1-AA	0.0374	g	0.0005	11/17-11/19/10	.00	N		0.0374	0.0005	1.00
L94M7-1-AA	0.0453	g	0.0005	11/17-11/19/10	.00	N		0.0453	0.0005	1.00
L94M9-1-AA	0.0433	g	0.0005	11/17-11/19/10	.00	N		0.0433	0.0005	1.00

Notes:

TEST TOTAL # SAMPLE # QC # MATRIX # OTHER # MISC # HOURS

0 0 0 0 0 0 .0

PRODUCTION TOTALS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento Balance Calibration Check Log

Working WT Denomination (g)	WEIGHT #1		Working WT Denomination (g)	OBSERVED WEIGHT (g)	WEIGHT #2		DATE	INIT.	WEIGHT ID	P/F ¹
	Lower (g)	Upper (g)			Lower (g)	Upper (g)				
0.2000	0.1995	0.2005	10.00	10.0003	9.900	10.100	11/10/10	JZ	QA-011	P
0.2g	0.1995	0.2005	10.0	10.0001	9.9000	10.100	11/11/10	JZ	QA-11	P
0.2g	0.1995	0.2005	10.0	10.0002	9.9000	10.100	11/10/10	JZ	QA-11	P
0.2g	0.1995	0.2005	10.0	10.0001	9.9000	10.100	11/15/10	JZ	QA-11	P
0.2000	0.1995	0.2005	10.0	9.9997	9.9000	10.100	11/16/10	JZ	QA-011	P
0.2000	0.1995	0.2005	10.0	10.0000	9.9000	10.100	11/17/10	JZ	QA-011	P
0.2000	0.1995	0.2005	10.0	10.0000	9.9000	10.100	11/18/10	JZ	QA-011	P

¹ P= Pass, F= Fail. The observed weight must be within the listed tolerances in order to pass. If calibration check values fall outside acceptance limits, the balance is considered to be out of calibration.

- a) Do not move or use the balance
- b) Attach a sign instructing others not to use the balance (see front of logbook).
- c) Notify the QA department.

² Balance Tolerances (grams):

Denomination	Range	Denomination	Range
0.2000	0.1995 - 0.2005	10	9.9000 - 10.100
0.5000	0.4995 - 0.5005	20	19.8000 - 20.200
1	0.9900 - 1.0100	50	49.5000 - 50.500
2	1.9800 - 2.0200	100	99.0000 - 101.000
5	4.9500 - 5.0500		

Calibration range is (+/-) 1% for top loading balances. The above tolerances have been rounded to meet balance read out capability.

³ When performing Method 1664A, the following Class 1 weights and tolerances must be used (in grams).

Denomination	Range
0.0020	0.0018 - 0.0022
1	0.9950 - 1.0050

Calibration range is (+/-) 10% for 2 mg weight and (+/-) 0.5% for 1 g weight. The above tolerances have been modified to meet balance read out capability.

Reviewed 11/15/10

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento Air Toxics

Desiccator Humidity/Temperature Logbook

Desiccator #	1			2			3			4			5			6			7			Amb		
	Date	Init	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH		
	11/9/10	FOZ	66	34	-	66	29	27	27	27	66	32	66	32	67	34	-	68	36	-	68	32	70	34
	11/10/10	FOZ	67	34	-	68	28	27	27	68	32	68	32	68	34	-	70	36	-	70	32	70	39	70
	11/11/10	SN	65	34	-	66	29	27	27	66	33	66	33	66	34	-	68	35	-	68	32	68	33	68
	11/21/10	FOZ	65	33	-	66	29	28	28	66	33	66	33	66	34	-	68	35	-	68	32	68	33	68
	11/15/10	FOZ	65	32	-	69	29	27	27	68	33	68	33	69	37	-	70	35	-	70	32	70	39	70
	11/16/10	TV	69	32	-	69	30	27	27	70	34	70	34	70	38	-	72	35	-	72	32	73	34	73
	11/17/10	FOZ	66	33	-	67	31	27	27	67	34	67	34	68	36	-	70	35	-	70	32	70	33	70
	11/18/10	FOZ	66	44	1	66	32	28	28	66	34	66	34	66	38	1	68	35	-	68	32	68	37	68
	11/19/10	FOZ	67	29	-	67	33	27	27	67	34	67	34	67	29	-	68	35	-	68	33	70	46	70

Abbreviations: T = Temperature (°F) FN = Foot Note

Limits: RH 33± 5% Temperature 22± 5 °C or 71.6± 9°F

Foot Notes: 1 = Desiccant Changed 2 = Desiccator < 28% Humidity

Revised 11/15/10

Particulate Checklist

PROJECT#: GOK160437

Client: Troa

Dessicator ID#: 2A

IN DESSICATOR: 11/16/10 10:50

- Need FWT1 11/17/10 10:50
- Need FWT2 11/17/10 17:54
- Need FWT3 _____
- Need FWT _____

- Done
- READY TO CUT
- Finished , File away

RDR150

Analytical Results Batch Review/Release

11/24/10

11:54:42

Requested By: VALMORES

<u>Batch</u>	<u>Lot/Sample ID</u>	<u>Analysis Code</u>	<u>W/O#</u>	<u>Group</u>	<u>Message</u>
0323369					Release Requested
0323369					Successfully Released

WEIGHT #1			WEIGHT #2			DATE	INIT.	WEIGHT ID	P/F *1		
Working WT Denomination (g)	OBSERVED WEIGHT (g)	Acceptance limits ²		Working WT Denomination (g)	OBSERVED WEIGHT (g)					Acceptance limits ²	
		Lower (g)	Upper (g)			Lower (g)	Upper (g)				
0.2000	0.1996	0.1995	0.2005	10.000	10.0002	9.9999	10.0100	10/24/10	ECT	QA-011	P
0.2000	0.2003	0.1995	0.2005	10.000	10.0001	9.9000	10.100	10/24/10	ECT	QA-011	P
0.2000	0.2001	0.1995	0.2005	10.0	10.0005	9.9000	10.0100	10/24/10	ECT	QA-011	P
0.2000	0.2002	0.1995	0.2005	10.05	10.0001	9.9000	10.0100	10/24/10	ECT	QA-011	P
0.2000	0.2000	0.1995	0.2005	10.0	10.0004	9.9000	10.0100	10/24/10	ECT	QA-011	P
0.2000	0.2001	0.1995	0.2005	10.0	9.9997	9.9000	10.0100	10/24/10	ECT	QA-011	P
0.2000	0.1999	0.1995	0.2005	10.0	10.0000	9.9000	10.0100	10/24/10	ECT	QA-011	P
0.2000	0.1999	0.1995	0.2005	10.0	9.9999	9.9000	10.0100	10/24/10	ECT	QA-011	P
0.2000	0.1996	0.1995	0.2005	10.0	9.9983	9.9000	10.0100	11/1/10	ECT	QA-011	P
0.2000	0.1996	0.1995	0.2005	10.0	9.9999	9.9000	10.0100	11/3/10	ECT	QA-011	P
0.2000	0.2001	0.1995	0.2005	10.0	10.0004	9.9000	10.0100	11/3/10	ECT	QA-011	P
0.2000	0.2000	0.1995	0.2005	10.0	10.0004	9.9000	10.0100	11/4/10	ECT	QA-011	P
0.2000	0.1999	0.1995	0.2005	10.0	10.0004	9.9000	10.0100	11/4/10	ECT	QA-011	P
0.2000	0.1999	0.1995	0.2005	10.0	10.0000	9.9000	10.0100	11/8/10	ECT	QA-011	P

*1 P= Pass, F= Fail. The observed weight must be within the listed tolerances in order to pass. If calibration check values fall outside acceptance limits, the balance is considered to be out of calibration.

- a) Do not move or use the balance
- b) Attach a sign instructing others not to use the balance (see front of logbook).
- c) Notify the QA department.

*2 Balance Tolerances (grams):

Denomination	Range	Denomination	Range
0.2000	0.1995 - 0.2005	10	9.9000 - 10.100
0.5000	0.4995 - 0.5005	20	19.8000 - 20.200
1	0.9900 - 1.0100	50	49.5000 - 50.500
2	1.9800 - 2.0200	100	99.0000 - 101.000
5	4.9500 - 5.0500		

Calibration range is (+/-) 1% for top loading balances. The above tolerances have been rounded to meet balance read out capability.

*3 When performing Method 1664A, the following Class 1 weights and tolerances must be used (in grams).

Denomination	Range
0.0020	0.0018 - 0.0022
1	0.9950 - 1.0050

Calibration range is (+/-) 10% for 2 mg weight and (+/-) 0.5% for 1 g weight. The above tolerances have been modified to meet balance read out capability.

Desiccator #	1			2			3			4			5			6			7			Amb			
	Date	Init	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH			
	10/22/10	ECF	70	33	-	71	28	-	72	35	-	71	37	-	71	38	-	73	35	-	72	31	-	73	45
	11/2/10	SV	70	33	-	71	28	-	72	36	-	72	41	①	71	42	①	73	35	-	72	32	-	73	56
	11/23/10	SV	65	33	-	69	28	-	70	37	-	69	28	-	70	28	-	72	35	-	72	34	-	72	43
	10/26/10	ECF	68	33	-	68	28	-	70	36	-	68	28	-	69	28	-	70	35	-	70	32	-	70	34
	10/27/10	ECF	67	33	-	68	28	-	69	35	-	68	28	-	68	28	-	70	34	-	70	31	-	70	30
	10/28/10	ECF	65	34	-	66	29	-	66	36	-	65	29	-	66	29	-	68	34	-	66	31	-	68	40
	10/29/10	ECF	65	33	-	66	29	-	67	37	-	65	29	-	66	29	-	68	34	-	66	31	-	68	48
	10/31/10	ECF	65	34	-	65	30	-	66	40	-	65	29	-	66	29	-	68	35	-	66	32	-	68	49
	11/2/10	ECF	65	34	-	66	32	-	67	41	-	65	30	-	66	29	-	68	35	-	66	32	-	68	50
	11/3/10	ECF	65	34	-	66	34	-	66	42	-	65	29	-	66	29	-	68	36	-	66	33	-	68	51
	11/4/10	ECF	68	33	-	69	36	①	70	42	①	68	29	-	69	29	-	70	37	-	70	32	-	72	49
	11/5/10	ECF	69	33	-	69	28	-	70	43	①	69	30	-	70	32	-	70	37	-	70	32	-	72	49
	11/5/10	ECF	72	33	-	72	27	②	74	28	-	72	29	-	73	33	-	73	37	-	73	32	-	75	43
	11/7/10	SV	69	33	-	70	28	-	71	27	②	70	31	-	70	26	-	72	37	-	72	32	-	72	59
	11/8/10	ECF	66	34	-	66	29	-	67	28	-	66	32	-	67	35	-	68	36	-	68	33	-	68	38

Abbreviations: T = Temperature (°F)
 Limits: RH 33± 5%
 Foot Notes: 1 = Desiccant Changed
 RH = Relative Humidity (%)
 Temperature 22± 5 °C or 71.6± 9°F
 2 = Desiccator < 28% Humidity
 FN = Foot Note