SEVERN TRENT STL

STL Sacramento
880 Riverside Parkway
West Sacramento, CA 95605

Tel: 916 373 5600 Fax: 916 372 1059
www.stl-inc.com

May 30, 2006

STL SACRAMENTO PROJECT NUMBER: G6E180219
PO/CONTRACT: 129682.001/Event 79

Guy Graening
Brown and Caldwell
10540 White Rock Road
Suite 180
Rancho Cordova, CA 95670

Dear Mr. Graening,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on May 18, 2006. These samples are associated with your Event 79 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) 374-4384.

Sincerely,

Karen Dahl
Project Manager

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STL Sacramento Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

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- Sample Data Sheet
- Method Blank Report
- Laboratory QC Reports

AIR, TSP
Samples: 1, 2, 3, 4, 5, 6, 7, 8
AIR, PM-10
Samples: 9, 10, 11, 12, 13, 14, 15
- Sample Data Sheet

Raw Data Package

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G6E180219

AIR, TSP
The final weights for samples 000464 & 000465 were less than the initial weights for these results were reported as 'ND'.

There were no other anomalies associated with this project.

SEVERN TRENT STL

ACCREDITED IN ACCORDANCE WITH nelac

STL Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	Oregon*	CA 200005
Arizona	AZ0616	Pennsylvania	68-1272
Arkansas	04-067-0	South Carolina	87014002
California*	01119CA	Texas	TX 270-2004A
Colorado	NA	Utah*	QUAN1
Connecticut	PH-0691	Virginia	00178
Florida*	E87570	Washington	C087
Georgia	960	West Virginia	9930C, 334
Hawaii	NA	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613
New York*	11666		

*NELAP accredited. A more detailed parameter list is available upon request. Update 1/27/05

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 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
G6E180219

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
H5NJL	1	000458	5/15/2006 10:15 AM	5/18/2006 09:15 AM
H5NJM	2	000459	5/15/2006 10:35 AM	5/18/2006 09:15 AM
H5NJN	3	000460	5/15/2006 10:55 AM	5/18/2006 09:15 AM
H5NJP	4	000461	5/15/2006 11:10 AM	5/18/2006 09:15 AM
H5NJQ	5	000462	5/15/2006 11:25 AM	5/18/2006 09:15 AM
H5NJR	6	000463	5/15/2006 11:35 AM	5/18/2006 09:15 AM
H5NJT	7	000464	5/15/2006 10:40 AM	5/18/2006 09:15 AM
H5NJV	8	000465	5/15/2006 11:00 AM	5/18/2006 09:15 AM
H5NJW	9	P-0630	5/15/2006 10:10 AM	5/18/2006 09:15 AM
H5NJ1	10	P-0631	5/15/2006 10:30 AM	5/18/2006 09:15 AM
H5NJ3	11	P-0632	5/15/2006 10:50 AM	5/18/2006 09:15 AM
H5NJ4	12	P-0633	5/15/2006 11:05 AM	5/18/2006 09:15 AM
H5NJ5	13	P-0634	5/15/2006 11:20 AM	5/18/2006 09:15 AM
H5NJ6	14	P-0635	5/15/2006 11:30 AM	5/18/2006 09:15 AM
H5NJ7	15	P-0636	5/15/2006 10:20 AM	5/18/2006 09:15 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

BROWN AND CALDWELL

CHAIN OF CUSTODY RECORD

COC No. _____

Event 79

YERA000158

☒ 3264 Goni Road / Suite 153
Carson City, NV 89706
775-883-4118 / FAX 775-883-5108

☐ 4425 W. Spring Mountain Road / Suite 225
Las Vegas, NV 89102
702-938-4080 / FAX 702-938-4082

☐ 201 East Washington Street / Suite 500
Phoenix, AZ 85004
602-567-4000 / FAX 602-567-4001

PROJECT NAME: Yerington Air Qlty

PROJECT NUMBER: 121243

LABORATORY NAME & ADDRESS: SEVERN TRENT LABS., WEST SACRAMENTO,

LINE NO.	SAMPLE – I.D.	COLLECTION DATE	COLLECTION TIME	SAMPLER'S INITIALS	NUMBER OF CONTAINERS	CONTAINER SIZE AND TYPE	PRESER-VATIVE	MATRIX CODE	ANALYSES REQUESTED	FIELD FILTERED	QC – REQ	~~TAT~~	SAMPLING METHOD	DEPTH (FT.) BEGIN ---- END	PID READING (ppm)
01	-000458	5/15/06	10:15	MS	1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
02	-000459		10:35		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
03	-000460		10:55		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
04	-000461		11:10		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
05	-000462		11:25		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
06	-000463		11:35		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
07	-000464		10:40		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
08	-000465		11:00		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
09														----	
10														----	

COLLECTED & RELEASED BY: Mark Thomas	DATE 5/17/06	TIME 1600	COOLER I.D.:			COMMENTS (see note on back):
RECEIVED BY: Cheng Vu	DATE 5/18/06	TIME 10:25	RELINQUISHED BY:	DATE / /	TIME :	
RECORD RETURNED BY:	DATE / /	TIME :				
COURIER: FED EX			SHIPPING NUMBER: 7919 4464 1703			ON

DISTRIBUTION: WHITE – PROJECT FILE • CANARY – LAB RECEIPT • PINK – DATA MANAGEMENT • GOLDENROD – FIELD

USE A BALLPOINT PEN, BLACK INK, AND PRESS FIRMLY. INSTRUCTIONS ARE ON THE BACK.

BROWN AND CALDWELL

CHAIN OF CUSTODY RECORD

COC No. _____

Event 79

YERA000157

☒ 3264 Goni Road / Suite 153
Carson City, NV 89706
775-883-4118 / FAX 775-883-5108

☐ 4425 W. Spring Mountain Road / Suite 225
Las Vegas, NV 89102
702-938-4080 / FAX 702-938-4082

☐ 201 East Washington Street / Suite 500
Phoenix, AZ 85004
602-567-4000 / FAX 602-567-4001

PROJECT NAME: Yerington Air Qlty

PROJECT NUMBER: 121243

LABORATORY NAME & ADDRESS: SEVERN TRENT LABS., WEST SACRAMENTO,

LINE NO.	SAMPLE – I.D.	COLLECTION DATE	COLLECTION TIME	SAMPLER'S INITIALS	NUMBER OF CONTAINERS	CONTAINER SIZE AND TYPE	PRESER-VATIVE	MATRIX CODE	ANALYSES REQUESTED	FIELD FILTERED	QC – REQ	~~TAT~~	SAMPLING METHOD	DEPTH (FT.) BEGIN ---- END	PID READING (ppm)
01	-P-0630	5/15/06	10:10	MS	1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
02	-P-0631		10:30		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
03	-P-0632		10:50		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
04	-P-0633		11:05		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
05	-P-0634		11:20		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
06	-P-0635		11:30		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
07	-P-0636		10:20		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
08														----	
09														----	
10														----	

COLLECTED & RELEASED BY: Mauno Sherman	DATE 5/17/06	TIME 16:00	COOLER I.D.:			COMMENTS (see note on back):
RECEIVED BY: Cheng Vike	DATE 5/18/06	TIME 10:25	RELINQUISHED BY:	DATE / /	TIME :	
RECORD RETURNED BY:	DATE / /	TIME :				dv
COURIER: FED EX			SHIPPING NUMBER: 791944641703			

DISTRIBUTION: WHITE – PROJECT FILE • CANARY – LAB RECEIPT • PINK – DATA MANAGEMENT • GOLDENROD – FIELD

USE A BALLPOINT PEN, BLACK INK, AND PRESS FIRMLY. INSTRUCTIONS ARE ON THE BACK.

G6E180219
STL Sacramento (916) 373-5600

SEVERN TRENT STL

LOT RECEIPT CHECKLIST
STL Sacramento

CLIENT Brown & Caldwell PM KD LOG # 38936

LOT# (QUANTIMS ID) G6E180219 QUOTE# 62684 LOCATION AC

	Initials	Date
DATE RECEIVED 5/18/06 TIME RECEIVED 0915	CV	5/18/06

DELIVERED BY
- [x] FEDEX
- [ ] CA OVERNIGHT
- [ ] CLIENT
- [ ] AIRBORNE
- [ ] GOLDENSTATE
- [ ] DHL
- [ ] UPS
- [ ] BAX GLOBAL
- [ ] GO-GETTERS
- [ ] STL COURIER
- [ ] COURIERS ON DEMAND
- [ ] OTHER

CUSTODY SEAL STATUS [ ] INTACT [ ] BROKEN [x] N/A

CUSTODY SEAL #(S) _____

SHIPPPING CONTAINER(S) [ ] STL [x] CLIENT [ ] N/A

TEMPERTURE RECORD (IN °C) IR 1 [ ] 3 [ ] [ ] OTHER NA

COC #(S) _____

TEMPERATURE BLANK Observed: _____ Corrected: _____

SAMPLE TEMPERATURE

Observed: ambient Average: _____ Corrected Average: _____

COLLECTOR'S NAME: [ ] Verified from COC [x] Not on COC

pH MEASURED [ ] YES [ ] ANOMALY [x] N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW _____ [x] NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM [x] N/A

VOA-ENCORES [x] N/A

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

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

[ ] Clouseau [ ] TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 [x] N/A

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

Notes: _____

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

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE. INITIAL AND DATE ALL "N/A" ENTRIES.

SEVERN TRENT STL

Bottle Lot Inventory

Lot ID: G6E180219

	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																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

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

QA-185 3/05 EM

Page 2

AIR, Metals – Various Methods

Brown and Caldwell

Client Sample ID: 000458

TOTAL Metals

Lot-Sample #...: G6E180219-001 **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6142358						
Silver	**0.11 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJL1AH**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**3.6**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJL1AJ**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5NJL1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.032 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJL1AL**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.24 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJL1AM**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	**6.0 B**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJL1AN**
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJL1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**232**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJL1AQ**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**53.7**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJL1AR**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	**3.9 B**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJL1AT**
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	**5.4 B**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJL1AU**
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**8.5**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJL1AV**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJL1AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**6.3 B,J**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJL1AX**
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000458

TOTAL Metals

Lot-Sample #...: G6E180219-001 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	22.5 B	24.0	ug	SW846 6020	05/22-05/23/06	H5NJL1A0
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6142369						
Aluminum	1180	240	ug	SW846 6010B	05/22-05/25/06	H5NJL1AC
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	2050 B	3000	ug	SW846 6010B	05/22-05/25/06	H5NJL1AD
		Dilution Factor: 1		MDL.....: 898		
Iron	1550	120	ug	SW846 6010B	05/22-05/25/06	H5NJL1AE
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	874	600	ug	SW846 6010B	05/22-05/25/06	H5NJL1AF
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	9610	6000	ug	SW846 6010B	05/22-05/25/06	H5NJL1AG
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144553						
Mercury	0.046 B,J	0.12	ug	SW846 7471A	05/24/06	H5NJL1A1
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000459

TOTAL Metals

Lot-Sample #...: G6E180219-002 **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6142358						
Silver	**0.082 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJM1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**3.0 B**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJM1AL**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5NJM1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.021 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJM1AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.19 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJM1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJM1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJM1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**182**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJM1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**39.1**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJM1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	**2.2 B**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJM1AV**
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	**3.6 B**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJM1AW**
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**6.4**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJM1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJM1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**5.3 B,J**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJM1A1**
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000459

TOTAL Metals

Lot-Sample #...: G6E180219-002 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	17.6 B	24.0	ug	SW846 6020	05/22-05/23/06	H5NJM1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6142369						
Aluminum	907	240	ug	SW846 6010B	05/22-05/25/06	H5NJM1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1600 B	3000	ug	SW846 6010B	05/22-05/25/06	H5NJM1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	1140	120	ug	SW846 6010B	05/22-05/25/06	H5NJM1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	635	600	ug	SW846 6010B	05/22-05/25/06	H5NJM1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	5340 B	6000	ug	SW846 6010B	05/22-05/25/06	H5NJM1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144553						
Mercury	0.047 B,J	0.12	ug	SW846 7471A	05/24/06	H5NJM1AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000460

TOTAL Metals

Lot-Sample #...: G6E180219-003 **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6142358						
Silver	**0.051 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJN1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**2.0 B**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJN1AL**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5NJN1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJN1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.088 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJN1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJN1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJN1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**130**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJN1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**25.8**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJN1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJN1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	**3.5 B**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJN1AW**
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**4.2**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJN1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJN1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**5.1 B,J**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJN1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000460

TOTAL Metals

Lot-Sample #...: G6E180219-003 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	15.3 B	24.0	ug	SW846 6020	05/22-05/23/06	H5NJN1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6142369						
Aluminum	604	240	ug	SW846 6010B	05/22-05/25/06	H5NJN1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1190 B	3000	ug	SW846 6010B	05/22-05/25/06	H5NJN1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	800	120	ug	SW846 6010B	05/22-05/25/06	H5NJN1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	471 B	600	ug	SW846 6010B	05/22-05/25/06	H5NJN1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H5NJN1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144553						
Mercury	0.026 B,J	0.12	ug	SW846 7471A	05/24/06	H5NJN1AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000461

TOTAL Metals

Lot-Sample #...: G6E180219-004 **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6142358						
Silver	**0.050 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJP1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**2.3 B**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJP1AL**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5NJP1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.013 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJP1AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.15 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJP1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJP1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJP1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**138**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJP1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**32.0**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJP1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJP1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJP1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**4.3**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJP1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJP1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**5.0 B,J**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJP1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000461

TOTAL Metals

Lot-Sample #...: G6E180219-004 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	21.0 B	24.0	ug	SW846 6020	05/22-05/23/06	H5NJP1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6142369						
Aluminum	750	240	ug	SW846 6010B	05/22-05/25/06	H5NJP1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1400 B	3000	ug	SW846 6010B	05/22-05/25/06	H5NJP1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	983	120	ug	SW846 6010B	05/22-05/25/06	H5NJP1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	568 B	600	ug	SW846 6010B	05/22-05/25/06	H5NJP1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H5NJP1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144553						
Mercury	0.049 B,J	0.12	ug	SW846 7471A	05/24/06	H5NJP1AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000462

TOTAL Metals

Lot-Sample #...: G6E180219-005 **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6142358						
Silver	**0.023 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJQ1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**3.3 B**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJQ1AL**
		Dilution Factor: 1		MDL.....: 1.9		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJQ1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJQ1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**82.9**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJQ1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**38.9**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJQ1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	**1.9 B**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJQ1AV**
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJQ1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**6.7**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJQ1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJQ1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**5.4 B,J**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJQ1A1**
		Dilution Factor: 1		MDL.....: 2.9		
Zinc	**21.2 B**	**24.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJQ1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Cadmium	**0.19 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJQ1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5NJQ1AM
		Dilution Factor: 1		MDL.....: 34.8		

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Brown and Caldwell

Client Sample ID: 000462

TOTAL Metals

Lot-Sample #...: G6E180219-005 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJQ1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Prep Batch #...: 6142369						
Aluminum	**932**	**240**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H5NJQ1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Iron	**1230**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H5NJQ1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**686**	**600**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H5NJQ1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	**5870 B**	**6000**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H5NJQ1AJ**
		Dilution Factor: 1		MDL.....: 2020		
Calcium	**1780 B**	**3000**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H5NJQ1AF**
		Dilution Factor: 1		MDL.....: 898		
Prep Batch #...: 6144553						
Mercury	**0.048 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H5NJQ1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000463

TOTAL Metals

Lot-Sample #...: G6E180219-006 **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6142358						
Silver	**0.027 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJR1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**3.3 B**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJR1AL**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5NJR1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.013 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJR1AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.20 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJR1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJR1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJR1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**88.2**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJR1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**43.3**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJR1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	**1.9 B**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJR1AV**
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJR1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**6.4**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJR1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJR1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**5.8 B,J**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJR1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000463

TOTAL Metals

Lot-Sample #...: G6E180219-006 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	23.2 B	24.0	ug	SW846 6020	05/22-05/23/06	H5NJR1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6142369						
Aluminum	1080	240	ug	SW846 6010B	05/22-05/25/06	H5NJR1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1840 B	3000	ug	SW846 6010B	05/22-05/25/06	H5NJR1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	1350	120	ug	SW846 6010B	05/22-05/25/06	H5NJR1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	749	600	ug	SW846 6010B	05/22-05/25/06	H5NJR1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	6280	6000	ug	SW846 6010B	05/22-05/25/06	H5NJR1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144553						
Mercury	0.055 B,J	0.12	ug	SW846 7471A	05/24/06	H5NJR1AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000464

TOTAL Metals

Lot-Sample #...: G6E180219-007 **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6142358						
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJT1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJT1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5NJT1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJT1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJT1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJT1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJT1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJT1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJT1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJT1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJT1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJT1AX
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJT1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.2 B,J**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJT1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000464

TOTAL Metals

Lot-Sample #...: G6E180219-007 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	05/22-05/23/06	H5NJT1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6142369						
Aluminum	ND	240	ug	SW846 6010B	05/22-05/25/06	H5NJT1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/22-05/25/06	H5NJT1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**22.0 B**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H5NJT1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	ND	600	ug	SW846 6010B	05/22-05/25/06	H5NJT1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H5NJT1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144553						
Mercury	**0.0084 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H5NJT1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000465

TOTAL Metals

Lot-Sample #...: G6E180219-008 **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6142358						
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJV1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJV1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5NJV1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJV1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJV1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJV1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJV1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJV1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJV1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJV1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJV1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJV1AX
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJV1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJV1A1
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000465

TOTAL Metals

Lot-Sample #...: G6E180219-008 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	05/22-05/23/06	H5NJV1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6142369						
Aluminum	ND	240	ug	SW846 6010B	05/22-05/25/06	H5NJV1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/22-05/25/06	H5NJV1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**20.8 B**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H5NJV1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	ND	600	ug	SW846 6010B	05/22-05/25/06	H5NJV1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H5NJV1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144553						
Mercury	**0.0090 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H5NJV1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0630

TOTAL Metals

Lot-Sample #...: G6E180219-009 **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6142358						
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJW1AH
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**2.1 B**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJW1AJ**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5NJW1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJW1AL
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.14 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJW1AM**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJW1AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJW1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**30.6**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJW1AQ**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**20.0**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJW1AR**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJW1AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJW1AU
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**5.4**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJW1AV**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJW1AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.8 B,J**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJW1AX**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0630

TOTAL Metals

Lot-Sample #...: G6E180219-009 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	12.1 B	24.0	ug	SW846 6020	05/22-05/23/06	H5NJW1A0
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6142369						
Aluminum	436	240	ug	SW846 6010B	05/22-05/25/06	H5NJW1AC
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1160 B	3000	ug	SW846 6010B	05/22-05/25/06	H5NJW1AD
		Dilution Factor: 1		MDL.....: 898		
Iron	578	120	ug	SW846 6010B	05/22-05/25/06	H5NJW1AE
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	390 B	600	ug	SW846 6010B	05/22-05/25/06	H5NJW1AF
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	3530 B	6000	ug	SW846 6010B	05/22-05/25/06	H5NJW1AG
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144553						
Mercury	0.026 B,J	0.12	ug	SW846 7471A	05/24/06	H5NJW1A1
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0631

TOTAL Metals

Lot-Sample #...: G6E180219-010 **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6142358						
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJ11AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJ11AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5NJ11AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJ11AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.13 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ11AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJ11AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJ11AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**23.2**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ11AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**18.9**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ11AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJ11AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJ11AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**4.8**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ11AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJ11A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.7 B,J**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ11A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0631

TOTAL Metals

Lot-Sample #...: G6E180219-010 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	11.7 B	24.0	ug	SW846 6020	05/22-05/23/06	H5NJ11AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6142369						
Aluminum	422	240	ug	SW846 6010B	05/22-05/25/06	H5NJ11AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1130 B	3000	ug	SW846 6010B	05/22-05/25/06	H5NJ11AF
		Dilution Factor: 1		MDL.....: 898		
Iron	543	120	ug	SW846 6010B	05/22-05/25/06	H5NJ11AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	368 B	600	ug	SW846 6010B	05/22-05/25/06	H5NJ11AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	2630 B	6000	ug	SW846 6010B	05/22-05/25/06	H5NJ11AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144553						
Mercury	0.031 B,J	0.12	ug	SW846 7471A	05/24/06	H5NJ11AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0632

TOTAL Metals

Lot-Sample #...: G6E180219-011 **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6142358						
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJ31AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**2.2 B**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ31AL**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5NJ31AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJ31AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.16 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ31AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJ31AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJ31AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**48.6**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ31AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**21.7**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ31AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJ31AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJ31AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**6.0**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ31AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJ31A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.9 B,J**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ31A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0632

TOTAL Metals

Lot-Sample #...: G6E180219-011 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	14.0 B	24.0	ug	SW846 6020	05/22-05/23/06	H5NJ31AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6142369						
Aluminum	562	240	ug	SW846 6010B	05/22-05/25/06	H5NJ31AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1320 B	3000	ug	SW846 6010B	05/22-05/25/06	H5NJ31AF
		Dilution Factor: 1		MDL.....: 898		
Iron	735	120	ug	SW846 6010B	05/22-05/25/06	H5NJ31AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	491 B	600	ug	SW846 6010B	05/22-05/25/06	H5NJ31AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	3210 B	6000	ug	SW846 6010B	05/22-05/25/06	H5NJ31AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144553						
Mercury	0.038 B,J	0.12	ug	SW846 7471A	05/24/06	H5NJ31AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0633

TOTAL Metals

Lot-Sample #...: G6E180219-012 **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6142358						
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJ41AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**2.1 B**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ41AL**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5NJ41AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJ41AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.17 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ41AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJ41AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJ41AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**21.5**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ41AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**27.2**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ41AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJ41AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJ41AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**6.2**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ41AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJ41A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**4.4 B,J**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ41A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0633

TOTAL Metals

Lot-Sample #...: G6E180219-012 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	21.8 B	24.0	ug	SW846 6020	05/22-05/23/06	H5NJ41AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6142369						
Aluminum	653	240	ug	SW846 6010B	05/22-05/25/06	H5NJ41AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1540 B	3000	ug	SW846 6010B	05/22-05/25/06	H5NJ41AF
		Dilution Factor: 1		MDL.....: 898		
Iron	891	120	ug	SW846 6010B	05/22-05/25/06	H5NJ41AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	556 B	600	ug	SW846 6010B	05/22-05/25/06	H5NJ41AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	2590 B	6000	ug	SW846 6010B	05/22-05/25/06	H5NJ41AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144553						
Mercury	0.041 B,J	0.12	ug	SW846 7471A	05/24/06	H5NJ41AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0634

TOTAL Metals

Lot-Sample #...: G6E180219-013 **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6142358						
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJ51AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**2.1 B**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ51AL**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5NJ51AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJ51AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.13 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ51AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJ51AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJ51AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**16.8**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ51AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**18.9**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ51AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJ51AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJ51AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**4.8**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ51AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJ51A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**4.1 B,J**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ51A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0634

TOTAL Metals

Lot-Sample #...: G6E180219-013 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	11.8 B	24.0	ug	SW846 6020	05/22-05/23/06	H5NJ51AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6142369						
Aluminum	427	240	ug	SW846 6010B	05/22-05/25/06	H5NJ51AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1150 B	3000	ug	SW846 6010B	05/22-05/25/06	H5NJ51AF
		Dilution Factor: 1		MDL.....: 898		
Iron	575	120	ug	SW846 6010B	05/22-05/25/06	H5NJ51AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	386 B	600	ug	SW846 6010B	05/22-05/25/06	H5NJ51AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	2570 B	6000	ug	SW846 6010B	05/22-05/25/06	H5NJ51AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144553						
Mercury	0.031 B,J	0.12	ug	SW846 7471A	05/24/06	H5NJ51AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0635

TOTAL Metals

Lot-Sample #...: G6E180219-014 **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6142358						
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJ61AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**2.1 B**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ61AL**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5NJ61AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJ61AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.11 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ61AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJ61AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJ61AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**22.7**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ61AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**18.9**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ61AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJ61AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJ61AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**4.2**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ61AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJ61A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.8 B,J**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ61A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0635

TOTAL Metals

Lot-Sample #...: G6E180219-014 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	11.2 B	24.0	ug	SW846 6020	05/22-05/23/06	H5NJ61AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6142369						
Aluminum	438	240	ug	SW846 6010B	05/22-05/25/06	H5NJ61AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1090 B	3000	ug	SW846 6010B	05/22-05/25/06	H5NJ61AF
		Dilution Factor: 1		MDL.....: 898		
Iron	549	120	ug	SW846 6010B	05/22-05/25/06	H5NJ61AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	365 B	600	ug	SW846 6010B	05/22-05/25/06	H5NJ61AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	2220 B	6000	ug	SW846 6010B	05/22-05/25/06	H5NJ61AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144553						
Mercury	0.027 B,J	0.12	ug	SW846 7471A	05/24/06	H5NJ61AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0636

TOTAL Metals

Lot-Sample #...: G6E180219-015 **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6142358						
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJ71AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**2.5 B**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ71AL**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5NJ71AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5NJ71AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.12 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ71AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJ71AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5NJ71AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**34.9**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ71AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**19.0**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ71AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJ71AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5NJ71AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**5.4**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ71AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5NJ71A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**4.0 B,J**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5NJ71A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0636

TOTAL Metals

Lot-Sample #...: G6E180219-015 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	10.4 B	24.0	ug	SW846 6020	05/22-05/23/06	H5NJ71AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6142369						
Aluminum	432	240	ug	SW846 6010B	05/22-05/25/06	H5NJ71AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1080 B	3000	ug	SW846 6010B	05/22-05/25/06	H5NJ71AF
		Dilution Factor: 1		MDL.....: 898		
Iron	561	120	ug	SW846 6010B	05/22-05/25/06	H5NJ71AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	361 B	600	ug	SW846 6010B	05/22-05/25/06	H5NJ71AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	3250 B	6000	ug	SW846 6010B	05/22-05/25/06	H5NJ71AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144553						
Mercury	0.028 B,J	0.12	ug	SW846 7471A	05/24/06	H5NJ71AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

QC DATA ASSOCIATION SUMMARY

G6E180219

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AIR	SW846 6020		6142358	
	AIR	SW846 7471A		6144553	
	AIR	SW846 6010B		6142369	
002	AIR	SW846 6020		6142358	
	AIR	SW846 7471A		6144553	
	AIR	SW846 6010B		6142369	
003	AIR	SW846 6020		6142358	
	AIR	SW846 7471A		6144553	
	AIR	SW846 6010B		6142369	
004	AIR	SW846 6020		6142358	
	AIR	SW846 7471A		6144553	
	AIR	SW846 6010B		6142369	
005	AIR	SW846 6020		6142358	
	AIR	SW846 7471A		6144553	
	AIR	SW846 6010B		6142369	
006	AIR	SW846 6020		6142358	
	AIR	SW846 7471A		6144553	
	AIR	SW846 6010B		6142369	
007	AIR	SW846 6020		6142358	
	AIR	SW846 7471A		6144553	
	AIR	SW846 6010B		6142369	
008	AIR	SW846 6020		6142358	
	AIR	SW846 7471A		6144553	
	AIR	SW846 6010B		6142369	
009	AIR	SW846 6020		6142358	
	AIR	SW846 7471A		6144553	
	AIR	SW846 6010B		6142369	
010	AIR	SW846 6020		6142358	
	AIR	SW846 7471A		6144553	
	AIR	SW846 6010B		6142369	
011	AIR	SW846 6020		6142358	
	AIR	SW846 7471A		6144553	
	AIR	SW846 6010B		6142369	

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QC DATA ASSOCIATION SUMMARY

G6E180219

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
012	AIR	SW846 6020		6142358	
	AIR	SW846 7471A		6144553	
	AIR	SW846 6010B		6142369	
013	AIR	SW846 6020		6142358	
	AIR	SW846 7471A		6144553	
	AIR	SW846 6010B		6142369	
014	AIR	SW846 6020		6142358	
	AIR	SW846 7471A		6144553	
	AIR	SW846 6010B		6142369	
015	AIR	SW846 6020		6142358	
	AIR	SW846 7471A		6144553	
	AIR	SW846 6010B		6142369	

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: G6E180219 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G6E220000-358 **Prep Batch #...:** 6142358						
Arsenic	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5XGM1AC
		Dilution Factor: 1				
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5XGM1AD
		Dilution Factor: 1				
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5XGM1AE
		Dilution Factor: 1				
Cadmium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5XGM1AF
		Dilution Factor: 1				
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5XGM1AH
		Dilution Factor: 1				
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5XGM1AG
		Dilution Factor: 1				
Copper	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5XGM1AJ
		Dilution Factor: 1				
Lead	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5XGM1AN
		Dilution Factor: 1				
Manganese	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5XGM1AK
		Dilution Factor: 1				
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5XGM1AL
		Dilution Factor: 1				
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5XGM1AM
		Dilution Factor: 1				
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5XGM1AP
		Dilution Factor: 1				
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5XGM1AA
		Dilution Factor: 1				
Vanadium	**2.9 B**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H5XGM1AQ**
		Dilution Factor: 1				
Zinc	ND	24.0	ug	SW846 6020	05/22-05/23/06	H5XGM1AR
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: G6E180219 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G6E220000-369 **Prep Batch #...:** 6142369						
Aluminum	ND	240	ug	SW846 6010B	05/22-05/25/06	H5XG21AA
		Dilution Factor: 1				
Calcium	ND	3000	ug	SW846 6010B	05/22-05/25/06	H5XG21AC
		Dilution Factor: 1				
Iron	ND	120	ug	SW846 6010B	05/22-05/25/06	H5XG21AD
		Dilution Factor: 1				
Magnesium	ND	600	ug	SW846 6010B	05/22-05/25/06	H5XG21AE
		Dilution Factor: 1				
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H5XG21AF
		Dilution Factor: 1				
MB Lot-Sample #: G6E240000-553 **Prep Batch #...:** 6144553						
Mercury	**0.0084 B**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H54E71AA**
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6E180219 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Arsenic	240	231	ug	96		SW846 6020	05/22-05/23/06	6142358
	240	229	ug	96	0.59	SW846 6020	05/22-05/23/06	6142358
			Dilution Factor: 1					
Barium	240	239	ug	99		SW846 6020	05/22-05/23/06	6142358
	240	242	ug	101	1.5	SW846 6020	05/22-05/23/06	6142358
			Dilution Factor: 1					
Beryllium	240	232	ug	97		SW846 6020	05/22-05/23/06	6142358
	240	220	ug	92	5.3	SW846 6020	05/22-05/23/06	6142358
			Dilution Factor: 1					
Cadmium	240	226	ug	94		SW846 6020	05/22-05/23/06	6142358
	240	233	ug	97	3.0	SW846 6020	05/22-05/23/06	6142358
			Dilution Factor: 1					
Chromium	240	232	ug	97		SW846 6020	05/22-05/23/06	6142358
	240	230	ug	96	0.93	SW846 6020	05/22-05/23/06	6142358
			Dilution Factor: 1					
Cobalt	240	223	ug	93		SW846 6020	05/22-05/23/06	6142358
	240	220	ug	92	1.4	SW846 6020	05/22-05/23/06	6142358
			Dilution Factor: 1					
Copper	240	246	ug	102		SW846 6020	05/22-05/23/06	6142358
	240	240	ug	100	2.3	SW846 6020	05/22-05/23/06	6142358
			Dilution Factor: 1					
Lead	240	216	ug	90		SW846 6020	05/22-05/23/06	6142358
	240	221	ug	92	2.0	SW846 6020	05/22-05/23/06	6142358
			Dilution Factor: 1					
Manganese	240	220	ug	92		SW846 6020	05/22-05/23/06	6142358
	240	215	ug	90	2.5	SW846 6020	05/22-05/23/06	6142358
			Dilution Factor: 1					
Molybdenum	240	249	ug	104		SW846 6020	05/22-05/23/06	6142358
	240	245	ug	102	1.6	SW846 6020	05/22-05/23/06	6142358
			Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6E180219 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nickel	240	236	ug	98		SW846 6020	05/22-05/23/06	6142358
	240	236	ug	98	0.15	SW846 6020	05/22-05/23/06	6142358
			Dilution Factor: 1					
Selenium	240	232	ug	97		SW846 6020	05/22-05/23/06	6142358
	240	232	ug	97	0.12	SW846 6020	05/22-05/23/06	6142358
			Dilution Factor: 1					
Silver	60.0	59.3	ug	99		SW846 6020	05/22-05/23/06	6142358
	60.0	60.2	ug	100	1.6	SW846 6020	05/22-05/23/06	6142358
			Dilution Factor: 1					
Vanadium	240	222	ug	92		SW846 6020	05/22-05/23/06	6142358
	240	215	ug	90	3.0	SW846 6020	05/22-05/23/06	6142358
			Dilution Factor: 1					
Zinc	240	237	ug	99		SW846 6020	05/22-05/23/06	6142358
	240	238	ug	99	0.67	SW846 6020	05/22-05/23/06	6142358
			Dilution Factor: 1					
Aluminum	2400	2340	ug	98		SW846 6010B	05/22-05/25/06	6142369
	2400	2330	ug	97	0.35	SW846 6010B	05/22-05/25/06	6142369
			Dilution Factor: 1					
Calcium	60000	57300	ug	95		SW846 6010B	05/22-05/25/06	6142369
	60000	56100	ug	94	2.0	SW846 6010B	05/22-05/25/06	6142369
			Dilution Factor: 1					
Iron	1200	1210	ug	101		SW846 6010B	05/22-05/25/06	6142369
	1200	1180	ug	99	2.3	SW846 6010B	05/22-05/25/06	6142369
			Dilution Factor: 1					
Magnesium	60000	57400	ug	96		SW846 6010B	05/22-05/25/06	6142369
	60000	56500	ug	94	1.6	SW846 6010B	05/22-05/25/06	6142369
			Dilution Factor: 1					
Sodium	60000	54700	ug	91		SW846 6010B	05/22-05/25/06	6142369
	60000	54300	ug	90	0.74	SW846 6010B	05/22-05/25/06	6142369
			Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6E180219 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Mercury	0.600	0.587	ug	98		SW846 7471A	05/24/06	6144553
	0.600	0.595	ug	99	1.3	SW846 7471A	05/24/06	6144553

Dilution Factor: 1

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6E180219 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Arsenic	96	(75 - 125)			SW846 6020	05/22-05/23/06	6142358
	96	(75 - 125)	0.59	(0-20)	SW846 6020	05/22-05/23/06	6142358
		Dilution Factor: 1					
Barium	99	(75 - 125)			SW846 6020	05/22-05/23/06	6142358
	101	(75 - 125)	1.5	(0-20)	SW846 6020	05/22-05/23/06	6142358
		Dilution Factor: 1					
Beryllium	97	(75 - 125)			SW846 6020	05/22-05/23/06	6142358
	92	(75 - 125)	5.3	(0-20)	SW846 6020	05/22-05/23/06	6142358
		Dilution Factor: 1					
Cadmium	94	(75 - 125)			SW846 6020	05/22-05/23/06	6142358
	97	(75 - 125)	3.0	(0-20)	SW846 6020	05/22-05/23/06	6142358
		Dilution Factor: 1					
Chromium	97	(75 - 125)			SW846 6020	05/22-05/23/06	6142358
	96	(75 - 125)	0.93	(0-20)	SW846 6020	05/22-05/23/06	6142358
		Dilution Factor: 1					
Cobalt	93	(75 - 125)			SW846 6020	05/22-05/23/06	6142358
	92	(75 - 125)	1.4	(0-20)	SW846 6020	05/22-05/23/06	6142358
		Dilution Factor: 1					
Copper	102	(75 - 125)			SW846 6020	05/22-05/23/06	6142358
	100	(75 - 125)	2.3	(0-20)	SW846 6020	05/22-05/23/06	6142358
		Dilution Factor: 1					
Lead	90	(75 - 125)			SW846 6020	05/22-05/23/06	6142358
	92	(75 - 125)	2.0	(0-20)	SW846 6020	05/22-05/23/06	6142358
		Dilution Factor: 1					
Manganese	92	(75 - 125)			SW846 6020	05/22-05/23/06	6142358
	90	(75 - 125)	2.5	(0-20)	SW846 6020	05/22-05/23/06	6142358
		Dilution Factor: 1					
Molybdenum	104	(75 - 125)			SW846 6020	05/22-05/23/06	6142358
	102	(75 - 125)	1.6	(0-20)	SW846 6020	05/22-05/23/06	6142358
		Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6E180219 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Nickel	98	(75 - 125)			SW846 6020	05/22-05/23/06	6142358
	98	(75 - 125)	0.15	(0-20)	SW846 6020	05/22-05/23/06	6142358
		Dilution Factor: 1					
Selenium	97	(75 - 125)			SW846 6020	05/22-05/23/06	6142358
	97	(75 - 125)	0.12	(0-20)	SW846 6020	05/22-05/23/06	6142358
		Dilution Factor: 1					
Silver	99	(75 - 125)			SW846 6020	05/22-05/23/06	6142358
	100	(75 - 125)	1.6	(0-20)	SW846 6020	05/22-05/23/06	6142358
		Dilution Factor: 1					
Vanadium	92	(75 - 125)			SW846 6020	05/22-05/23/06	6142358
	90	(75 - 125)	3.0	(0-20)	SW846 6020	05/22-05/23/06	6142358
		Dilution Factor: 1					
Zinc	99	(75 - 125)			SW846 6020	05/22-05/23/06	6142358
	99	(75 - 125)	0.67	(0-20)	SW846 6020	05/22-05/23/06	6142358
		Dilution Factor: 1					
Aluminum	98	(75 - 125)			SW846 6010B	05/22-05/25/06	6142369
	97	(75 - 125)	0.35	(0-20)	SW846 6010B	05/22-05/25/06	6142369
		Dilution Factor: 1					
Calcium	95	(75 - 125)			SW846 6010B	05/22-05/25/06	6142369
	94	(75 - 125)	2.0	(0-20)	SW846 6010B	05/22-05/25/06	6142369
		Dilution Factor: 1					
Iron	101	(75 - 125)			SW846 6010B	05/22-05/25/06	6142369
	99	(75 - 125)	2.3	(0-20)	SW846 6010B	05/22-05/25/06	6142369
		Dilution Factor: 1					
Magnesium	96	(75 - 125)			SW846 6010B	05/22-05/25/06	6142369
	94	(75 - 125)	1.6	(0-20)	SW846 6010B	05/22-05/25/06	6142369
		Dilution Factor: 1					
Sodium	91	(75 - 125)			SW846 6010B	05/22-05/25/06	6142369
	90	(75 - 125)	0.74	(0-20)	SW846 6010B	05/22-05/25/06	6142369
		Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6E180219 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Mercury	98	(75 - 125)			SW846 7471A	05/24/06	6144553
	99	(75 - 125)	1.3	(0-20)	SW846 7471A	05/24/06	6144553

Dilution Factor: 1

NOTE(S):

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

AIR, TSP & PM-10

Brown and Caldwell

Client Sample ID: 000458

General Chemistry

Lot-Sample #...: G6E180219-001 Work Order #...: H5NJL Matrix.....: AIR
Date Sampled...: 05/15/06 Date Received..: 05/18/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.1093	0.0001	g	CFR50B APDX B	05/20-05/22/06	6143577

Brown and Caldwell

Client Sample ID: 000459

General Chemistry

Lot-Sample #...: G6E180219-002 Work Order #...: H5NJM Matrix.....: AIR
Date Sampled...: 05/15/06 Date Received..: 05/18/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0780	0.0001	g	CFR50B APDX B	05/20-05/22/06	6143577

Brown and Caldwell

Client Sample ID: 000460

General Chemistry

Lot-Sample #...: G6E180219-003 Work Order #...: H5NJN Matrix.....: AIR
Date Sampled...: 05/15/06 Date Received..: 05/18/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0461	0.0001	g	CFR50B APDX B	05/20-05/22/06	6143577

Brown and Caldwell

Client Sample ID: 000461

General Chemistry

Lot-Sample #...: G6E180219-004 Work Order #...: H5NJP Matrix.....: AIR
Date Sampled...: 05/15/06 Date Received..: 05/18/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0594	0.0001	g	CFR50B APDX B	05/20-05/22/06	6143577

Brown and Caldwell

Client Sample ID: 000462

General Chemistry

Lot-Sample #...: G6E180219-005 Work Order #...: H5NJQ Matrix.....: AIR
Date Sampled...: 05/15/06 Date Received..: 05/18/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0814	0.0001	g	CFR50B APDX B	05/20-05/22/06	6143577

Brown and Caldwell

Client Sample ID: 000463

General Chemistry

Lot-Sample #...: G6E180219-006 Work Order #...: H5NJR Matrix.....: AIR
Date Sampled...: 05/15/06 Date Received..: 05/18/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0930	0.0001	g	CFR50B APDX B	05/20-05/22/06	6143577

Brown and Caldwell

Client Sample ID: 000464

General Chemistry

Lot-Sample #...: G6E180219-007 **Work Order #...:** H5NJT **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	ND	0.0001	g	CFR50B APDX B	05/20-05/22/06	6143577

Brown and Caldwell

Client Sample ID: 000465

General Chemistry

Lot-Sample #...: G6E180219-008 **Work Order #...:** H5NJV **Matrix.....:** AIR
Date Sampled...: 05/15/06 **Date Received..:** 05/18/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	ND	0.0001	g	CFR50B APDX B	05/20-05/22/06	6143577

Brown and Caldwell

Client Sample ID: P-0630

General Chemistry

Lot-Sample #...: G6E180219-009 Work Order #...: H5NJW Matrix.....: AIR
Date Sampled...: 05/15/06 Date Received..: 05/18/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0359	0.0001	g	CFR50J APDX J	05/20-05/22/06	6143578

Brown and Caldwell

Client Sample ID: P-0631

General Chemistry

Lot-Sample #...: G6E180219-010 Work Order #...: H5NJ1 Matrix.....: AIR
Date Sampled...: 05/15/06 Date Received..: 05/18/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0299	0.0001	g	CFR50J APDX J	05/20-05/22/06	6143578

Brown and Caldwell

Client Sample ID: P-0632

General Chemistry

Lot-Sample #...: G6E180219-011 Work Order #...: H5NJ3 Matrix.....: AIR
Date Sampled...: 05/15/06 Date Received..: 05/18/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0408	0.0001	g	CFR50J APDX J	05/20-05/22/06	6143578

Brown and Caldwell

Client Sample ID: P-0633

General Chemistry

Lot-Sample #...: G6E180219-012 Work Order #...: H5NJ4 Matrix.....: AIR
Date Sampled...: 05/15/06 Date Received..: 05/18/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0471	0.0001	g	CFR50J APDX J	05/20-05/22/06	6143578

Brown and Caldwell

Client Sample ID: P-0634

General Chemistry

Lot-Sample #...: G6E180219-013 Work Order #...: H5NJ5 Matrix.....: AIR
Date Sampled...: 05/15/06 Date Received..: 05/18/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0311	0.0001	g	CFR50J APDX J	05/20-05/22/06	6143578

Brown and Caldwell

Client Sample ID: P-0635

General Chemistry

Lot-Sample #...: G6E180219-014 Work Order #...: H5NJ6 Matrix.....: AIR
Date Sampled...: 05/15/06 Date Received..: 05/18/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0306	0.0001	g	CFR50J APDX J	05/20-05/22/06	6143578

Brown and Caldwell

Client Sample ID: P-0636

General Chemistry

Lot-Sample #...: G6E180219-015 Work Order #...: H5NJ7 Matrix.....: AIR
Date Sampled...: 05/15/06 Date Received..: 05/18/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0369	0.0001	g	CFR50J APDX J	05/20-05/22/06	6143578

AIR, Metals – Various Methods

Raw Data Package

ICP

G6E180219

STL Sacramento

RUN SUMMARY

Method: 6010 PE ICP2 (P05) Reported: 05/25/06 14:48:42

File ID: MAY2506AX.csv **Analyst: WONGA**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	Calib_Blank_'				1.0	05/25/06 08:21		☐
2	Calib_Std_1				1.0	05/25/06 08:25		☐
3	Calib Std 2				1.0	05/25/06 08:27		☐
4	ICV4				1.0	05/25/06 08:30		☐
5	ICB				1.0	05/25/06 08:32		☐
6	PQL				1.0	05/25/06 08:37		☐
7	ICSA				1.0	05/25/06 08:40		☐
8	ICSAB_4.0				1.0	05/25/06 08:43		☐
9	FB1815158-1				1.0	05/25/06 08:50		☐
10	H5T12B	G6E190000	6139502	2A	1.0	05/25/06 08:53		☐
11	H5T12C	G6E190000	6139502	2A	1.0	05/25/06 08:57		☐
12	H5T12L	G6E190000	6139502	2A	1.0	05/25/06 09:00		☐
13	H49GR	G6E120166-1	6139502	2A	1.0	05/25/06 09:03		☐
14	H49GRP5	G6E120166	6139502		5.0	05/25/06 09:07		☐
15	ZZZZZ				1.0	05/25/06 09:11	autosampler missed	☐
16	CCV				1.0	05/25/06 09:15		☐
17	CCB				1.0	05/25/06 09:17		☐
18	H49G2	G6E120166-2	6139502	2A	1.0	05/25/06 09:21		☐
19	H49G3	G6E120166-3	6139502	2A	1.0	05/25/06 09:25		☐
20	H49G4	G6E120166-4	6139502	2A	1.0	05/25/06 09:29		☐
21	H49G7	G6E120166-5	6139502	2A	1.0	05/25/06 09:32		☐
22	H49HA	G6E120166-6	6139502	2A	1.0	05/25/06 09:36		☐
23	H49HC	G6E120166-7	6139502	2A	1.0	05/25/06 09:39		☐
24	H49HE	G6E120166-8	6139502	2A	1.0	05/25/06 09:43		☐
25	H49HL	G6E120166-9	6139502	2A	1.0	05/25/06 09:47		☐
26	H49HP	G6E120166-10	6139502	2A	1.0	05/25/06 09:50	autosampler missed	☐
27	H49HQ	G6E120166-11	6139502	2A	1.0	05/25/06 09:54		☐
28	CCV				1.0	05/25/06 09:57		☐
29	CCB				1.0	05/25/06 10:00		☐
30	H49HT	G6E120166-12	6139502	2A	1.0	05/25/06 10:04		☐
31	H49HX	G6E120166-13	6139502	2A	1.0	05/25/06 10:08		☐
32	H49H1	G6E120166-14	6139502	2A	1.0	05/25/06 10:12		☐
33	H49H5	G6E120166-15	6139502	2A	1.0	05/25/06 10:15		☐
34	FB1815158-2				1.0	05/25/06 10:19		☐
35	H5XG2B	G6E220000	6142369	2A	1.0	05/25/06 10:22		☐
36	H5XG2C	G6E220000	6142369	2A	1.0	05/25/06 10:26		☐
37	H5XG2L	G6E220000	6142369	2A	1.0	05/25/06 10:29		☐
38	H5NJL	G6E180219-1	6142369	2A	1.0	05/25/06 10:32		☐
39	H5NJLP5	G6E180219	6142369		5.0	05/25/06 10:36		☐
40	CCV				1.0	05/25/06 10:39		☐
41	CCB				1.0	05/25/06 10:42		☐
42	H5NJLZ	G6E180219-1	6142369		1.0	05/25/06 10:46		☐
43	H5NJM	G6E180219-2	6142369	2A	1.0	05/25/06 10:50		☐
44	H5NJN	G6E180219-3	6142369	2A	1.0	05/25/06 10:54		☐
45	H5NJP	G6E180219-4	6142369	2A	1.0	05/25/06 10:57	autosampler missed	☐
46	H5NJQ	G6E180219-5	6142369	2A	1.0	05/25/06 11:01		☐

Method: 6010 PE ICP2 (P05) Reported: 05/25/06 14:48:42

File ID: MAY2506AX.csv **Analyst: WONGA**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
47	H5NJR	G6E180219-6	6142369	2A	1.0	05/25/06 11:04		☐
48	H5NJT	G6E180219-7	6142369	2A	1.0	05/25/06 11:08		☐
49	H5NJV	G6E180219-8	6142369	2A	1.0	05/25/06 11:11		☐
50	H5NJW	G6E180219-9	6142369	2A	1.0	05/25/06 11:15		☐
51	H5NJ1	G6E180219-10	6142369	2A	1.0	05/25/06 11:19		☐
52	CCV				1.0	05/25/06 11:22		☐
53	CCB				1.0	05/25/06 11:25		☐
54	H5NJ3	G6E180219-11	6142369	2A	1.0	05/25/06 11:29		☐
55	H5NJ4	G6E180219-12	6142369	2A	1.0	05/25/06 11:33		☐
56	H5NJ5	G6E180219-13	6142369	2A	1.0	05/25/06 11:36		☐
57	H5NJ6	G6E180219-14	6142369	2A	1.0	05/25/06 11:40		☐
58	H5NJ7	G6E180219-15	6142369	2A	1.0	05/25/06 11:43		☐
59	H49HP	G6E120166-10	6139502	2A	1.0	05/25/06 11:51		☐
60	H5NJP	G6E180219-4	6142369	2A	1.0	05/25/06 11:55		☐
61	CCV				1.0	05/25/06 11:58		☐
62	CCB				1.0	05/25/06 12:01		☐
63	H49GRZ	G6E120166-1	6139502		1.0	05/25/06 12:07		☐
64	CCV				1.0	05/25/06 12:10		☐
65	CCB				1.0	05/25/06 12:13		☐

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6010 () PE ICP2 (P05) Reported: 05/25/06 14:48:42

File ID: MAY2506AX.csv **Analyst: WONGA**

#	Sample ID	Analyzed Date	In Axial	In Radial	Sc Axial	Sc Radial	Y_ Axial	Y_ Radial	Q
1	Calib Blank	05/25/06 08:21	0.0	0.0	0.0	0.0	0.0	0.0	☑
2	Calib Std 1	05/25/06 08:25	0.0	0.0	0.0	0.0	0.0	0.0	☑
3	Calib Std 2	05/25/06 08:27	0.0	0.0	0.0	0.0	0.0	0.0	☑
4	ICV4	05/25/06 08:30	96.9	100.8	98.5	101.3	97.8	100.5	☑
5	ICB	05/25/06 08:32	101.8	100.0	101.3	98.8	101.2	98.9	☑
6	PQL	05/25/06 08:37	100.7	101.1	100.2	102.1	100.4	102.3	☑
7	ICSA	05/25/06 08:40	79.9	87.9	87.2	91.9	86.8	91.8	☑
8	ICSAB 4.0	05/25/06 08:43	79.6	86.3	86.1	91.8	85.9	91.8	☑
9	FB1815158-1	05/25/06 08:50	103.8	102.6	102.8	104.5	102.7	104.6	☑
10	H5T12B	05/25/06 08:53	101.9	101.9	100.5	103.3	100.6	103.5	☑
11	H5T12C	05/25/06 08:57	95.1	98.7	98.6	99.9	97.9	99.1	☑
12	H5T12L	05/25/06 09:00	95.3	98.6	96.6	101.0	95.9	100.2	☑
13	H49GR	05/25/06 09:03	102.3	102.4	101.9	106.1	101.8	106.4	☑
14	H49GRP5	05/25/06 09:07	101.8	100.5	101.5	102.8	101.5	102.9	☑
15	ZZZZZ	05/25/06 09:11	182.9	156.8	183.9	175.1	184.7	176.4	☐
16	CCV	05/25/06 09:15	95.3	97.9	96.5	99.4	96.8	98.8	☑
17	CCB	05/25/06 09:17	102.4	98.8	101.8	99.6	101.8	99.7	☑
18	H49G2	05/25/06 09:21	100.2	101.9	99.9	106.7	99.9	107.0	☑
19	H49G3	05/25/06 09:25	101.0	101.6	100.3	102.2	100.2	102.6	☑
20	H49G4	05/25/06 09:29	102.4	105.1	102.0	105.5	102.0	105.9	☑
21	H49G7	05/25/06 09:32	104.9	102.4	104.4	104.4	104.4	104.6	☑
22	H49HA	05/25/06 09:36	102.9	102.4	102.6	103.2	102.6	103.4	☑
23	H49HC	05/25/06 09:39	102.2	102.6	101.8	104.2	101.9	104.5	☑
24	H49HE	05/25/06 09:43	102.2	102.9	101.9	105.6	101.9	105.6	☑
25	H49HL	05/25/06 09:47	102.2	102.1	101.8	103.3	101.9	103.5	☑
26	H49HP	05/25/06 09:50	187.4	157.5	188.5	174.9	189.3	176.1	☐
27	H49HQ	05/25/06 09:54	102.8	102.9	102.4	104.7	102.4	105.1	☑
28	CCV	05/25/06 09:57	94.6	97.7	97.8	98.7	96.4	98.2	☑
29	CCB	05/25/06 10:00	102.6	100.9	102.1	102.1	102.2	102.2	☑
30	H49HT	05/25/06 10:04	101.4	102.2	101.1	103.1	101.1	103.3	☑
31	H49HX	05/25/06 10:08	103.1	102.9	102.9	102.2	102.8	102.6	☑
32	H49H1	05/25/06 10:12	103.4	103.1	102.9	103.3	102.9	103.9	☑
33	H49H5	05/25/06 10:15	104.2	103.4	103.7	104.3	103.8	104.7	☑
34	FB1815158-2	05/25/06 10:19	103.1	104.3	102.4	105.9	102.6	106.3	☑
35	H5XG2B	05/25/06 10:22	103.7	104.0	102.8	104.7	102.9	105.0	☑
36	H5XG2C	05/25/06 10:26	96.1	100.1	98.2	101.4	97.6	100.7	☑
37	H5XG2L	05/25/06 10:29	95.6	100.3	98.2	99.2	97.6	98.5	☑
38	H5NJL	05/25/06 10:32	103.3	103.4	102.2	103.5	102.1	103.5	☑
39	H5NJLP5	05/25/06 10:36	102.8	101.5	102.5	101.4	102.5	101.7	☑
40	CCV	05/25/06 10:39	94.7	97.9	97.0	99.0	96.5	98.6	☑
41	CCB	05/25/06 10:42	102.0	100.5	101.6	103.5	101.7	103.7	☑
42	H5NJLZ	05/25/06 10:46	97.6	100.6	98.6	100.5	98.0	100.0	☑
43	H5NJM	05/25/06 10:50	102.4	103.4	101.7	104.8	101.7	105.0	☑
44	H5NJN	05/25/06 10:54	102.6	101.5	102.5	101.7	102.7	102.0	☑
45	H5NJP	05/25/06 10:57	196.0	159.0	196.9	175.8	197.6	177.2	☐
46	H5NJQ	05/25/06 11:01	104.4	104.2	103.4	105.4	103.3	105.6	☑

Method: 6010 () PE ICP2 (P05) Reported: 05/25/06 14:48:42

File ID: MAY2506AX.csv **Analyst: WONGA**

#	Sample ID	Analyzed Date	In Axial	In Radial	Sc Axial	Sc Radial	Y_ Axial	Y_ Radial	Q
47	H5NJR	05/25/06 11:04	102.2	105.0	101.0	104.9	101.0	105.1	☑
48	H5NJT	05/25/06 11:08	103.6	104.3	102.8	104.0	102.9	104.3	☑
49	H5NJV	05/25/06 11:11	102.3	104.7	101.5	103.9	101.5	104.3	☑
50	H5NJW	05/25/06 11:15	103.3	104.8	102.4	103.8	102.5	104.0	☑
51	H5NJ1	05/25/06 11:19	104.3	104.3	103.6	103.8	103.8	104.1	☑
52	CCV	05/25/06 11:22	96.5	98.5	98.4	99.3	98.4	99.0	☑
53	CCB	05/25/06 11:25	103.8	104.6	103.3	102.9	103.4	103.4	☑
54	H5NJ3	05/25/06 11:29	103.9	105.0	103.3	101.6	103.4	102.0	☑
55	H5NJ4	05/25/06 11:33	105.3	105.4	104.8	104.4	104.8	104.9	☑
56	H5NJ5	05/25/06 11:36	102.7	105.5	102.2	105.0	102.2	105.4	☑
57	H5NJ6	05/25/06 11:40	104.4	103.5	103.9	104.6	104.0	105.1	☑
58	H5NJ7	05/25/06 11:43	103.4	103.6	102.7	102.5	102.8	103.0	☑
59	H49HP	05/25/06 11:51	105.3	104.6	105.0	104.0	105.1	104.5	☑
60	H5NJP	05/25/06 11:55	103.1	103.9	102.7	105.7	102.9	106.1	☑
61	CCV	05/25/06 11:58	94.9	100.4	99.9	100.8	96.9	100.5	☑
62	CCB	05/25/06 12:01	103.3	104.2	102.7	102.9	102.9	103.2	☑
63	H49GRZ	05/25/06 12:07	96.7	101.5	99.2	102.7	98.6	101.9	☑
64	CCV	05/25/06 12:10	98.1	102.2	100.0	101.7	99.5	101.4	☑
65	CCB	05/25/06 12:13	102.7	101.5	102.2	100.8	102.4	101.2	☑

STL Sacramento

ICP Data Review Checklist

SEVERN TRENT STL

Run/Project Information:

Run Date: 05/25/06 **Analyst:** AWONG **Instrument:** P05
Prep Batches Run: 6139502, 6142369

Circle Method used: 6010B / 200.7: **SAC-MT-0003 Rev. 2.0**

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels ?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits ? (6010B, CLP = 90 - 110%, 200.7 = 95 -105%[ICV])	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP) ?	✓			✓
4. CRI analyzed? (for CLP only)	✓			✓
5. ICSA/ICSAB run at required frequency and within SOP limits ?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed ?			✓	✓
2. All reported results bracketed by in control QC ?	✓			✓
3. Sample analyses done within holding time ?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits ?	✓			✓
2. Method blank done per prep batch and < RL or CRDL (CLP) ?	✓			
3. MS run at required frequency and within limits ?			✓	✓
4. MSD or DU run at required frequency and RPD within SOP limits ?			✓	✓
5. Dilution Test done per prep batch (or per SDG for CLP) ?	✓			✓
6. Post digest spike analyzed if required (CLP only) ?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately ?			✓	✓
2. Current IDL/LR/IEC data on file ?	✓			✓
3. Calculations checked for error ?	✓			✓
4. Transcriptions checked for error ?	✓			✓
5. All client/project specific requirements met ?	✓			✓
6. Date/time of analysis verified as correct ?	✓			✓

Analyst: AWong **Date:** 05/25/06
Comments:

2nd Level Reviewer : MTL **Date:** 5/26/06
Comments:

STL Sacramento

Method 6010B Instrument QC Standards

SEVERN TRENT SERVICES

Chemist: AWong

Run Date: 05/25/06

Type of Analysis: Trace ICP (AirTox)

Instrument ID: P05

Standard Expiration Dates Verified: 05/25/06

Standard Name	Standard Logbook ID
STD0 (Cal Blank) / ICB / CCB	2696-16-6
STD1 (Cal Std 1)	2680-11
STD2 (Cal Std 2)	2680-12
STD3 (Cal Std 3)	NA
STD4 (Cal Std 4)	NA
ICV	2680-42
ICV2	NA
PQLCRI	1750-017-12
ICSA	2680-14
ICSAB	2680-15
CCV	2680-13
Internal Standard	2696-17-3

QA – 416
ERS 2/1/01

5/25/2006 7:57:32 AM Hg ReAlign... Actual peak offset (nm): -0.007
Drift (nm): -0.001 Slit adjustment: -4

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	445855.5
-1.6	15.0	602193.8
-1.2	15.0	797405.1
-0.8	15.0	998876.8
-0.4	15.0	1146976.3
0.0	15.0	1261350.2
0.4	15.0	1208773.6
0.8	15.0	1122149.6
1.2	15.0	937652.0
1.6	15.0	726400.0
2.0	15.0	556243.8
0.0	10.0	4840.3
0.0	10.5	25494.3
0.0	11.0	55789.5
0.0	11.5	95625.4
0.0	12.0	146628.6
0.0	12.5	328676.7
0.0	13.0	482273.3
0.0	13.5	657969.9
0.0	14.0	831620.2
0.0	14.5	1155926.4
0.0	15.0	1260963.3
0.0	15.5	1248743.0
0.0	16.0	1147552.7
0.0	16.5	867419.0
0.0	17.0	662263.0
0.0	17.5	487475.4
0.0	18.0	348100.9
0.0	18.5	234011.2
0.0	19.0	97841.9
0.0	19.5	54790.9
0.0	20.0	20043.5
-0.8	15.0	1046328.3
-0.4	15.0	1158374.6
0.0	15.0	1250791.1
0.4	15.0	1241878.0
0.8	15.0	1099362.0
0.0	13.0	513807.1
0.0	13.5	650619.9
0.0	14.0	848210.9
0.0	14.5	1150366.8
0.0	15.0	1200661.6
0.0	15.5	1239381.7
0.0	16.0	1153992.3
0.0	16.5	861200.7
0.0	17.0	654228.8

5/25/2006 8:01:27 AM aligned for analyte Mn 257.610
X viewing position set to 0.0 mm having Peak intensity 1239381.7 for Axial viewing
Y viewing position set to 15.5 mm having Peak intensity 1239381.7 for Axial viewing

Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	97.1
-6.5	15.0	132.1
-6.0	15.0	204.1
-5.5	15.0	312.8
-5.0	15.0	388.0
-4.5	15.0	575.9
-4.0	15.0	1158.0
-3.5	15.0	2644.0

-3.0	15.0	6218.6
-2.5	15.0	12155.6
-2.0	15.0	16383.8
-1.5	15.0	16408.1
-1.0	15.0	31117.1
-0.5	15.0	55226.2
0.0	15.0	59792.3
0.5	15.0	56976.2
1.0	15.0	52714.0
1.5	15.0	43160.6
2.0	15.0	31506.5
2.5	15.0	21345.0
3.0	15.0	9897.3
3.5	15.0	3287.1
4.0	15.0	2281.0
4.5	15.0	1312.0
5.0	15.0	594.8
5.5	15.0	343.9
6.0	15.0	260.8
6.5	15.0	210.4
7.0	15.0	174.9

5/25/2006 8:04:09 AM aligned for analyte Mn 257.610
X viewing position set to 0.0 mm having Peak intensity 59792.3 for Radial viewing

Sequence No.: 1
Sample ID: Calib_Blank_1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/25/2006 8:21:43 AM
Data Type: Reprocessed on 5/25/2006 12:23:40 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Blank_1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	414064.5	3885.14	0.94%	100.00	%
In Radial	10590.4	46.64	0.44%	100.00	%
Y_ Axial	1552751.6	12853.19	0.83%	100.00	%
Y_ Radial	94124.1	1161.43	1.23%	100.00	%
Sc Axial	1706852.2	16429.02	0.96%	100.00	%
Sc Radial	99080.9	1286.69	1.30%	100.00	%
Al_1 396.153 R†	100.5	72.54	72.17%	[0.00]	mg/L
Al_2 308.215 R†	26.2	8.98	34.22%	[0.00]	mg/L
Ca 315.887 R†	-298.4	12.90	4.32%	[0.00]	mg/L
Fe_1 273.955†	41.1	8.45	20.56%	[0.00]	mg/L
Fe_2 238.863 R†	27.5	8.34	30.32%	[0.00]	mg/L
Mg 279.077 R†	-68.6	2.19	3.19%	[0.00]	mg/L
Na_1 589.592 R†	794.5	9.23	1.16%	[0.00]	mg/L
Na_2 330.237 R†	57.5	9.07	15.78%	[0.00]	mg/L
Zn 206.200†	24.8	2.69	10.83%	[0.00]	mg/L

Sequence No.: 2
Sample ID: Calib_Std_1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 5/25/2006 8:25:23 AM
Data Type: Reprocessed on 5/25/2006 12:23:52 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Std_1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	371568.3	4814.72	1.30%	89.737	%
In Radial	10088.1	265.74	2.63%	95.258	%
Y_ Axial	1455795.0	18146.11	1.25%	93.756	%
Y_ Radial	91729.7	2106.46	2.30%	97.456	%
Sc Axial	1615264.9	20135.11	1.25%	94.634	%
Sc Radial	97421.7	2113.48	2.17%	98.326	%
Al_1 396.153 R†	367012.4	5915.17	1.61%	[50]	mg/L
Al_2 308.215 R†	92738.6	10.70	0.01%	[50]	mg/L
Ca 315.887 R†	391435.6	3568.97	0.91%	[50]	mg/L
Fe_1 273.955†	2354668.2	6299.59	0.27%	[50]	mg/L
Fe_2 238.863 R†	26609.0	45.90	0.17%	[50]	mg/L
Mg 279.077 R†	52256.5	115.15	0.22%	[50]	mg/L
Na_1 589.592 R†	395808.9	5225.13	1.32%	[50]	mg/L
Na_2 330.237 R†	2423.5	1.54	0.06%	[50]	mg/L
Zn 206.200†	159478.8	742.73	0.47%	[5.0]	mg/L

Sequence No.: 3
Sample ID: Calib_Std_2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/25/2006 8:27:41 AM
Data Type: Reprocessed on 5/25/2006 12:24:22 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Std_2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	328400.0	7061.83	2.15%	79.311	%
In Radial	9363.6	123.18	1.32%	88.416	%
Y_ Axial	1348693.5	25072.82	1.86%	86.858	%
Y_ Radial	85588.9	531.29	0.62%	90.932	%
Sc Axial	1500979.2	28551.21	1.90%	87.938	%
Sc Radial	91159.6	514.83	0.56%	92.005	%
Al_2 308.215 R†	475492.2	396.15	0.08%	[250]	mg/L
Ca 315.887 R†	1956899.3	1993.05	0.10%	[250]	mg/L
Fe_2 238.863 R†	132128.6	207.29	0.16%	[250]	mg/L
Mg 279.077 R†	257095.5	389.42	0.15%	[250]	mg/L
Na_1 589.592 R†	2053582.1	2332.09	0.11%	[250]	mg/L
Na_2 330.237 R†	11830.5	247.19	2.09%	[250]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Al_1 396.153 R	1	Lin Thru 0	0.0	7340	0.00000	1.000000	
Al_2 308.215 R	2	Lin Thru 0	0.0	1900	0.00000	0.999989	
Ca 315.887 R	2	Lin Thru 0	0.0	7828	0.00000	1.000000	
Fe_1 273.955	1	Lin Thru 0	0.0	47090	0.00000	1.000000	
Fe_2 238.863 R	2	Lin Thru 0	0.0	528.7	0.00000	0.999999	
Mg 279.077 R	2	Lin Thru 0	0.0	1029	0.00000	0.999995	
Na_1 589.592 R	2	Lin Thru 0	0.0	8203	0.00000	0.999976	
Na_2 330.237 R	2	Lin Thru 0	0.0	47.37	0.00000	0.999989	
Zn 206.200	1	Lin Thru 0	0.0	31900	0.00000	1.000000	

Sequence No.: 4
Sample ID: ICV4
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 5/25/2006 8:30:04 AM
Data Type: Reprocessed on 5/25/2006 12:24:23 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ICV4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	401305.7	96.919	%	0.5590				0.58%
In Radial	10677.1	100.82	%	1.149				1.14%
Y_ Axial	1517849.9	97.752	%	2.3637				2.42%
Y_ Radial	94628.5	100.54	%	1.360				1.35%
Sc Axial	1681909.7	98.539	%	2.4539				2.49%
Sc Radial	100346.1	101.28	%	1.252				1.24%
Al_1 396.153 R†	73238.8	9.9777	mg/L	0.05250	9.9777	mg/L	0.05250	0.53%
Al_2 308.215 R†	18372.0	9.6687	mg/L	0.27439	9.6687	mg/L	0.27439	2.84%
Ca 315.887 R†	78088.4	9.9760	mg/L	0.26771	9.9760	mg/L	0.26771	2.68%
Fe_1 273.955†	480777.3	10.209	mg/L	0.1151	10.209	mg/L	0.1151	1.13%
Fe_2 238.863 R†	5343.9	10.109	mg/L	0.2759	10.109	mg/L	0.2759	2.73%
Mg 279.077 R†	10239.8	9.9510	mg/L	0.23527	9.9510	mg/L	0.23527	2.36%
Na_1 589.592 R†	78657.2	9.5890	mg/L	0.00540	9.5890	mg/L	0.00540	0.06%
Na_2 330.237 R†	519.4	10.394	mg/L	1.0823	10.394	mg/L	1.0823	10.41%
Zn 206.200†	31650.0	0.99229	mg/L	0.004130	0.99229	mg/L	0.004130	0.42%

Sequence No.: 5
Sample ID: ICB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 5/25/2006 8:32:55 AM
Data Type: Reprocessed on 5/25/2006 12:24:26 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	421394.7	101.77	%	1.575				1.55%
In Radial	10594.6	100.04	%	0.627				0.63%
Y_ Axial	1571546.3	101.21	%	1.257				1.24%
Y_ Radial	93089.5	98.901	%	2.2061				2.23%
Sc Axial	1729031.6	101.30	%	1.407				1.39%
Sc Radial	97926.0	98.834	%	2.1413				2.17%
Al_1 396.153 Rt	12.9	0.00176	mg/L	0.003629	0.00176	mg/L	0.003629	205.90%
Al_2 308.215 Rt	3.6	0.00191	mg/L	0.002775	0.00191	mg/L	0.002775	145.53%
Ca 315.887 Rt	-9.3	-0.00118	mg/L	0.001595	-0.00118	mg/L	0.001595	134.91%
Fe_1 273.955†	178.6	0.00379	mg/L	0.000182	0.00379	mg/L	0.000182	4.79%
Fe_2 238.863 Rt	3.6	0.00689	mg/L	0.005193	0.00689	mg/L	0.005193	75.39%
Mg 279.077 Rt	-3.2	-0.00314	mg/L	0.018869	-0.00314	mg/L	0.018869	600.13%
Na_1 589.592 Rt	116.1	0.01415	mg/L	0.007186	0.01415	mg/L	0.007186	50.80%
Na_2 330.237 Rt	7.1	0.14984	mg/L	0.042906	0.14984	mg/L	0.042906	28.64%
Zn 206.200†	5.1	0.00016	mg/L	0.000086	0.00016	mg/L	0.000086	54.27%

Sequence No.: 6
Sample ID: PQL
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 5/25/2006 8:37:00 AM
Data Type: Reprocessed on 5/25/2006 12:24:27 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: PQL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	416963.1	100.70	%	2.239				2.22%
In Radial	10708.9	101.12	%	0.820				0.81%
Y_ Axial	1558332.8	100.36	%	2.089				2.08%
Y_ Radial	96258.7	102.27	%	0.678				0.66%
Sc Axial	1709888.8	100.18	%	2.114				2.11%
Sc Radial	101115.4	102.05	%	0.863				0.85%
Al_1 396.153 Rt	719.0	0.09796	mg/L	0.001015	117.59	mg/L	1.218	1.04%
Al_2 308.215 Rt	195.0	0.10265	mg/L	0.000125	123.22	mg/L	0.150	0.12%
Ca 315.887 Rt	800.6	0.10228	mg/L	0.001378	122.79	mg/L	1.655	1.35%
Fe_1 273.955†	1296.2	0.02752	mg/L	0.001092	33.042	mg/L	1.3104	3.97%
Fe_2 238.863 Rt	17.7	0.03357	mg/L	0.002900	40.301	mg/L	3.4819	8.64%
Mg 279.077 Rt	105.7	0.10274	mg/L	0.003534	123.34	mg/L	4.243	3.44%
Na_1 589.592 Rt	2035.6	0.24815	mg/L	0.011431	297.90	mg/L	13.723	4.61%
Na_2 330.237 Rt	8.2	0.16812	mg/L	0.163435	201.83	mg/L	196.200	97.21%
Zn 206.200†	224.4	0.00704	mg/L	0.000086	8.4464	mg/L	0.10308	1.22%

Sequence No.: 7
Sample ID: ICSA
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 5/25/2006 8:40:34 AM
Data Type: Reprocessed on 5/25/2006 12:24:29 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	330935.1	79.924	%	0.2377				0.30%
In Radial	9313.6	87.944	%	1.9020				2.16%
Y_ Axial	1347444.4	86.778	%	0.2442				0.28%
Y_ Radial	86431.6	91.827	%	0.7113				0.77%
Sc Axial	1487585.3	87.154	%	0.2981				0.34%
Sc Radial	91021.9	91.866	%	0.5259				0.57%
Al_1 396.153 R†	3647441.7	496.91	mg/L	14.177	496.91	mg/L	14.177	2.85%
Al_2 308.215 R†	915879.0	482.00	mg/L	0.857	482.00	mg/L	0.857	0.18%
Ca 315.887 R†	3691035.4	471.54	mg/L	0.650	471.54	mg/L	0.650	0.14%
Fe_1 273.955†	8494588.2	180.38	mg/L	3.529	180.38	mg/L	3.529	1.96%
Fe_2 238.863 R†	99691.6	188.58	mg/L	1.646	188.58	mg/L	1.646	0.87%
Mg 279.077 R†	484825.3	471.15	mg/L	0.106	471.15	mg/L	0.106	0.02%
Na_1 589.592 R†	32.8	0.00399	mg/L	0.008006	0.00399	mg/L	0.008006	200.50%
Na_2 330.237 R†	-5.0	-1.6351	mg/L	0.24233	-1.6351	mg/L	0.24233	14.82%
Zn 206.200†	249.5	0.00782	mg/L	0.000178	0.00782	mg/L	0.000178	2.27%

Sequence No.: 8
Sample ID: ICSAB_4.0
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 5/25/2006 8:43:37 AM
Data Type: Reprocessed on 5/25/2006 12:24:30 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ICSAB_4.0

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	329763.5	79.641	%	1.0805				1.36%
In Radial	9135.5	86.262	%	1.8162				2.11%
Y_ Axial	1333430.4	85.875	%	0.2520				0.29%
Y_ Radial	86386.6	91.779	%	1.3357				1.46%
Sc Axial	1469954.1	86.121	%	0.2849				0.33%
Sc Radial	90945.5	91.789	%	1.4765				1.61%
Al_1 396.153 R†	3673934.7	500.52	mg/L	2.127	500.52	mg/L	2.127	0.42%
Al_2 308.215 R†	922143.2	485.30	mg/L	1.387	485.30	mg/L	1.387	0.29%
Ca 315.887 R†	3714200.9	474.50	mg/L	1.267	474.50	mg/L	1.267	0.27%
Fe_1 273.955†	8766578.5	186.15	mg/L	0.088	186.15	mg/L	0.088	0.05%
Fe_2 238.863 R†	97493.3	184.42	mg/L	1.470	184.42	mg/L	1.470	0.80%
Mg 279.077 R†	487447.7	473.70	mg/L	0.920	473.70	mg/L	0.920	0.19%
Na_1 589.592 R†	-152.3	-0.01857	mg/L	0.016321	-0.01857	mg/L	0.016321	87.89%
Na_2 330.237 R†	69.1	-0.66059	mg/L	2.716748	-0.66059	mg/L	2.716748	411.26%
Zn 206.200†	31252.4	0.97983	mg/L	0.009149	0.97983	mg/L	0.009149	0.93%

Sequence No.: 16
Sample ID: CCV
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/25/2006 9:15:04 AM
Data Type: Reprocessed on 5/25/2006 12:24:39 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	394419.5	95.256	%	1.6914				1.78%
In Radial	10364.0	97.863	%	0.0990				0.10%
Y_ Axial	1503688.6	96.840	%	1.6648				1.72%
Y_ Radial	92993.2	98.799	%	0.0306				0.03%
Sc Axial	1646817.2	96.483	%	0.1432				0.15%
Sc Radial	98452.0	99.365	%	0.0076				0.01%
Al_1 396.153 R†	182406.5	24.850	mg/L	0.1120	24.850	mg/L	0.1120	0.45%
Al_2 308.215 R†	46187.0	24.307	mg/L	0.0274	24.307	mg/L	0.0274	0.11%
Ca 315.887 R†	200552.6	25.621	mg/L	0.0177	25.621	mg/L	0.0177	0.07%
Fe_1 273.955†	1206119.4	25.611	mg/L	0.0634	25.611	mg/L	0.0634	0.25%
Fe_2 238.863 R†	13444.0	25.431	mg/L	0.1040	25.431	mg/L	0.1040	0.41%
Mg 279.077 R†	26344.5	25.601	mg/L	0.0552	25.601	mg/L	0.0552	0.22%
Na_1 589.592 R†	197758.5	24.108	mg/L	0.1328	24.108	mg/L	0.1328	0.55%
Na_2 330.237 R†	1205.7	23.963	mg/L	0.1565	23.963	mg/L	0.1565	0.65%
Zn 206.200†	82519.7	2.5872	mg/L	0.00272	2.5872	mg/L	0.00272	0.11%

Sequence No.: 17
Sample ID: CCB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/25/2006 9:17:54 AM
Data Type: Reprocessed on 5/25/2006 12:24:40 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	423901.9	102.38	%	1.183				1.16%
In Radial	10464.3	98.810	%	1.7272				1.75%
Y_ Axial	1580373.2	101.78	%	1.253				1.23%
Y_ Radial	93833.3	99.691	%	1.5827				1.59%
Sc Axial	1738223.3	101.84	%	1.226				1.20%
Sc Radial	98656.9	99.572	%	1.5278				1.53%
Al_1 396.153 R†	-24.6	-0.00335	mg/L	0.002607	-0.00335	mg/L	0.002607	77.74%
Al_2 308.215 R†	7.3	0.00385	mg/L	0.002027	0.00385	mg/L	0.002027	52.61%
Ca 315.887 R†	17.5	0.00224	mg/L	0.000425	0.00224	mg/L	0.000425	18.97%
Fe_1 273.955†	87.0	0.00185	mg/L	0.000873	0.00185	mg/L	0.000873	47.29%
Fe_2 238.863 R†	1.0	0.00184	mg/L	0.002944	0.00184	mg/L	0.002944	160.08%
Mg 279.077 R†	-8.3	-0.00810	mg/L	0.000232	-0.00810	mg/L	0.000232	2.86%
Na_1 589.592 R†	-704.0	-0.08582	mg/L	0.002095	-0.08582	mg/L	0.002095	2.44%
Na_2 330.237 R†	31.7	0.66986	mg/L	1.207362	0.66986	mg/L	1.207362	180.24%
Zn 206.200†	9.7	0.00030	mg/L	0.000029	0.00030	mg/L	0.000029	9.66%

Sequence No.: 28
Sample ID: CCV
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/25/2006 9:57:56 AM
Data Type: Reprocessed on 5/25/2006 12:24:55 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	391831.3	94.631	%	0.0735				0.08%
In Radial	10342.7	97.661	%	3.3413				3.42%
Y_ Axial	1497338.2	96.431	%	0.1127				0.12%
Y_ Radial	92423.2	98.193	%	3.0747				3.13%
Sc Axial	1668497.6	97.753	%	0.6640				0.68%
Sc Radial	97796.4	98.704	%	3.1838				3.23%
Al_1 396.153 R†	188071.5	25.622	mg/L	0.8693	25.622	mg/L	0.8693	3.39%
Al_2 308.215 R†	46179.2	24.303	mg/L	0.0422	24.303	mg/L	0.0422	0.17%
Ca 315.887 R†	206455.4	26.375	mg/L	0.9747	26.375	mg/L	0.9747	3.70%
Fe_1 273.955†	1213678.2	25.772	mg/L	0.0232	25.772	mg/L	0.0232	0.09%
Fe_2 238.863 R†	13527.2	25.588	mg/L	0.1953	25.588	mg/L	0.1953	0.76%
Mg 279.077 R†	26553.0	25.804	mg/L	0.0162	25.804	mg/L	0.0162	0.06%
Na_1 589.592 R†	203637.1	24.825	mg/L	0.8528	24.825	mg/L	0.8528	3.44%
Na_2 330.237 R†	1218.5	24.214	mg/L	1.1049	24.214	mg/L	1.1049	4.56%
Zn 206.200†	83429.4	2.6157	mg/L	0.00318	2.6157	mg/L	0.00318	0.12%

Sequence No.: 29
Sample ID: CCB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/25/2006 10:00:47 AM
Data Type: Reprocessed on 5/25/2006 12:24:57 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	424852.0	102.61	%	0.602				0.59%
In Radial	10688.0	100.92	%	0.156				0.15%
Y_ Axial	1586152.6	102.15	%	0.619				0.61%
Y_ Radial	96208.4	102.21	%	0.095				0.09%
Sc Axial	1742567.6	102.09	%	0.610				0.60%
Sc Radial	101131.3	102.07	%	0.074				0.07%
Al_1 396.153 R†	-16.1	-0.00219	mg/L	0.002096	-0.00219	mg/L	0.002096	95.75%
Al_2 308.215 R†	0.8	0.00044	mg/L	0.001478	0.00044	mg/L	0.001478	332.51%
Ca 315.887 R†	5.6	0.00072	mg/L	0.001214	0.00072	mg/L	0.001214	168.38%
Fe_1 273.955†	77.2	0.00164	mg/L	0.000517	0.00164	mg/L	0.000517	31.49%
Fe_2 238.863 R†	3.2	0.00608	mg/L	0.000821	0.00608	mg/L	0.000821	13.51%
Mg 279.077 R†	-5.8	-0.00568	mg/L	0.003043	-0.00568	mg/L	0.003043	53.56%
Na_1 589.592 R†	-899.0	-0.10959	mg/L	0.002950	-0.10959	mg/L	0.002950	2.69%
Na_2 330.237 R†	-3.4	-0.07243	mg/L	0.154925	-0.07243	mg/L	0.154925	213.91%
Zn 206.200†	5.9	0.00018	mg/L	0.000007	0.00018	mg/L	0.000007	3.87%

Sequence No.: 34
Sample ID: FB1815158-2
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 5/25/2006 10:19:11 AM
Data Type: Reprocessed on 5/25/2006 12:25:05 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: FB1815158-2

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
In Axial	426700.6	103.05	%	1.636				1.59%
In Radial	11043.5	104.28	%	0.503				0.48%
Y_ Axial	1592861.8	102.58	%	1.705				1.66%
Y_ Radial	100077.2	106.32	%	1.612				1.52%
Sc Axial	1748534.3	102.44	%	1.659				1.62%
Sc Radial	104896.1	105.87	%	1.714				1.62%
Al_1 396.153 R†	35.3	0.00481	mg/L	0.011874	5.7737	mg/L	14.25407	246.88%
Al_2 308.215 R†	26.2	0.01377	mg/L	0.000330	16.534	mg/L	0.3962	2.40%
Ca 315.887 R†	1695.2	0.21656	mg/L	0.003793	259.98	mg/L	4.553	1.75%
Fe_1 273.955†	577.9	0.01227	mg/L	0.000324	14.731	mg/L	0.3887	2.64%
Fe_2 238.863 R†	0.5	0.00099	mg/L	0.012261	1.1943	mg/L	14.71955	>999.9%
Mg 279.077 R†	23.4	0.02277	mg/L	0.001485	27.331	mg/L	1.7829	6.52%
Na_1 589.592 R†	3462.4	0.42210	mg/L	0.001941	506.72	mg/L	2.330	0.46%
Na_2 330.237 R†	9.0	0.18734	mg/L	0.032324	224.90	mg/L	38.804	17.25%
Zn 206.200†	94.0	0.00295	mg/L	0.000315	3.5380	mg/L	0.37873	10.70%

Sequence No.: 35
Sample ID: H5XG2B
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 5/25/2006 10:22:45 AM
Data Type: Reprocessed on 5/25/2006 12:25:07 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5XG2B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	429496.2	103.73	%	0.327				0.31%
In Radial	11017.1	104.03	%	0.172				0.17%
Y_ Axial	1598158.7	102.92	%	0.191				0.19%
Y_ Radial	98875.7	105.05	%	0.336				0.32%
Sc Axial	1755106.1	102.83	%	0.240				0.23%
Sc Radial	103727.3	104.69	%	0.399				0.38%
Al_1 396.153 R†	7.6	0.00104	mg/L	0.006979	1.2455	mg/L	8.37800	672.67%
Al_2 308.215 R†	-0.3	-0.00018	mg/L	0.001140	-0.21151	mg/L	1.369041	647.28%
Ca 315.887 R†	-17.9	-0.00228	mg/L	0.000506	-2.7413	mg/L	0.60777	22.17%
Fe_1 273.955†	22.2	0.00047	mg/L	0.000496	0.56715	mg/L	0.595578	105.01%
Fe_2 238.863 R†	-3.6	-0.00680	mg/L	0.000319	-8.1643	mg/L	0.38348	4.70%
Mg 279.077 R†	-1.6	-0.00152	mg/L	0.001441	-1.8271	mg/L	1.72979	94.68%
Na_1 589.592 R†	-872.5	-0.10637	mg/L	0.013915	-127.70	mg/L	16.705	13.08%
Na_2 330.237 R†	-26.0	-0.55088	mg/L	0.144794	-661.32	mg/L	173.823	26.28%
Zn 206.200†	62.1	0.00195	mg/L	0.000217	2.3354	mg/L	0.26105	11.18%

Sequence No.: 36
Sample ID: H5XG2C
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 5/25/2006 10:26:18 AM
Data Type: Reprocessed on 5/25/2006 12:25:09 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5XG2C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	397810.6	96.075	%	0.9854				1.03%
In Radial	10598.9	100.08	%	0.800				0.80%
Y_ Axial	1514969.4	97.567	%	1.2796				1.31%
Y_ Radial	94778.5	100.70	%	0.457				0.45%
Sc Axial	1675906.1	98.187	%	1.3768				1.40%
Sc Radial	100450.8	101.38	%	0.497				0.49%
Al_1 396.153 R†	14328.2	1.9520	mg/L	0.00846	2343.3	mg/L	10.15	0.43%
Al_2 308.215 R†	3506.1	1.8452	mg/L	0.02847	2215.1	mg/L	34.17	1.54%
Ca 315.887 R†	373433.3	47.707	mg/L	0.0944	57271	mg/L	113.3	0.20%
Fe_1 273.955†	47543.5	1.0096	mg/L	0.00352	1212.0	mg/L	4.23	0.35%
Fe_2 238.863 R†	532.6	1.0075	mg/L	0.02987	1209.5	mg/L	35.86	2.97%
Mg 279.077 R†	49168.0	47.781	mg/L	0.0441	57360	mg/L	53.0	0.09%
Na_1 589.592 R†	373927.7	45.585	mg/L	0.0480	54724	mg/L	57.6	0.11%
Na_2 330.237 R†	2109.5	44.017	mg/L	0.3240	52842	mg/L	388.9	0.74%
Zn 206.200†	15810.5	0.49569	mg/L	0.000437	595.07	mg/L	0.525	0.09%

Sequence No.: 37
Sample ID: H5XG2L
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 63
Date Collected: 5/25/2006 10:29:16 AM
Data Type: Reprocessed on 5/25/2006 12:25:10 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5XG2L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	395721.3	95.570	%	1.0038				1.05%
In Radial	10627.1	100.35	%	1.478				1.47%
Y_ Axial	1515698.5	97.614	%	0.7904				0.81%
Y_ Radial	92673.6	98.459	%	0.3473				0.35%
Sc Axial	1676829.9	98.241	%	0.7975				0.81%
Sc Radial	98249.3	99.161	%	0.4626				0.47%
Al_1 396.153 R†	14276.7	1.9450	mg/L	0.01272	2334.9	mg/L	15.26	0.65%
Al_2 308.215 R†	3562.5	1.8748	mg/L	0.00878	2250.7	mg/L	10.54	0.47%
Ca 315.887 R†	366063.7	46.766	mg/L	0.0455	56141	mg/L	54.6	0.10%
Fe_1 273.955†	46455.9	0.98646	mg/L	0.019393	1184.2	mg/L	23.28	1.97%
Fe_2 238.863 R†	538.2	1.0180	mg/L	0.00156	1222.1	mg/L	1.87	0.15%
Mg 279.077 R†	48409.4	47.044	mg/L	0.0359	56475	mg/L	43.1	0.08%
Na_1 589.592 R†	371159.8	45.248	mg/L	0.0753	54319	mg/L	90.3	0.17%
Na_2 330.237 R†	2141.7	44.706	mg/L	0.5065	53669	mg/L	608.1	1.13%
Zn 206.200†	15513.5	0.48638	mg/L	0.010651	583.89	mg/L	12.786	2.19%

Sequence No.: 38
Sample ID: H5NJL
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 64
Date Collected: 5/25/2006 10:32:44 AM
Data Type: Reprocessed on 5/25/2006 12:25:13 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	427544.0	103.26	%	1.301				1.26%
In Radial	10946.4	103.36	%	0.507				0.49%
Y_ Axial	1585496.4	102.11	%	1.061				1.04%
Y_ Radial	97426.3	103.51	%	0.060				0.06%
Sc Axial	1744370.3	102.20	%	1.155				1.13%
Sc Radial	102560.9	103.51	%	0.083				0.08%
Al_1 396.153 R†	7212.9	0.98265	mg/L	0.011547	1179.7	mg/L	13.86	1.18%
Al_2 308.215 R†	1868.7	0.98346	mg/L	0.007719	1180.6	mg/L	9.27	0.78%
Ca 315.887 R†	13398.8	1.7117	mg/L	0.00633	2054.9	mg/L	7.60	0.37%
Fe_1 273.955†	60782.5	1.2907	mg/L	0.00611	1549.4	mg/L	7.33	0.47%
Fe_2 238.863 R†	665.7	1.2592	mg/L	0.00268	1511.6	mg/L	3.22	0.21%
Mg 279.077 R†	748.9	0.72776	mg/L	0.003566	873.66	mg/L	4.281	0.49%
Na_1 589.592 R†	65696.5	8.0090	mg/L	0.00082	9614.6	mg/L	0.99	0.01%
Na_2 330.237 R†	363.0	7.6498	mg/L	0.33200	9183.4	mg/L	398.56	4.34%
Zn 206.200†	657.2	0.02060	mg/L	0.000040	24.735	mg/L	0.0483	0.20%

Sequence No.: 39
Sample ID: H5NJLP5
Analyst: AWW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 65
Date Collected: 5/25/2006 10:36:18 AM
Data Type: Reprocessed on 5/25/2006 12:25:13 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJLP5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	425778.6	102.83	%	0.233				0.23%
In Radial	10749.8	101.51	%	0.769				0.76%
Y_ Axial	1590920.4	102.46	%	0.206				0.20%
Y_ Radial	95691.7	101.67	%	0.784				0.77%
Sc Axial	1748795.4	102.46	%	0.190				0.19%
Sc Radial	100495.3	101.43	%	0.831				0.82%
Al_1 396.153 R†	1437.4	0.19583	mg/L	0.006673	1175.5	mg/L	40.06	3.41%
Al_2 308.215 R†	375.8	0.19779	mg/L	0.001068	1187.2	mg/L	6.41	0.54%
Ca 315.887 R†	2699.8	0.34490	mg/L	0.002132	2070.2	mg/L	12.80	0.62%
Fe_1 273.955†	12027.7	0.25540	mg/L	0.001528	1533.0	mg/L	9.17	0.60%
Fe_2 238.863 R†	131.9	0.24956	mg/L	0.002697	1497.9	mg/L	16.19	1.08%
Mg 279.077 R†	138.7	0.13478	mg/L	0.005790	809.00	mg/L	34.753	4.30%
Na_1 589.592 R†	12366.4	1.5076	mg/L	0.01854	9049.0	mg/L	111.29	1.23%
Na_2 330.237 R†	66.3	1.3956	mg/L	0.32077	8377.2	mg/L	1925.42	22.98%
Zn 206.200†	240.0	0.00752	mg/L	0.000077	45.159	mg/L	0.4594	1.02%

Sequence No.: 40
Sample ID: CCV
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/25/2006 10:39:57 AM
Data Type: Reprocessed on 5/25/2006 12:25:16 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	392197.4	94.719	%	1.7915				1.89%
In Radial	10369.9	97.918	%	2.3423				2.39%
Y_ Axial	1498972.9	96.537	%	1.7470				1.81%
Y_ Radial	92850.4	98.647	%	2.6683				2.70%
Sc Axial	1655636.6	96.999	%	0.2479				0.26%
Sc Radial	98084.6	98.994	%	2.5189				2.54%
Al_1 396.153 R†	182410.5	24.851	mg/L	1.2865	24.851	mg/L	1.2865	5.18%
Al_2 308.215 R†	46157.0	24.291	mg/L	0.2020	24.291	mg/L	0.2020	0.83%
Ca 315.887 R†	201781.5	25.778	mg/L	1.2786	25.778	mg/L	1.2786	4.96%
Fe_1 273.955†	1222369.1	25.956	mg/L	0.0191	25.956	mg/L	0.0191	0.07%
Fe_2 238.863 R†	13655.2	25.830	mg/L	0.1002	25.830	mg/L	0.1002	0.39%
Mg 279.077 R†	26661.3	25.909	mg/L	0.0451	25.909	mg/L	0.0451	0.17%
Na_1 589.592 R†	199245.1	24.290	mg/L	1.1335	24.290	mg/L	1.1335	4.67%
Na_2 330.237 R†	1194.7	23.700	mg/L	1.3883	23.700	mg/L	1.3883	5.86%
Zn 206.200†	84286.1	2.6426	mg/L	0.00745	2.6426	mg/L	0.00745	0.28%

Sequence No.: 41
Sample ID: CCB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/25/2006 10:42:51 AM
Data Type: Reprocessed on 5/25/2006 12:25:18 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	422228.5	101.97	%	0.772				0.76%
In Radial	10638.1	100.45	%	0.178				0.18%
Y_ Axial	1579880.8	101.75	%	0.877				0.86%
Y_ Radial	97627.6	103.72	%	1.940				1.87%
Sc Axial	1733879.4	101.58	%	0.821				0.81%
Sc Radial	102511.3	103.46	%	1.978				1.91%
Al_1 396.153 R†	-16.9	-0.00230	mg/L	0.003854	-0.00230	mg/L	0.003854	167.72%
Al_2 308.215 R†	6.9	0.00362	mg/L	0.001777	0.00362	mg/L	0.001777	49.08%
Ca 315.887 R†	-5.5	-0.00070	mg/L	0.001638	-0.00070	mg/L	0.001638	234.20%
Fe_1 273.955†	74.8	0.00159	mg/L	0.000007	0.00159	mg/L	0.000007	0.45%
Fe_2 238.863 R†	3.0	0.00560	mg/L	0.000281	0.00560	mg/L	0.000281	5.01%
Mg 279.077 R†	5.2	0.00506	mg/L	0.001644	0.00506	mg/L	0.001644	32.48%
Na_1 589.592 R†	-914.1	-0.11144	mg/L	0.008675	-0.11144	mg/L	0.008675	7.78%
Na_2 330.237 R†	2.7	0.05760	mg/L	1.411050	0.05760	mg/L	1.411050	>999.9%
Zn 206.200†	9.9	0.00031	mg/L	0.000006	0.00031	mg/L	0.000006	1.78%

Sequence No.: 42
Sample ID: H5NJLZ
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 66
Date Collected: 5/25/2006 10:46:56 AM
Data Type: Reprocessed on 5/25/2006 12:25:19 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJLZ

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	403987.6	97.566	%	0.1360				0.14%
In Radial	10657.5	100.63	%	0.438				0.44%
Y_ Axial	1521394.5	97.981	%	0.2609				0.27%
Y_ Radial	94098.1	99.972	%	1.5423				1.54%
Sc Axial	1682810.0	98.591	%	0.3311				0.34%
Sc Radial	99618.3	100.54	%	1.337				1.33%
Al_1 396.153 R†	22183.4	3.0222	mg/L	0.00484	3628.0	mg/L	5.81	0.16%
Al_2 308.215 R†	5570.4	2.9315	mg/L	0.06045	3519.3	mg/L	72.57	2.06%
Ca 315.887 R†	402736.9	51.451	mg/L	0.0752	61765	mg/L	90.3	0.15%
Fe_1 273.955†	109931.8	2.3343	mg/L	0.00841	2802.3	mg/L	10.09	0.36%
Fe_2 238.863 R†	1215.4	2.2990	mg/L	0.03455	2759.8	mg/L	41.47	1.50%
Mg 279.077 R†	52511.3	51.030	mg/L	0.1353	61261	mg/L	162.4	0.27%
Na_1 589.592 R†	445965.2	54.367	mg/L	0.1959	65267	mg/L	235.1	0.36%
Na_2 330.237 R†	2576.5	53.831	mg/L	0.7255	64623	mg/L	870.9	1.35%
Zn 206.200†	17608.8	0.55207	mg/L	0.000476	662.75	mg/L	0.572	0.09%

Sequence No.: 43
Sample ID: H5NJM
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 67
Date Collected: 5/25/2006 10:50:28 AM
Data Type: Reprocessed on 5/25/2006 12:25:22 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJM

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	423815.7	102.35	%	0.293				0.29%
In Radial	10953.9	103.43	%	0.628				0.61%
Y_ Axial	1578596.6	101.66	%	0.303				0.30%
Y_ Radial	98818.2	104.99	%	1.535				1.46%
Sc Axial	1736083.8	101.71	%	0.348				0.34%
Sc Radial	103831.8	104.80	%	1.641				1.57%
Al_1 396.153 R†	5547.1	0.75571	mg/L	0.000600	907.22	mg/L	0.721	0.08%
Al_2 308.215 R†	1364.7	0.71820	mg/L	0.003474	862.19	mg/L	4.170	0.48%
Ca 315.887 R†	10432.4	1.3328	mg/L	0.01335	1600.0	mg/L	16.02	1.00%
Fe_1 273.955†	44803.1	0.95137	mg/L	0.000916	1142.1	mg/L	1.10	0.10%
Fe_2 238.863 R†	489.0	0.92503	mg/L	0.000060	1110.5	mg/L	0.07	0.01%
Mg 279.077 R†	544.7	0.52937	mg/L	0.003765	635.49	mg/L	4.520	0.71%
Na_1 589.592 R†	36478.1	4.4470	mg/L	0.00394	5338.5	mg/L	4.73	0.09%
Na_2 330.237 R†	196.2	4.1296	mg/L	0.08617	4957.5	mg/L	103.44	2.09%
Zn 206.200†	513.9	0.01611	mg/L	0.000331	19.342	mg/L	0.3969	2.05%

Sequence No.: 44
Sample ID: H5NJN
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 68
Date Collected: 5/25/2006 10:54:04 AM
Data Type: Reprocessed on 5/25/2006 12:25:25 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	424910.6	102.62	%	0.665				0.65%
In Radial	10752.4	101.53	%	0.395				0.39%
Y_ Axial	1594211.8	102.67	%	0.780				0.76%
Y_ Radial	95971.0	101.96	%	0.859				0.84%
Sc Axial	1749217.4	102.48	%	0.724				0.71%
Sc Radial	100732.7	101.67	%	0.737				0.73%
Al_1 396.153 R†	3690.7	0.50280	mg/L	0.005282	603.61	mg/L	6.341	1.05%
Al_2 308.215 R†	942.9	0.49622	mg/L	0.000374	595.70	mg/L	0.448	0.08%
Ca 315.887 R†	7730.7	0.98761	mg/L	0.007306	1185.6	mg/L	8.77	0.74%
Fe_1 273.955†	31373.2	0.66619	mg/L	0.002254	799.75	mg/L	2.706	0.34%
Fe_2 238.863 R†	354.7	0.67089	mg/L	0.016477	805.39	mg/L	19.780	2.46%
Mg 279.077 R†	403.4	0.39202	mg/L	0.004670	470.61	mg/L	5.606	1.19%
Na_1 589.592 R†	10424.3	1.2708	mg/L	0.00169	1525.6	mg/L	2.03	0.13%
Na_2 330.237 R†	44.1	0.92225	mg/L	0.003447	1107.1	mg/L	4.14	0.37%
Zn 206.200†	432.3	0.01355	mg/L	0.000095	16.270	mg/L	0.1140	0.70%

Sequence No.: 45
Sample ID: H5NJP
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 69
Date Collected: 5/25/2006 10:57:37 AM
Data Type: Reprocessed on 5/25/2006 12:25:25 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJP

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	811532.6	195.99	%	8.222				4.20%
In Radial	16839.2	159.01	%	5.239				3.29%
Y_ Axial	3068529.5	197.62	%	8.253				4.18%
Y_ Radial	166811.4	177.22	%	5.887				3.32%
Sc Axial	3360872.1	196.90	%	8.405				4.27%
Sc Radial	174190.1	175.81	%	5.355				3.05%
Al_1 396.153 R†	-81.8	-0.01115	mg/L	0.002345	-13.386	mg/L	2.8151	21.03%
Al_2 308.215 R†	-22.1	-0.01162	mg/L	0.002283	-13.949	mg/L	2.7411	19.65%
Ca 315.887 R†	215.0	0.02747	mg/L	0.000206	32.972	mg/L	0.2475	0.75%
Fe_1 273.955†	-38.4	-0.00082	mg/L	0.000129	-0.97884	mg/L	0.154550	15.79%
Fe_2 238.863 R†	-18.2	-0.03449	mg/L	0.002521	-41.399	mg/L	3.0266	7.31%
Mg 279.077 R†	33.8	0.03288	mg/L	0.004530	39.476	mg/L	5.4379	13.78%
Na_1 589.592 R†	-973.2	-0.11864	mg/L	0.004968	-142.42	mg/L	5.964	4.19%
Na_2 330.237 R†	-21.0	-0.44276	mg/L	0.049814	-531.53	mg/L	59.801	11.25%
Zn 206.200†	-21.4	-0.00067	mg/L	0.000021	-0.80617	mg/L	0.024614	3.05%

Sequence No.: 46
Sample ID: H5NJQ
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 5/25/2006 11:01:11 AM
Data Type: Reprocessed on 5/25/2006 12:25:28 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJQ

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	432290.9	104.40	%	1.686				1.61%
In Radial	11035.9	104.21	%	0.313				0.30%
Y_ Axial	1604478.0	103.33	%	1.663				1.61%
Y_ Radial	99433.2	105.64	%	3.573				3.38%
Sc Axial	1764696.2	103.39	%	1.564				1.51%
Sc Radial	104466.8	105.44	%	3.271				3.10%
Al_1 396.153 R†	5699.7	0.77650	mg/L	0.012718	932.17	mg/L	15.268	1.64%
Al_2 308.215 R†	1405.3	0.73956	mg/L	0.029497	887.82	mg/L	35.410	3.99%
Ca 315.887 R†	11589.5	1.4806	mg/L	0.00300	1777.4	mg/L	3.60	0.20%
Fe_1 273.955†	48310.2	1.0258	mg/L	0.00210	1231.5	mg/L	2.52	0.20%
Fe_2 238.863 R†	524.2	0.99166	mg/L	0.034494	1190.5	mg/L	41.41	3.48%
Mg 279.077 R†	588.4	0.57182	mg/L	0.012437	686.46	mg/L	14.930	2.17%
Na_1 589.592 R†	40094.7	4.8879	mg/L	0.03008	5867.8	mg/L	36.11	0.62%
Na_2 330.237 R†	216.1	4.5488	mg/L	0.15881	5460.8	mg/L	190.65	3.49%
Zn 206.200†	619.6	0.01942	mg/L	0.000437	23.319	mg/L	0.5250	2.25%

Sequence No.: 47
Sample ID: H5NJR
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 71
Date Collected: 5/25/2006 11:04:45 AM
Data Type: Reprocessed on 5/25/2006 12:25:31 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJR

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	423005.5	102.16	%	0.007				0.01%
In Radial	11115.3	104.96	%	1.193				1.14%
Y_ Axial	1567614.6	100.96	%	0.098				0.10%
Y_ Radial	98938.2	105.11	%	1.322				1.26%
Sc Axial	1724306.8	101.02	%	0.047				0.05%
Sc Radial	103952.2	104.92	%	1.512				1.44%
Al_1 396.153 R†	6629.1	0.90312	mg/L	0.016968	1084.2	mg/L	20.37	1.88%
Al_2 308.215 R†	1646.6	0.86654	mg/L	0.002996	1040.3	mg/L	3.60	0.35%
Ca 315.887 R†	11996.9	1.5326	mg/L	0.00506	1839.9	mg/L	6.07	0.33%
Fe_1 273.955†	53006.2	1.1256	mg/L	0.00128	1351.2	mg/L	1.54	0.11%
Fe_2 238.863 R†	582.7	1.1022	mg/L	0.00130	1323.2	mg/L	1.56	0.12%
Mg 279.077 R†	642.2	0.62410	mg/L	0.008563	749.22	mg/L	10.280	1.37%
Na_1 589.592 R†	42894.0	5.2291	mg/L	0.01551	6277.5	mg/L	18.62	0.30%
Na_2 330.237 R†	231.4	4.8700	mg/L	0.05432	5846.4	mg/L	65.20	1.12%
Zn 206.200†	653.8	0.02050	mg/L	0.000103	24.609	mg/L	0.1239	0.50%

Sequence No.: 48
Sample ID: H5NJT
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 72
Date Collected: 5/25/2006 11:08:19 AM
Data Type: Reprocessed on 5/25/2006 12:25:32 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJT

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	428802.9	103.56	%	0.607				0.59%
In Radial	11043.6	104.28	%	0.007				0.01%
Y_ Axial	1598237.3	102.93	%	0.657				0.64%
Y_ Radial	98187.0	104.32	%	1.122				1.08%
Sc Axial	1755234.0	102.83	%	0.772				0.75%
Sc Radial	103063.9	104.02	%	0.815				0.78%
Al_1 396.153 Rt	47.6	0.00649	mg/L	0.001410	7.7892	mg/L	1.69296	21.73%
Al_2 308.215 Rt	24.4	0.01282	mg/L	0.005120	15.388	mg/L	6.1466	39.95%
Ca 315.887 Rt	2118.7	0.27067	mg/L	0.000323	324.94	mg/L	0.388	0.12%
Fe_1 273.955†	862.2	0.01831	mg/L	0.000439	21.979	mg/L	0.5272	2.40%
Fe_2 238.863 Rt	11.0	0.02077	mg/L	0.012622	24.934	mg/L	15.1528	60.77%
Mg 279.077 Rt	24.9	0.02423	mg/L	0.001246	29.086	mg/L	1.4954	5.14%
Na_1 589.592 Rt	4774.8	0.58209	mg/L	0.006632	698.79	mg/L	7.961	1.14%
Na_2 330.237 Rt	-5.7	-0.12424	mg/L	0.924757	-149.15	mg/L	1110.152	744.34%
Zn 206.200†	107.8	0.00338	mg/L	0.000070	4.0574	mg/L	0.08358	2.06%

Sequence No.: 49
Sample ID: H5NJV
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 73
Date Collected: 5/25/2006 11:11:52 AM
Data Type: Reprocessed on 5/25/2006 12:25:33 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	423449.7	102.27	%	0.724				0.71%
In Radial	11083.0	104.65	%	5.426				5.19%
Y_ Axial	1576635.1	101.54	%	0.593				0.58%
Y_ Radial	98135.5	104.26	%	4.745				4.55%
Sc Axial	1732925.7	101.53	%	0.614				0.60%
Sc Radial	102960.2	103.92	%	4.692				4.51%
Al_1 396.153 R†	40.8	0.00556	mg/L	0.001841	6.6776	mg/L	2.21050	33.10%
Al_2 308.215 R†	18.3	0.00962	mg/L	0.003488	11.550	mg/L	4.1869	36.25%
Ca 315.887 R†	2041.0	0.26074	mg/L	0.002365	313.01	mg/L	2.839	0.91%
Fe_1 273.955†	817.6	0.01736	mg/L	0.000044	20.841	mg/L	0.0523	0.25%
Fe_2 238.863 R†	10.3	0.01952	mg/L	0.002524	23.434	mg/L	3.0296	12.93%
Mg 279.077 R†	20.9	0.02027	mg/L	0.008734	24.332	mg/L	10.4855	43.09%
Na_1 589.592 R†	4332.1	0.52812	mg/L	0.013850	634.00	mg/L	16.627	2.62%
Na_2 330.237 R†	-8.0	-0.17181	mg/L	0.708650	-206.25	mg/L	850.721	412.47%
Zn 206.200†	143.3	0.00449	mg/L	0.000038	5.3935	mg/L	0.04581	0.85%

Sequence No.: 50
Sample ID: H5NJW
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 74
Date Collected: 5/25/2006 11:15:30 AM
Data Type: Reprocessed on 5/25/2006 12:25:36 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJW

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
In Axial	427668.7	103.29	%	0.250				0.24%
In Radial	11099.9	104.81	%	0.408				0.39%
Y_ Axial	1591232.9	102.48	%	0.382				0.37%
Y_ Radial	97887.0	104.00	%	0.433				0.42%
Sc Axial	1747825.4	102.40	%	0.301				0.29%
Sc Radial	102840.3	103.79	%	0.355				0.34%
Al_1 396.153 R†	2665.6	0.36315	mg/L	0.008734	435.95	mg/L	10.485	2.41%
Al_2 308.215 R†	693.4	0.36491	mg/L	0.007791	438.07	mg/L	9.353	2.14%
Ca 315.887 R†	7571.1	0.96722	mg/L	0.000529	1161.1	mg/L	0.63	0.05%
Fe_1 273.955†	22663.1	0.48124	mg/L	0.000793	577.72	mg/L	0.952	0.16%
Fe_2 238.863 R†	251.0	0.47485	mg/L	0.013001	570.05	mg/L	15.607	2.74%
Mg 279.077 R†	334.7	0.32524	mg/L	0.014350	390.45	mg/L	17.227	4.41%
Na_1 589.592 R†	24099.6	2.9379	mg/L	0.01415	3526.9	mg/L	16.99	0.48%
Na_2 330.237 R†	106.9	2.2472	mg/L	1.15517	2697.8	mg/L	1386.75	51.40%
Zn 206.200†	364.4	0.01142	mg/L	0.000062	13.714	mg/L	0.0740	0.54%

Sequence No.: 51
Sample ID: H5NJ1
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 75
Date Collected: 5/25/2006 11:19:04 AM
Data Type: Reprocessed on 5/25/2006 12:25:36 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJ1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	431663.6	104.25	%	2.153				2.07%
In Radial	11047.6	104.32	%	0.365				0.35%
Y_ Axial	1612064.3	103.82	%	1.990				1.92%
Y_ Radial	97979.9	104.10	%	0.414				0.40%
Sc Axial	1768834.4	103.63	%	2.050				1.98%
Sc Radial	102797.8	103.75	%	0.537				0.52%
Al_1 396.153 R†	2582.2	0.35179	mg/L	0.010525	422.32	mg/L	12.635	2.99%
Al_2 308.215 R†	657.7	0.34612	mg/L	0.001087	415.51	mg/L	1.305	0.31%
Ca 315.887 R†	7374.3	0.94209	mg/L	0.000099	1131.0	mg/L	0.12	0.01%
Fe_1 273.955†	21304.5	0.45239	mg/L	0.010041	543.08	mg/L	12.054	2.22%
Fe_2 238.863 R†	236.8	0.44784	mg/L	0.004770	537.62	mg/L	5.726	1.07%
Mg 279.077 R†	315.7	0.30682	mg/L	0.002120	368.33	mg/L	2.546	0.69%
Na_1 589.592 R†	17987.2	2.1928	mg/L	0.01370	2632.4	mg/L	16.45	0.62%
Na_2 330.237 R†	114.6	2.4109	mg/L	0.83939	2894.2	mg/L	1007.67	34.82%
Zn 206.200†	337.6	0.01058	mg/L	0.000087	12.705	mg/L	0.1050	0.83%

Sequence No.: 52
Sample ID: CCV
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/25/2006 11:22:41 AM
Data Type: Reprocessed on 5/25/2006 12:25:37 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	399369.3	96.451	%	2.3190				2.40%
In Radial	10432.9	98.514	%	0.1124				0.11%
Y_ Axial	1527220.7	98.356	%	2.2266				2.26%
Y_ Radial	93208.1	99.027	%	0.3666				0.37%
Sc Axial	1678860.5	98.360	%	1.8847				1.92%
Sc Radial	98407.3	99.320	%	0.2582				0.26%
Al_1 396.153 R†	185218.7	25.233	mg/L	0.0984	25.233	mg/L	0.0984	0.39%
Al_2 308.215 R†	46110.7	24.267	mg/L	0.0561	24.267	mg/L	0.0561	0.23%
Ca 315.887 R†	208107.1	26.586	mg/L	0.4018	26.586	mg/L	0.4018	1.51%
Fe_1 273.955†	1217717.2	25.858	mg/L	0.1098	25.858	mg/L	0.1098	0.42%
Fe_2 238.863 R†	13678.8	25.875	mg/L	0.0628	25.875	mg/L	0.0628	0.24%
Mg 279.077 R†	26654.9	25.903	mg/L	0.0693	25.903	mg/L	0.0693	0.27%
Na_1 589.592 R†	202207.3	24.651	mg/L	0.2437	24.651	mg/L	0.2437	0.99%
Na_2 330.237 R†	1223.3	24.302	mg/L	0.1805	24.302	mg/L	0.1805	0.74%
Zn 206.200†	84224.0	2.6406	mg/L	0.01514	2.6406	mg/L	0.01514	0.57%

Sequence No.: 53
Sample ID: CCB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/25/2006 11:25:34 AM
Data Type: Reprocessed on 5/25/2006 12:25:40 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	429593.3	103.75	%	0.268				0.26%
In Radial	11076.2	104.59	%	0.647				0.62%
Y_ Axial	1605386.2	103.39	%	0.126				0.12%
Y_ Radial	97305.0	103.38	%	0.521				0.50%
Sc Axial	1762355.6	103.25	%	0.214				0.21%
Sc Radial	101958.8	102.90	%	0.573				0.56%
Al_1 396.153 R†	-4.9	-0.00067	mg/L	0.010434	-0.00067	mg/L	0.010434	>999.9%
Al_2 308.215 R†	2.7	0.00144	mg/L	0.001090	0.00144	mg/L	0.001090	75.96%
Ca 315.887 R†	-8.9	-0.00113	mg/L	0.000761	-0.00113	mg/L	0.000761	67.22%
Fe_1 273.955†	87.1	0.00185	mg/L	0.000537	0.00185	mg/L	0.000537	29.03%
Fe_2 238.863 R†	2.4	0.00451	mg/L	0.015328	0.00451	mg/L	0.015328	339.67%
Mg 279.077 R†	-3.2	-0.00312	mg/L	0.009126	-0.00312	mg/L	0.009126	292.57%
Na_1 589.592 R†	-986.9	-0.12031	mg/L	0.000717	-0.12031	mg/L	0.000717	0.60%
Na_2 330.237 R†	29.6	0.62557	mg/L	0.321524	0.62557	mg/L	0.321524	51.40%
Zn 206.200†	10.2	0.00032	mg/L	0.000007	0.00032	mg/L	0.000007	2.19%

Sequence No.: 54
Sample ID: H5NJ3
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 76
Date Collected: 5/25/2006 11:29:38 AM
Data Type: Reprocessed on 5/25/2006 12:25:43 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJ3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	430387.9	103.94	%	0.937				0.90%
In Radial	11125.0	105.05	%	0.185				0.18%
Y_ Axial	1605083.8	103.37	%	0.815				0.79%
Y_ Radial	95978.7	101.97	%	2.716				2.66%
Sc Axial	1763554.4	103.32	%	0.952				0.92%
Sc Radial	100623.2	101.56	%	2.469				2.43%
Al_1 396.153 R†	3434.7	0.46793	mg/L	0.005763	561.74	mg/L	6.919	1.23%
Al_2 308.215 R†	869.5	0.45757	mg/L	0.018683	549.31	mg/L	22.429	4.08%
Ca 315.887 R†	8584.1	1.0966	mg/L	0.03889	1316.5	mg/L	46.69	3.55%
Fe_1 273.955†	28815.7	0.61188	mg/L	0.000600	734.55	mg/L	0.721	0.10%
Fe_2 238.863 R†	328.9	0.62214	mg/L	0.033197	746.87	mg/L	39.852	5.34%
Mg 279.077 R†	420.9	0.40906	mg/L	0.013097	491.07	mg/L	15.723	3.20%
Na_1 589.592 R†	21934.8	2.6740	mg/L	0.01543	3210.1	mg/L	18.52	0.58%
Na_2 330.237 R†	130.1	2.7357	mg/L	0.27513	3284.1	mg/L	330.28	10.06%
Zn 206.200†	429.9	0.01348	mg/L	0.000169	16.180	mg/L	0.2026	1.25%

Sequence No.: 55
Sample ID: H5NJ4
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 77
Date Collected: 5/25/2006 11:33:12 AM
Data Type: Reprocessed on 5/25/2006 12:25:44 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJ4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	436163.7	105.34	%	0.987				0.94%
In Radial	11158.7	105.37	%	0.188				0.18%
Y_ Axial	1628013.3	104.85	%	0.897				0.86%
Y_ Radial	98746.9	104.91	%	0.642				0.61%
Sc Axial	1788371.8	104.78	%	0.877				0.84%
Sc Radial	103483.0	104.44	%	0.581				0.56%
Al_1 396.153 R†	3993.1	0.54400	mg/L	0.001598	653.06	mg/L	1.919	0.29%
Al_2 308.215 R†	1019.5	0.53656	mg/L	0.005550	644.13	mg/L	6.663	1.03%
Ca 315.887 R†	10014.1	1.2793	mg/L	0.00427	1535.8	mg/L	5.12	0.33%
Fe_1 273.955†	34955.7	0.74226	mg/L	0.003314	891.07	mg/L	3.978	0.45%
Fe_2 238.863 R†	383.6	0.72553	mg/L	0.006966	870.99	mg/L	8.363	0.96%
Mg 279.077 R†	476.3	0.46289	mg/L	0.007251	555.69	mg/L	8.705	1.57%
Na_1 589.592 R†	17705.1	2.1584	mg/L	0.02663	2591.1	mg/L	31.97	1.23%
Na_2 330.237 R†	94.5	1.9804	mg/L	0.38420	2377.4	mg/L	461.22	19.40%
Zn 206.200†	631.5	0.01980	mg/L	0.000058	23.767	mg/L	0.0691	0.29%

Sequence No.: 56
Sample ID: H5NJ5
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 78
Date Collected: 5/25/2006 11:36:46 AM
Data Type: Reprocessed on 5/25/2006 12:25:47 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJ5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	425154.0	102.68	%	0.179				0.17%
In Radial	11174.2	105.51	%	1.371				1.30%
Y_ Axial	1587373.6	102.23	%	0.014				0.01%
Y_ Radial	99162.5	105.35	%	1.264				1.20%
Sc Axial	1743692.1	102.16	%	0.135				0.13%
Sc Radial	104014.5	104.98	%	1.193				1.14%
Al_1 396.153 R†	2609.3	0.35548	mg/L	0.000072	426.75	mg/L	0.086	0.02%
Al_2 308.215 R†	671.8	0.35353	mg/L	0.001772	424.41	mg/L	2.127	0.50%
Ca 315.887 R†	7502.1	0.95841	mg/L	0.001140	1150.5	mg/L	1.37	0.12%
Fe_1 273.955†	22547.5	0.47878	mg/L	0.000521	574.77	mg/L	0.625	0.11%
Fe_2 238.863 R†	247.5	0.46813	mg/L	0.023117	561.99	mg/L	27.751	4.94%
Mg 279.077 R†	330.8	0.32145	mg/L	0.001481	385.90	mg/L	1.778	0.46%
Na_1 589.592 R†	17532.2	2.1373	mg/L	0.01282	2565.8	mg/L	15.39	0.60%
Na_2 330.237 R†	114.8	2.4139	mg/L	0.20509	2897.8	mg/L	246.20	8.50%
Zn 206.200†	356.7	0.01118	mg/L	0.000110	13.427	mg/L	0.1316	0.98%

Sequence No.: 57
Sample ID: H5NJ6
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 79
Date Collected: 5/25/2006 11:40:21 AM
Data Type: Reprocessed on 5/25/2006 12:25:48 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJ6

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	432173.8	104.37	%	1.511				1.45%
In Radial	10956.4	103.46	%	1.512				1.46%
Y_ Axial	1614370.9	103.97	%	1.393				1.34%
Y_ Radial	98892.7	105.07	%	0.571				0.54%
Sc Axial	1773011.8	103.88	%	1.485				1.43%
Sc Radial	103681.7	104.64	%	0.556				0.53%
Al_1 396.153 R†	2680.8	0.36522	mg/L	0.001880	438.44	mg/L	2.257	0.51%
Al_2 308.215 R†	674.5	0.35495	mg/L	0.011031	426.11	mg/L	13.243	3.11%
Ca 315.887 R†	7116.4	0.90913	mg/L	0.003725	1091.4	mg/L	4.47	0.41%
Fe_1 273.955†	21530.3	0.45718	mg/L	0.012005	548.84	mg/L	14.412	2.63%
Fe_2 238.863 R†	235.1	0.44466	mg/L	0.014045	533.80	mg/L	16.860	3.16%
Mg 279.077 R†	312.7	0.30386	mg/L	0.004840	364.78	mg/L	5.811	1.59%
Na_1 589.592 R†	15191.7	1.8520	mg/L	0.00232	2223.3	mg/L	2.79	0.13%
Na_2 330.237 R†	62.5	1.3104	mg/L	0.15036	1573.1	mg/L	180.51	11.47%
Zn 206.200†	339.1	0.01063	mg/L	0.000253	12.761	mg/L	0.3038	2.38%

Sequence No.: 58
Sample ID: H5NJ7
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 80
Date Collected: 5/25/2006 11:43:57 AM
Data Type: Reprocessed on 5/25/2006 12:25:51 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJ7

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	427992.7	103.36	%	1.423				1.38%
In Radial	10975.7	103.64	%	0.409				0.39%
Y_ Axial	1595959.8	102.78	%	1.520				1.48%
Y_ Radial	96902.3	102.95	%	2.171				2.11%
Sc Axial	1752652.1	102.68	%	1.564				1.52%
Sc Radial	101543.2	102.49	%	2.058				2.01%
Al_1 396.153 R†	2642.8	0.36004	mg/L	0.003646	432.22	mg/L	4.377	1.01%
Al_2 308.215 R†	689.2	0.36272	mg/L	0.001236	435.44	mg/L	1.484	0.34%
Ca 315.887 R†	7068.4	0.90300	mg/L	0.005528	1084.0	mg/L	6.64	0.61%
Fe_1 273.955†	22004.2	0.46725	mg/L	0.006820	560.92	mg/L	8.187	1.46%
Fe_2 238.863 R†	245.4	0.46412	mg/L	0.004481	557.17	mg/L	5.379	0.97%
Mg 279.077 R†	309.4	0.30067	mg/L	0.005576	360.95	mg/L	6.693	1.85%
Na_1 589.592 R†	22176.0	2.7034	mg/L	0.01167	3245.4	mg/L	14.01	0.43%
Na_2 330.237 R†	130.9	2.7560	mg/L	0.23163	3308.5	mg/L	278.06	8.40%
Zn 206.200†	330.0	0.01035	mg/L	0.000224	12.420	mg/L	0.2684	2.16%

Sequence No.: 60
Sample ID: H5NJP
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 69
Date Collected: 5/25/2006 11:55:23 AM
Data Type: Reprocessed on 5/25/2006 12:25:56 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5NJP

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	427050.4	103.14	%	0.287				0.28%
In Radial	10999.5	103.86	%	0.474				0.46%
Y_ Axial	1597198.2	102.86	%	0.151				0.15%
Y_ Radial	99855.4	106.09	%	0.427				0.40%
Sc Axial	1753335.5	102.72	%	0.255				0.25%
Sc Radial	104749.4	105.72	%	0.382				0.36%
Al_1 396.153 R†	4587.6	0.62500	mg/L	0.002143	750.30	mg/L	2.573	0.34%
Al_2 308.215 R†	1143.8	0.60196	mg/L	0.001848	722.64	mg/L	2.218	0.31%
Ca 315.887 R†	9126.3	1.1659	mg/L	0.00169	1399.6	mg/L	2.03	0.14%
Fe_1 273.955†	38554.7	0.81869	mg/L	0.000768	982.82	mg/L	0.922	0.09%
Fe_2 238.863 R†	416.6	0.78808	mg/L	0.004791	946.07	mg/L	5.752	0.61%
Mg 279.077 R†	486.5	0.47278	mg/L	0.001730	567.57	mg/L	2.076	0.37%
Na_1 589.592 R†	10729.1	1.3080	mg/L	0.00314	1570.2	mg/L	3.77	0.24%
Na_2 330.237 R†	39.1	0.81310	mg/L	0.197538	976.11	mg/L	237.140	24.29%
Zn 206.200†	618.8	0.01940	mg/L	0.000107	23.289	mg/L	0.1287	0.55%

Sequence No.: 61
Sample ID: CCV
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/25/2006 11:58:58 AM
Data Type: Reprocessed on 5/25/2006 12:25:57 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	392954.2	94.902	%	0.3520				0.37%
In Radial	10637.8	100.45	%	1.043				1.04%
Y_ Axial	1503963.3	96.858	%	0.4577				0.47%
Y_ Radial	94626.5	100.53	%	0.955				0.95%
Sc Axial	1705815.1	99.939	%	0.1085				0.11%
Sc Radial	99876.4	100.80	%	0.768				0.76%
Al_1 396.153 R†	181607.9	24.741	mg/L	0.1058	24.741	mg/L	0.1058	0.43%
Al_2 308.215 R†	45811.9	24.110	mg/L	0.0537	24.110	mg/L	0.0537	0.22%
Ca 315.887 R†	205739.0	26.284	mg/L	0.1110	26.284	mg/L	0.1110	0.42%
Fe_1 273.955†	1215433.0	25.809	mg/L	0.0039	25.809	mg/L	0.0039	0.02%
Fe_2 238.863 R†	13663.3	25.845	mg/L	0.0953	25.845	mg/L	0.0953	0.37%
Mg 279.077 R†	26591.9	25.842	mg/L	0.0234	25.842	mg/L	0.0234	0.09%
Na_1 589.592 R†	199739.1	24.350	mg/L	0.0222	24.350	mg/L	0.0222	0.09%
Na_2 330.237 R†	1227.8	24.404	mg/L	0.8297	24.404	mg/L	0.8297	3.40%
Zn 206.200†	83907.7	2.6307	mg/L	0.00274	2.6307	mg/L	0.00274	0.10%

Sequence No.: 62
Sample ID: CCB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/25/2006 12:01:53 PM
Data Type: Reprocessed on 5/25/2006 12:25:58 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	427549.8	103.26	%	0.571				0.55%
In Radial	11039.4	104.24	%	1.886				1.81%
Y_ Axial	1597401.3	102.88	%	0.682				0.66%
Y_ Radial	97160.4	103.23	%	2.413				2.34%
Sc Axial	1753312.2	102.72	%	0.667				0.65%
Sc Radial	101948.8	102.89	%	2.337				2.27%
Al_1 396.153 R†	34.6	0.00471	mg/L	0.007743	0.00471	mg/L	0.007743	164.38%
Al_2 308.215 R†	8.3	0.00437	mg/L	0.003070	0.00437	mg/L	0.003070	70.23%
Ca 315.887 R†	-9.8	-0.00125	mg/L	0.001966	-0.00125	mg/L	0.001966	157.75%
Fe_1 273.955†	101.9	0.00216	mg/L	0.000050	0.00216	mg/L	0.000050	2.30%
Fe_2 238.863 R†	7.8	0.01466	mg/L	0.010426	0.01466	mg/L	0.010426	71.10%
Mg 279.077 R†	6.4	0.00621	mg/L	0.011455	0.00621	mg/L	0.011455	184.33%
Na_1 589.592 R†	-979.3	-0.11939	mg/L	0.005260	-0.11939	mg/L	0.005260	4.41%
Na_2 330.237 R†	-6.2	-0.13147	mg/L	0.723769	-0.13147	mg/L	0.723769	550.53%
Zn 206.200†	10.9	0.00034	mg/L	0.000034	0.00034	mg/L	0.000034	9.82%

ICPMS

SEVERN TRENT STL

STL Sacramento
ICP-MS Data Review Checklist
Level I and Level II

Instrument ID (Circle one): (M01) M02		Method 6020 SOP SAC-MT-0001	
File Number 060523A1	Batch Numbers 6139499, 6143344, 6139501, 6142358	Date 5/23/06	Analyst BRJ

Lot Numbers G6E090261, G6E160355, G6E120166, G6E180219	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 <130% 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: MTZ DATE: 5/24/06	DATA ENTERED BY: BRJ DATE: 5/24/06

q:\forms\checklists\qa-427 icpms review.doc QA-427 ERS 6/11/03

Dataset Report

Perkin Elmer ICPMS M01
SOP No. SAC-MT-0001
Method 6020
User Name: JonesB
Computer Name: SACP317A
Dataset File Path: C:\elandata\Dataset\060523A1\
Report Date/Time: Wednesday, May 24, 2006 08:20:36

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Description
	TUNE BJONES	16:07:03 Tue 23-May-06	Sample	
	AUTOLENS BJONES	16:09:20 Tue 23-May-06	Sample	Auto Lens Calib
	DAILY BJONES	16:11:29 Tue 23-May-06	Sample	
6139499	H416N n.i.	16:43:16 Tue 23-May-06	Sample	G6E090261-4 N.I.
6143344	H5HKG n.i.	16:46:02 Tue 23-May-06	Sample	G6E160355-1 N.I.
6139501	H49GR n.i.	16:48:49 Tue 23-May-06	Sample	G6E120166-1 N.I.
6142358	H5NJL n.i.	16:51:37 Tue 23-May-06	Sample	G6E180219-1 N.I.
	Rinse 3X	16:59:22 Tue 23-May-06	Sample	
	Blank	17:03:59 Tue 23-May-06	Blank	
	Standard 1	17:08:30 Tue 23-May-06	Standard #1	
	ICV	17:12:45 Tue 23-May-06	Sample -OUT Fe54	
	ICB	17:17:05 Tue 23-May-06	Sample	
	ICSA	17:21:25 Tue 23-May-06	Sample	
	ICSAB	17:25:43 Tue 23-May-06	Sample	
	Rinse	17:37:41 Tue 23-May-06	Sample	
6139501	FB	17:42:03 Tue 23-May-06	Sample	FB-F1815158
6142358	FB	17:46:27 Tue 23-May-06	Sample	FB-F1815158
	CCV 1	17:50:48 Tue 23-May-06	Sample	
	CCB 1	17:55:09 Tue 23-May-06	Sample	
	CCV 2	17:59:30 Tue 23-May-06	Sample	
	CCB 2	18:03:51 Tue 23-May-06	Sample	
6139499	H5T0MC	18:08:09 Tue 23-May-06	Sample	G6E190000-499 LCS
6139499	H5T0ML	18:12:25 Tue 23-May-06	Sample	G6E190000-499 LCSD
	Rinse	18:16:44 Tue 23-May-06	Sample	
6139499	H5T0MB	18:21:06 Tue 23-May-06	Sample	G6E190000-499 BLK
6139499	H416N	18:25:25 Tue 23-May-06	Sample	G6E090261-4
6139499	H416NP5	18:29:41 Tue 23-May-06	Sample	G6E090261-4 5X
6139499	H416NZ	18:33:59 Tue 23-May-06	Sample	G6E090261-4 PS
6139499	H416R	18:38:16 Tue 23-May-06	Sample	G6E090261-5
6139499	H416T	18:42:34 Tue 23-May-06	Sample	G6E090261-6
	CCV 3 >RECAL	18:46:53 Tue 23-May-06	Sample	
	CCB 3	18:51:14 Tue 23-May-06	Sample	
	CCV 4	18:55:35 Tue 23-May-06	Sample	
	CCB 4	18:59:55 Tue 23-May-06	Sample	
6143344	H5031C	19:04:14 Tue 23-May-06	Sample	G6E230000-344 LCS
6143344	H5031L	19:08:31 Tue 23-May-06	Sample	G6E230000-344 LCSD
	Rinse	19:12:50 Tue 23-May-06	Sample	
6143344	H5031B	19:17:12 Tue 23-May-06	Sample	G6E230000-344 BLK
6143344	H5HKG	19:21:32 Tue 23-May-06	Sample	G6E160355-1
6143344	H5HKGP5	19:25:51 Tue 23-May-06	Sample	G6E160355-1 5X
6143344	H5HKGZ	19:30:10 Tue 23-May-06	Sample	G6E160355-1 PS
6143344	H5HKH	19:34:30 Tue 23-May-06	Sample	G6E160355-2
	CCV 5	19:38:50 Tue 23-May-06	Sample	
	CCB 5	19:43:10 Tue 23-May-06	Sample	
	CCV 6	19:47:31 Tue 23-May-06	Sample	
	CCB 6	19:51:52 Tue 23-May-06	Sample	
6139501	H5T00B	19:56:14 Tue 23-May-06	Sample	G6E190000-501 BLK
6139501	H5T00C	20:00:33 Tue 23-May-06	Sample	G6E190000-501 LCS
6139501	H5T00L	20:04:51 Tue 23-May-06	Sample	G6E190000-501 LCSD

6139501	H49GR	20:09:08 Tue 23-May-06	Sample	G6E120166-1
6139501	H49GRP5	20:13:24 Tue 23-May-06	Sample	G6E120166-1 5X
6139501	H49GRZ	20:17:41 Tue 23-May-06	Sample	G6E120166-1 PS
6139501	H49G2	20:21:59 Tue 23-May-06	Sample	G6E120166-2
6139501	H49G3	20:26:16 Tue 23-May-06	Sample	G6E120166-3
6139501	H49G4	20:30:34 Tue 23-May-06	Sample	G6E120166-4
6139501	H49G7	20:34:53 Tue 23-May-06	Sample	G6E120166-5
	CCV 7	20:39:12 Tue 23-May-06	Sample	
	CCB 7	20:43:33 Tue 23-May-06	Sample	
	CCV 8	20:47:54 Tue 23-May-06	Sample	
	CCB 8	20:52:15 Tue 23-May-06	Sample	
6139501	H49HA	20:56:35 Tue 23-May-06	Sample	G6E120166-6
6139501	H49HC	21:00:54 Tue 23-May-06	Sample	G6E120166-7
6139501	H49HE	21:05:14 Tue 23-May-06	Sample	G6E120166-8
6139501	H49HL	21:09:34 Tue 23-May-06	Sample	G6E120166-9
6139501	H49HP	21:13:55 Tue 23-May-06	Sample	G6E120166-10
6139501	H49HQ	21:18:16 Tue 23-May-06	Sample	G6E120166-11
6139501	H49HT	21:22:37 Tue 23-May-06	Sample	G6E120166-12
6139501	H49HX	21:26:58 Tue 23-May-06	Sample	G6E120166-13
6139501	H49H1	21:31:20 Tue 23-May-06	Sample	G6E120166-14
6139501	H49H5	21:35:43 Tue 23-May-06	Sample	G6E120166-15
	CCV 9	21:40:04 Tue 23-May-06	Sample	
	CCB 9	21:44:25 Tue 23-May-06	Sample	
	CCV 10	21:48:46 Tue 23-May-06	Sample	
	CCB 10	21:53:07 Tue 23-May-06	Sample	
6142358	H5XGMB	21:57:29 Tue 23-May-06	Sample	G6E220000-358 BLK
6142358	H5XGMC	22:01:50 Tue 23-May-06	Sample	G6E220000-358 LCS
6142358	H5XGML	22:06:08 Tue 23-May-06	Sample	G6E220000-358 LCSD
6142358	H5NJL	22:10:25 Tue 23-May-06	Sample	G6E180219-1
6142358	H5NJLP5	22:14:41 Tue 23-May-06	Sample	G6E180219-1 5X
6142358	H5NJLZ	22:18:58 Tue 23-May-06	Sample	G6E180219-1 PS
6142358	H5NJM	22:23:14 Tue 23-May-06	Sample	G6E180219-2
6142358	H5NJN	22:27:31 Tue 23-May-06	Sample	G6E180219-3
6142358	H5NJP	22:31:49 Tue 23-May-06	Sample	G6E180219-4
6142358	H5NJQ	22:36:07 Tue 23-May-06	Sample	G6E180219-5
	CCV 11	22:40:26 Tue 23-May-06	Sample	
	CCB 11	22:44:47 Tue 23-May-06	Sample	
	CCV 12	22:49:08 Tue 23-May-06	Sample	
	CCB 12	22:53:29 Tue 23-May-06	Sample	
6142358	H5NJR	22:57:48 Tue 23-May-06	Sample	G6E180219-6
6142358	H5NJT	23:02:07 Tue 23-May-06	Sample	G6E180219-7
6142358	H5NJV	23:06:26 Tue 23-May-06	Sample	G6E180219-8
6142358	H5NJW	23:10:46 Tue 23-May-06	Sample	G6E180219-9
6142358	H5NJ1	23:15:06 Tue 23-May-06	Sample	G6E180219-10
6142358	H5NJ3	23:19:26 Tue 23-May-06	Sample	G6E180219-11
6142358	H5NJ4	23:23:47 Tue 23-May-06	Sample	G6E180219-12
6142358	H5NJ5	23:28:08 Tue 23-May-06	Sample	G6E180219-13
6142358	H5NJ6	23:32:30 Tue 23-May-06	Sample	G6E180219-14
6142358	H5NJ7	23:36:52 Tue 23-May-06	Sample	G6E180219-15
	CCV 13	23:41:13 Tue 23-May-06	Sample - OUT A1	
	CCB 13	23:45:34 Tue 23-May-06	Sample	

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 05/24/06 11:56:51

File ID: **060523A1** **Analyst: ionesb**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	H416N n.i.	G6E090261-4	6139499	2A	1.0	05/23/06 16:43		☐
2	H5HKG n.i.	G6E160355-1	6143344	2A	1.0	05/23/06 16:46		☐
3	H49GR n.i.	G6E120166-1	6139501	2A	1.0	05/23/06 16:48		☐
4	H5NJL n.i.	G6E180219-1	6142358	2A	1.0	05/23/06 16:51		☐
5	Rinse 3X				3.0	05/23/06 16:59		☐
6	Blank				1.0	05/23/06 17:03		☐
7	Standard1				1.0	05/23/06 17:08		☐
8	ICV				1.0	05/23/06 17:12		☐
9	ICB				1.0	05/23/06 17:17		☐
10	ICSA				1.0	05/23/06 17:21		☐
11	ICSAB				1.0	05/23/06 17:25		☐
12	Rinse				1.0	05/23/06 17:37		☐
13	FB				1.0	05/23/06 17:42		☐
14	FB				1.0	05/23/06 17:46		☐
15	CCV 1				1.0	05/23/06 17:50		☐
16	CCB 1				1.0	05/23/06 17:55		☐
17	CCV 2				1.0	05/23/06 17:59		☐
18	CCB 2				1.0	05/23/06 18:03		☐
19	H5T0MC	G6E190000	6139499	2A	1.0	05/23/06 18:08		☐
20	H5T0ML	G6E190000	6139499	2A	1.0	05/23/06 18:12		☐
21	Rinse				1.0	05/23/06 18:16		☐
22	H5T0MB	G6E190000	6139499	2A	1.0	05/23/06 18:21		☐
23	H416N	G6E090261-4	6139499	2A	1.0	05/23/06 18:25		☐
24	H416NP5	G6E090261	6139499		5.0	05/23/06 18:29		☐
25	H416NZ	G6E090261-4	6139499		1.0	05/23/06 18:33		☐
26	H416R	G6E090261-5	6139499	2A	1.0	05/23/06 18:38		☐
27	H416T	G6E090261-6	6139499	2A	1.0	05/23/06 18:42		☐
28	CCV 3				1.0	05/23/06 18:46		☐
29	CCB 3				1.0	05/23/06 18:51		☐
32	CCV 4				1.0	05/23/06 18:55		☐
33	CCB 4				1.0	05/23/06 18:59		☐
34	H5031C	G6E230000	6143344	2A	1.0	05/23/06 19:04		☐
35	H5031L	G6E230000	6143344	2A	1.0	05/23/06 19:08		☐
36	Rinse				1.0	05/23/06 19:12		☐
37	H5031B	G6E230000	6143344	2A	1.0	05/23/06 19:17		☐
38	H5HKG	G6E160355-1	6143344	2A	1.0	05/23/06 19:21		☐
39	H5HKGP5	G6E160355	6143344		5.0	05/23/06 19:25		☐
40	H5HKGZ	G6E160355-1	6143344		1.0	05/23/06 19:30		☐
41	H5HKH	G6E160355-2	6143344	2A	1.0	05/23/06 19:34		☐
42	CCV 5				1.0	05/23/06 19:38		☐
43	CCB 5				1.0	05/23/06 19:43		☐
44	CCV 6				1.0	05/23/06 19:47		☐
45	CCB 6				1.0	05/23/06 19:51		☐
46	H5T00B	G6E190000	6139501	2A	1.0	05/23/06 19:56		☐
47	H5T00C	G6E190000	6139501	2A	1.0	05/23/06 20:00		☐
48	H5T00L	G6E190000	6139501	2A	1.0	05/23/06 20:04		☐

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 05/24/06 11:56:51

File ID: 060523A1 **Analyst: ionesb**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
49	H49GR	G6E120166-1	6139501	2A	1.0	05/23/06 20:09		☐
50	H49GRP5	G6E120166	6139501		5.0	05/23/06 20:13		☐
51	H49GRZ	G6E120166-1	6139501		1.0	05/23/06 20:17		☐
52	H49G2	G6E120166-2	6139501	2A	1.0	05/23/06 20:21		☐
53	H49G3	G6E120166-3	6139501	2A	1.0	05/23/06 20:26		☐
54	H49G4	G6E120166-4	6139501	2A	1.0	05/23/06 20:30		☐
55	H49G7	G6E120166-5	6139501	2A	1.0	05/23/06 20:34		☐
56	CCV 7				1.0	05/23/06 20:39		☐
57	CCB 7				1.0	05/23/06 20:43		☐
58	CCV 8				1.0	05/23/06 20:47		☐
59	CCB 8				1.0	05/23/06 20:52		☐
60	H49HA	G6E120166-6	6139501	2A	1.0	05/23/06 20:56		☐
61	H49HC	G6E120166-7	6139501	2A	1.0	05/23/06 21:00		☐
62	H49HE	G6E120166-8	6139501	2A	1.0	05/23/06 21:05		☐
63	H49HL	G6E120166-9	6139501	2A	1.0	05/23/06 21:09		☐
64	H49HP	G6E120166-10	6139501	2A	1.0	05/23/06 21:13		☐
65	H49HQ	G6E120166-11	6139501	2A	1.0	05/23/06 21:18		☐
66	H49HT	G6E120166-12	6139501	2A	1.0	05/23/06 21:22		☐
67	H49HX	G6E120166-13	6139501	2A	1.0	05/23/06 21:26		☐
68	H49H1	G6E120166-14	6139501	2A	1.0	05/23/06 21:31		☐
69	H49H5	G6E120166-15	6139501	2A	1.0	05/23/06 21:35		☐
70	CCV 9				1.0	05/23/06 21:40		☐
71	CCB 9				1.0	05/23/06 21:44		☐
72	CCV 10				1.0	05/23/06 21:48		☐
73	CCB 10				1.0	05/23/06 21:53		☐
74	H5XGMB	G6E220000	6142358	2A	1.0	05/23/06 21:57		☐
75	H5XGMC	G6E220000	6142358	2A	1.0	05/23/06 22:01		☐
76	H5XGML	G6E220000	6142358	2A	1.0	05/23/06 22:06		☐
77	H5NJL	G6E180219-1	6142358	2A	1.0	05/23/06 22:10		☐
78	H5NJLP5	G6E180219	6142358		5.0	05/23/06 22:14		☐
79	H5NJLZ	G6E180219-1	6142358		1.0	05/23/06 22:18		☐
80	H5NJM	G6E180219-2	6142358	2A	1.0	05/23/06 22:23		☐
81	H5NJN	G6E180219-3	6142358	2A	1.0	05/23/06 22:27		☐
82	H5NJP	G6E180219-4	6142358	2A	1.0	05/23/06 22:31		☐
83	H5NJQ	G6E180219-5	6142358	2A	1.0	05/23/06 22:36		☐
84	CCV 11				1.0	05/23/06 22:40		☐
85	CCB 11				1.0	05/23/06 22:44		☐
86	CCV 12				1.0	05/23/06 22:49		☐
87	CCB 12				1.0	05/23/06 22:53		☐
88	H5NJR	G6E180219-6	6142358	2A	1.0	05/23/06 22:57		☐
89	H5NJT	G6E180219-7	6142358	2A	1.0	05/23/06 23:02		☐
90	H5NJV	G6E180219-8	6142358	2A	1.0	05/23/06 23:06		☐
91	H5NJW	G6E180219-9	6142358	2A	1.0	05/23/06 23:10		☐
92	H5NJ1	G6E180219-10	6142358	2A	1.0	05/23/06 23:15		☐
93	H5NJ3	G6E180219-11	6142358	2A	1.0	05/23/06 23:19		☐
94	H5NJ4	G6E180219-12	6142358	2A	1.0	05/23/06 23:23		☐

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 05/24/06 11:56:51

File ID: **060523A1** **Analyst: ionesb**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
95	H5NJ5	G6E180219-13	6142358	2A	1.0	05/23/06 23:28		☐
96	H5NJ6	G6E180219-14	6142358	2A	1.0	05/23/06 23:32		☐
97	H5NJ7	G6E180219-15	6142358	2A	1.0	05/23/06 23:36		☐
98	CCV 13				1.0	05/23/06 23:41		☐
99	CCB 13				1.0	05/23/06 23:45		☐

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 05/24/06 11:56:51

File ID: **060523A1** **Analyst: ionesb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	H416N n.i.	05/23/06 16:43	0.1	0.0	0.1	0.0	☐
2	H5HKG n.i.	05/23/06 16:46	0.1	0.0	0.1	0.0	☐
3	H49GR n.i.	05/23/06 16:48	0.0	0.0	0.1	0.0	☐
4	H5NJL n.i.	05/23/06 16:51	0.1	0.0	0.1	0.0	☐
5	Rinse 3X	05/23/06 16:59	99.3	99.3	100.5	99.6	☐
6	Blank	05/23/06 17:03	100.0	100.0	100.0	100.0	☑
7	Standard1	05/23/06 17:08	99.9	96.3	98.1	99.3	☑
8	ICV	05/23/06 17:12	99.3	98.2	102.7	98.2	☑
9	ICB	05/23/06 17:17	101.6	100.8	100.7	100.1	☑
10	ICSA	05/23/06 17:21	85.6	90.2	86.3	91.5	☑
11	ICSAB	05/23/06 17:25	83.3	92.8	76.8	93.2	☑
12	Rinse	05/23/06 17:37	102.0	100.8	101.0	98.6	☑
13	FB	05/23/06 17:42	96.7	96.9	98.7	96.8	☑
14	FB	05/23/06 17:46	99.0	97.9	98.6	99.4	☑
15	CCV 1	05/23/06 17:50	100.3	95.9	103.3	97.0	☑
16	CCB 1	05/23/06 17:55	102.0	99.1	103.6	98.7	☑
17	CCV 2	05/23/06 17:59	97.8	94.1	100.9	96.1	☑
18	CCB 2	05/23/06 18:03	99.8	97.2	101.2	96.7	☑
19	H5T0MC	05/23/06 18:08	97.6	94.5	100.8	96.7	☑
20	H5T0ML	05/23/06 18:12	97.6	97.1	103.1	98.1	☑
21	Rinse	05/23/06 18:16	102.2	97.0	104.7	99.3	☑
22	H5T0MB	05/23/06 18:21	97.3	97.1	105.6	98.5	☑
23	H416N	05/23/06 18:25	98.8	97.4	105.9	99.5	☑
24	H416NP5	05/23/06 18:29	99.3	97.7	103.7	97.4	☐
25	H416NZ	05/23/06 18:33	100.1	98.0	109.1	100.2	☑
26	H416R	05/23/06 18:38	102.5	98.5	104.9	100.7	☑
27	H416T	05/23/06 18:42	99.1	96.2	105.1	100.4	☑
28	CCV 3	05/23/06 18:46	103.0	96.6	107.0	98.3	☑
29	CCB 3	05/23/06 18:51	102.1	97.9	107.0	99.3	☑
32	CCV 4	05/23/06 18:55	99.4	97.7	97.6	99.2	☑
33	CCB 4	05/23/06 18:59	100.5	99.5	99.2	100.4	☑
34	H5031C	05/23/06 19:04	96.3	98.2	97.5	100.1	☑
35	H5031L	05/23/06 19:08	96.9	98.6	99.2	101.0	☑
36	Rinse	05/23/06 19:12	101.0	101.0	100.3	100.5	☑
37	H5031B	05/23/06 19:17	97.1	99.2	100.3	101.6	☑
38	H5HKG	05/23/06 19:21	98.7	99.4	101.2	101.3	☑
39	H5HKGP5	05/23/06 19:25	100.9	101.4	102.0	102.9	☐
40	H5HKGZ	05/23/06 19:30	98.0	98.3	99.9	102.4	☑
41	H5HKH	05/23/06 19:34	98.9	101.1	98.0	103.4	☑
42	CCV 5	05/23/06 19:38	102.6	99.1	102.8	101.4	☑
43	CCB 5	05/23/06 19:43	101.4	103.3	101.1	103.9	☑
44	CCV 6	05/23/06 19:47	99.4	98.1	103.5	100.9	☑
45	CCB 6	05/23/06 19:51	105.5	104.7	101.3	106.1	☑
46	H5T00B	05/23/06 19:56	99.7	101.1	101.7	103.2	☑
47	H5T00C	05/23/06 20:00	99.9	102.6	101.9	103.6	☑
48	H5T00L	05/23/06 20:04	99.8	101.1	101.8	104.5	☑

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 05/24/06 11:56:51

File ID: **060523A1** **Analyst: ionesb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
49	H49GR	05/23/06 20:09	100.3	99.8	99.8	104.1	☑
50	H49GRP5	05/23/06 20:13	101.6	100.4	102.9	101.6	☐
51	H49GRZ	05/23/06 20:17	98.7	100.6	106.5	104.1	☑
52	H49G2	05/23/06 20:21	101.3	102.5	105.5	105.9	☑
53	H49G3	05/23/06 20:26	98.4	98.2	100.1	104.3	☑
54	H49G4	05/23/06 20:30	99.4	98.5	99.7	103.4	☑
55	H49G7	05/23/06 20:34	103.1	103.0	106.4	106.6	☑
56	CCV 7	05/23/06 20:39	103.0	100.0	104.9	102.8	☑
57	CCB 7	05/23/06 20:43	103.5	100.1	104.9	103.8	☑
58	CCV 8	05/23/06 20:47	102.8	100.3	102.1	102.8	☑
59	CCB 8	05/23/06 20:52	106.1	104.1	103.8	106.5	☑
60	H49HA	05/23/06 20:56	101.9	102.3	101.4	107.7	☑
61	H49HC	05/23/06 21:00	102.0	102.3	102.4	106.8	☑
62	H49HE	05/23/06 21:05	101.6	101.6	105.7	106.4	☑
63	H49HL	05/23/06 21:09	101.6	101.1	99.8	104.3	☑
64	H49HP	05/23/06 21:13	103.7	103.1	105.9	107.3	☑
65	H49HQ	05/23/06 21:18	102.3	101.5	103.7	106.6	☑
66	H49HT	05/23/06 21:22	99.7	99.0	101.6	104.4	☑
67	H49HX	05/23/06 21:26	100.6	100.6	102.2	105.1	☑
68	H49H1	05/23/06 21:31	102.9	102.7	103.5	107.3	☑
69	H49H5	05/23/06 21:35	102.5	102.5	101.9	106.5	☑
70	CCV 9	05/23/06 21:40	105.2	100.4	105.8	104.4	☑
71	CCB 9	05/23/06 21:44	105.7	104.5	104.4	106.0	☑
72	CCV 10	05/23/06 21:48	104.5	100.1	105.3	103.3	☑
73	CCB 10	05/23/06 21:53	105.5	101.7	100.6	104.6	☑
74	H5XGMB	05/23/06 21:57	102.1	101.9	102.4	108.7	☑
75	H5XGMC	05/23/06 22:01	100.8	102.5	103.7	108.3	☑
76	H5XGML	05/23/06 22:06	101.3	99.9	107.8	106.9	☑
77	H5NJL	05/23/06 22:10	102.3	102.7	106.1	107.5	☑
78	H5NJLP5	05/23/06 22:14	104.2	101.0	103.6	105.4	☐
79	H5NJLZ	05/23/06 22:18	100.7	99.4	104.8	104.7	☑
80	H5NJM	05/23/06 22:23	101.3	100.2	102.1	105.5	☑
81	H5NJN	05/23/06 22:27	100.5	101.0	107.1	106.5	☑
82	H5NJP	05/23/06 22:31	101.9	100.5	103.6	105.4	☑
83	H5NJQ	05/23/06 22:36	101.6	98.7	100.5	103.1	☑
84	CCV 11	05/23/06 22:40	105.0	100.2	104.0	105.8	☑
85	CCB 11	05/23/06 22:44	105.7	102.3	103.8	106.2	☑
86	CCV 12	05/23/06 22:49	105.0	101.9	106.4	106.2	☑
87	CCB 12	05/23/06 22:53	105.7	103.2	105.2	105.1	☑
88	H5NJR	05/23/06 22:57	101.6	98.6	100.8	105.0	☑
89	H5NJT	05/23/06 23:02	102.4	103.5	100.4	107.0	☑
90	H5NJV	05/23/06 23:06	104.8	103.4	103.8	108.1	☑
91	H5NJW	05/23/06 23:10	106.0	104.3	107.1	109.3	☑
92	H5NJ1	05/23/06 23:15	104.3	103.2	106.9	108.6	☑
93	H5NJ3	05/23/06 23:19	106.8	104.0	104.3	111.9	☑
94	H5NJ4	05/23/06 23:23	103.8	103.8	105.6	108.8	☑

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 05/24/06 11:56:51

File ID: **060523A1** **Analyst: ionesb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
95	H5NJ5	05/23/06 23:28	102.8	101.3	103.4	105.0	☑
96	H5NJ6	05/23/06 23:32	103.5	101.5	104.4	108.1	☑
97	H5NJ7	05/23/06 23:36	102.3	102.2	103.2	106.7	☑
98	CCV 13	05/23/06 23:41	107.9	102.0	101.4	106.7	☑
99	CCB 13	05/23/06 23:45	106.6	103.0	102.3	106.6	☑

STL SACRAMENTO - Elan 6000 ICPMS Perkin Elmer M01 Quantitative Method Report

File Name: 6139499.mth
File Path: C:\elandata\Method\6139499.mth

Timing Parameters

Sweeps/Reading: 50
Readings/Replicate: 1
Number of Replicates: 3
Tuning File: default.tun
Optimization File: 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
V	50.944	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
Zn	67.925	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
Tl	204.975	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
Zn	66.927	Peak Hopping	1	5.0 ms	250 ms
Zn	65.926	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
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
Pd	105.903	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
V	50.944	-3.108 * Cr 53 + 0.3524 * Cr 52
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	- 0.00244 * 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			
V	50.944	Linear Thru Zero	ug/L	ug/L	100			
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			
Zn	67.925	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
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	
Tl	204.975	Linear Thru Zero	ug/L	ug/L	50
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
Zn	66.927	Linear Thru Zero	ug/L	ug/L	100
Zn	65.926	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	
207.977	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	
Pd	105.903	Linear Thru Zero	ug/L	ug/L	100

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS, M01 – Methods 6020, 200.8

AIR TOX STANDARDS - 4 % HNO3, 0.5 % HCl

Standards for run:

Tuning standard: 2532-60D

Internal standard: 2532-65A

Blank, CCBs: 2531-21C

Standard 1, CCVs: 2532-64D

ICV: 2532-63D

ICSA: 2532-63E

ICSAB: 2532-64A

File Number: **060523A1**

Instrument Tuning Report - Elan 6000

File Name: default.tun

Sample Information

Sample Date/Time: Tuesday, May 23, 2006 16:07:03
Sample ID: TUNE BJONES

Analyte	Exact Mass	Meas. Mass	Mass DAC	Meas. Pk. Width	Res. DAC	Custom Res.
Li	7.016	6.976	1568	0.729	2042	
Be	9.012	8.978	2062	0.723	2036	
Co	58.933	58.879	14281	0.737	1908	
In	114.904	114.879	27953	0.724	1866	
Ce	139.905	139.878	34027	0.720	1912	
Tl	204.975	204.979	49747	0.715	2132	
Pb	207.977	207.979	50476	0.714	2150	
U	238.050	238.077	57685	0.700	2314	

Elan 6000 Instrument Optomization Report

File Name c:\elandata\Optimize\default.dac
Path c:\elandata\Optimize

Sample Information

Sample Date/Time: Tuesday, May 23, 2006 16:07:03
Sample ID: TUNE BJONES

Parameter Settings

Nebulizer Gas Flow	0.9
Lens Voltage	5.5
ICP RF Power	1100.0
Analog Stage Voltage	-2000.0
Pulse Stage Voltage	1400.0
Discriminator Threshold	70.0
AC Rod Offset	-7.0
Service DAC 1	60.0
Quadrupole Rod Offset	0.0
Exit Lens	0.0
Makeup Gas Flow [MGAS]	0.9
DRC Mode MGAS	0.9

AutoLens Calibration

Date:	16:09:20 Tue 23-May-06
Sample Filename:	AUTOLENS BJONES.002
Dataset Pathname:	060523A1\
Lens Voltage Start:	3.50 V
Lens Voltage End:	7.50 V
Lens Voltage Step:	0.25 V
Slope:	0.0190
Intercept:	3.7612

Analyte	Mass	Optimum Voltage	Maximum Intensity	# Points
Be	9.012	4.0 V	2218 cps	17
Co	58.933	4.8 V	97186 cps	17
In	114.904	6.0 V	280699 cps	17

Dual Detector Calibration

Date:	12:49:57 Mon 15-May-06
Sample Filename:	DUAL BJONES.748
Dataset Pathname:	c:\elandata\Dataset\dual detector calibration\
Points Acquired:	37
Lens Voltage Start:	-3.00 V
Lens Voltage End:	15.00 V
Lens Voltage Step:	0.50 V

Analyte	Mass	Gain	N(max)
Li	6.013	8787	1.42e+009 cps
Li	7.015	8230	1.52e+009 cps

Be	9.011	7758	1.61e+009 cps
B	11.009	8132	1.54e+009 cps
Na	22.991	8093	1.55e+009 cps
Mg	23.986	7524	1.66e+009 cps
Mg	24.985	7359	1.70e+009 cps
Al	26.983	6978	1.79e+009 cps
P	30.992	6556	1.91e+009 cps
K	38.965	6363	1.97e+009 cps
Ca	42.958	3399	3.68e+009 cps
Ca	43.957	6406	1.95e+009 cps
Sc	44.956	6293	1.99e+009 cps
V	50.943	6219	2.01e+009 cps
Cr	51.942	5854	2.14e+009 cps
Fe	53.941	5735	2.18e+009 cps
Mn	54.940	5730	2.18e+009 cps
Fe	56.934	5639	2.22e+009 cps
Co	58.934	5383	2.33e+009 cps
Ni	59.934	5251	2.38e+009 cps
Cu	62.930	5087	2.46e+009 cps
Cu	64.926	5086	2.46e+009 cps
Zn	67.926	5088	2.46e+009 cps
Ge	71.922	5211	2.40e+009 cps
As	74.922	5268	2.38e+009 cps
Se	77.918	5331	2.35e+009 cps
Br	78.918	5328	2.35e+009 cps
Se	81.918	5208	2.40e+009 cps
Sr	87.906	5219	2.40e+009 cps
Mo	96.906	5331	2.35e+009 cps
Ag	106.906	4686	2.67e+009 cps
Ag	108.906	4661	2.69e+009 cps
Cd	110.906	4739	2.64e+009 cps
Cd	113.906	4688	2.67e+009 cps
In	114.903	4713	2.66e+009 cps
Sn	117.903	4787	2.62e+009 cps
Sb	120.902	4779	2.62e+009 cps
Ba	134.904	4701	2.66e+009 cps
Tm	168.934	4464	2.80e+009 cps
Tl	204.975	4140	3.02e+009 cps
Pb	207.979	4208	2.97e+009 cps
Bi	208.982	4166	3.00e+009 cps
U	238.051	4181	2.99e+009 cps

Daily Performance Report - Elan 6000

Sample ID: DAILY BJONES
Sample Date/Time: Tuesday, May 23, 2006 16:11:29
Sample Description:
Sample File: C:\elandata\Sample\6142157X.sam
Method File: C:\elandata\Method\000-DAILY_EPA.mth
Dataset File: C:\elandata\Dataset\060523A1\DAILY BJONES.003
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 5
Dual Detector Mode: Dual

Summary

	Analyte	Mass	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24	34210.757	441.822	1.291
	Rh	103	210490.693	1739.165	0.826
	Pb	208	109281.660	1123.014	1.028
⌈>	Ba	138	224815.709	3467.936	1.543
⌊	Ba++	69	0.019	0.001	3.344
⌈>	Ce	140	269748.018	2796.293	1.037
⌊	CeO	156	0.019	0.001	4.813
	Bkgd	220	8.571	3.350	39.087
	Li	7	8606.105	94.196	1.095
	Be	9	2390.514	45.605	1.908
	Co	59	98679.746	1318.228	1.336
	In	115	290481.374	1543.414	0.531
	Tl	205	151918.255	1720.571	1.133

Sample ID: H416N n.i.
Sample Description: G6E090261-4 N.I.
Batch ID: 6139499
Sample Date/Time: Tuesday, May 23, 2006 16:43:16
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: C:\elandata\Dataset\060523A1\H416N n.i..004
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 27
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6	Li			886.222	ug/L	0.000
45	Sc			12451.915	ug/L	0.000
69	Ga			7271.162	ug/L	0.000
72	Ge			1979.682	ug/L	0.000
89	Y			8389.958	ug/L	0.000
103	Rh			138.096	ug/L	0.000
115	In			744.538	ug/L	0.000
133	Cs			8517.187	ug/L	0.000
165	Ho			340.957	ug/L	0.000
169	Tm			353.338	ug/L	0.000
209	Bi			8137.886	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	100.094
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	96.185
Ho	165	
Tm	169	
Bi	209	

Sample ID: H5HKG n.i.
Sample Description: G6E160355-1 N.I.
Batch ID: 6143344
Sample Date/Time: Tuesday, May 23, 2006 16:46:02
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: C:\elandata\Dataset\060523A1\H5HKG n.i..005
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 28
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6	Li			893.365	ug/L	0.000
45	Sc			10719.357	ug/L	0.000
69	Ga			3012.268	ug/L	0.000
72	Ge			1361.027	ug/L	0.000
89	Y			2692.195	ug/L	0.000
103	Rh			120.477	ug/L	0.000
115	In			436.173	ug/L	0.000
133	Cs			601.443	ug/L	0.000
165	Ho			108.096	ug/L	0.000
169	Tm			526.678	ug/L	0.000
209	Bi			2629.801	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	100.094
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	96.185
Ho	165	
Tm	169	
Bi	209	

Sample ID: H49GR n.i.
Sample Description: G6E120166-1 N.I.
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 16:48:49
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: C:\elandata\Dataset\060523A1\H49GR n.i..006
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 29
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6	Li			863.839	ug/L	0.000
45	Sc			12158.769	ug/L	0.000
69	Ga			2838.418	ug/L	0.000
72	Ge			1091.477	ug/L	0.000
89	Y			3626.241	ug/L	0.000
103	Rh			43.333	ug/L	0.000
115	In			420.148	ug/L	0.000
133	Cs			2535.019	ug/L	0.000
165	Ho			173.811	ug/L	0.000
169	Tm			306.670	ug/L	0.000
209	Bi			1338.643	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	100.094
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	96.185
Ho	165	
Tm	169	
Bi	209	

Sample ID: H5NJL n.i.
Sample Description: G6E180219-1 N.I.
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 16:51:37
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJL n.i..007
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 30
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6	Li			969.085	ug/L	0.000
45	Sc			17608.109	ug/L	0.000
69	Ga			9721.400	ug/L	0.000
72	Ge			1629.630	ug/L	0.000
89	Y			13226.996	ug/L	0.000
103	Rh			140.001	ug/L	0.000
115	In			419.343	ug/L	0.000
133	Cs			11327.992	ug/L	0.000
165	Ho			615.253	ug/L	0.000
169	Tm			394.768	ug/L	0.000
209	Bi			2316.882	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	100.094
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	96.185
Ho	165	
Tm	169	
Bi	209	

Sample ID: Rinse 3X
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 16:59:22
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\Rinse 3X.008
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1887201.331	ug/L	1876816.764
>	6	Li-1			755002.135	ug/L	751538.953
	9	Be	-0.006519	148.659	4.000	ug/L	5.333
	27	Al	0.170420	85.175	27519.878	ug/L	27122.974
	44	Ca	5.390176	58.552	37963.512	ug/L	37087.433
	51	V	0.240211	304.989	-31136.555	ug/L	-33047.431
	52	Cr	0.003600	1626.140	30510.121	ug/L	30688.742
	55	Mn	0.021124	22.188	2991.511	ug/L	2797.447
	54	Fe	-2.830829	102.772	75302.975	ug/L	77123.824
	57	Fe	2.151277	78.703	13302.213	ug/L	12941.823
	59	Co	0.000730	325.148	122.001	ug/L	117.001
	60	Ni	0.006151	211.465	170.221	ug/L	160.921
	65	Cu	0.006900	82.612	182.651	ug/L	171.815
	68	Zn	-0.383934	112.777	3403.331	ug/L	3684.777
	75	As	-0.415908	105.283	17768.658	ug/L	18600.530
	82	Se	0.053131	177.545	588.881	ug/L	584.136
	97	Mo	-0.000307	964.696	32.333	ug/L	33.000
>	72	Ge-1			1643175.431	ug/L	1654184.823
	107	Ag	0.001311	75.725	69.667	ug/L	59.667
	111	Cd	0.001530	722.896	24.068	ug/L	21.304
	121	Sb	-0.001269	54.898	134.334	ug/L	143.335
	135	Ba	0.009272	35.630	265.004	ug/L	251.670
>	115	In-1			1926492.584	ug/L	1939733.014
	205	Tl	0.001289	43.421	159.668	ug/L	145.001
	208	Pb	0.007571	116.712	1788.405	ug/L	1674.064
>	169	Tm-1			1099573.449	ug/L	1104046.582
	50	Cr	-0.057174	146.640	-1053.232	ug/L	-1052.808
	53	Cr	3.561221	103.004	153842.846	ug/L	153019.932
	61	Ni	2.908482	97.096	2082.361	ug/L	2012.982
	63	Cu	0.003455	14.081	98.335	ug/L	94.335
	67	Zn	1.182621	83.422	1656.439	ug/L	1604.412
	66	Zn	-0.438440	110.012	1589.406	ug/L	1743.822
	76	Se	104.687429	167.298	-214733.730	ug/L	-214915.344
	77	Se	3.820624	72.982	21489.462	ug/L	21237.361
	78	Se	0.802301	79.094	20741.016	ug/L	20561.423

	79 Br	158.778147	48.273	45002.233	ug/L	43941.104
>	72 Ge			1643175.431	ug/L	1654184.823
	108 Cd	0.027695	182.183	7.224	ug/L	3.817
	114 Cd	-0.000183	1607.491	61.701	ug/L	62.899
	109 Ag	-0.001646	176.360	21.667	ug/L	26.333
>	115 In			1926492.584	ug/L	1939733.014
	208 207.977	0.005304	159.240	947.385	ug/L	907.047
	207 Pb	0.003950	216.872	368.341	ug/L	356.674
	206 Pb	0.014663	86.983	472.680	ug/L	410.343
>	169 Tm			1099573.449	ug/L	1104046.582
	106 Pd	-0.000[illegible]8	135660.497	12.333	ug/L	12.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	100.461
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	99.334
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.317
	Tl	205	
	Pb	208	
>	Tm-1	169	99.595
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.334
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.317
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.595
	Pd	106	

Sample ID: Blank
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 17:03:59
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\Blank.009
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1876816.764	ug/L	
>	6	Li-1			751538.953	ug/L	
	9	Be			5.333	ug/L	
	27	Al			27122.974	ug/L	
	44	Ca			37087.433	ug/L	
	51	V			-33047.431	ug/L	
	52	Cr			30688.742	ug/L	
	55	Mn			2797.447	ug/L	
	54	Fe			77123.824	ug/L	
	57	Fe			12941.823	ug/L	
	59	Co			117.001	ug/L	
	60	Ni			160.921	ug/L	
	65	Cu			171.815	ug/L	
	68	Zn			3684.777	ug/L	
	75	As			18600.530	ug/L	
	82	Se			584.136	ug/L	
	97	Mo			33.000	ug/L	
>	72	Ge-1			1654184.823	ug/L	
	107	Ag			59.667	ug/L	
	111	Cd			21.304	ug/L	
	121	Sb			143.335	ug/L	
	135	Ba			251.670	ug/L	
>	115	In-1			1939733.014	ug/L	
	205	Tl			145.001	ug/L	
	208	Pb			1674.064	ug/L	
>	169	Tm-1			1104046.582	ug/L	
	50	Cr			-1052.808	ug/L	
	53	Cr			153019.932	ug/L	
	61	Ni			2012.982	ug/L	
	63	Cu			94.335	ug/L	
	67	Zn			1604.412	ug/L	
	66	Zn			1743.822	ug/L	
	76	Se			-214915.344	ug/L	
	77	Se			21237.361	ug/L	
	78	Se			20561.423	ug/L	

|	79 Br	43941.104	ug/L
|>	72 Ge	1654184.823	ug/L
⌈	108 Cd	3.817	ug/L
|	114 Cd	62.899	ug/L
|	109 Ag	26.333	ug/L
|>	115 In	1939733.014	ug/L
⌈	208 207.977	907.047	ug/L
|	207 Pb	356.674	ug/L
|	206 Pb	410.343	ug/L
|>	169 Tm	1104046.582	ug/L
	106 Pd	12.333	ug/L

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	
|	Be	9	
⌈	Al	27	
|	Ca	44	
|	V	51	
|	Cr	52	
|	Mn	55	
|	Fe	54	
|	Fe	57	
|	Co	59	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
|	Se	82	
|	Mo	97	
|>	Ge-1	72	
⌈	Ag	107	
|	Cd	111	
|	Sb	121	
|	Ba	135	
|>	In-1	115	
⌈	Tl	205	
|	Pb	208	
|>	Tm-1	169	
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	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	
	Pd	106	

Sample ID: Standard 1
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 17:08:30
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\Standard 1.010
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1827259.769	ug/L	1876816.764
>	6	Li-1			737253.523	ug/L	751538.953
	9	Be	100.000000	3.932	20365.017	ug/L	5.333
	27	Al	5100.000000	1.886	17509692.038	ug/L	27122.974
	44	Ca	5100.000000	1.801	1110330.348	ug/L	37087.433
	51	V	100.000000	2.928	692811.220	ug/L	-33047.431
	52	Cr	100.000000	1.307	663686.412	ug/L	30688.742
	55	Mn	100.000000	1.178	1016569.491	ug/L	2797.447
	54	Fe	5100.000000	1.797	2446251.939	ug/L	77123.824
	57	Fe	5100.000000	2.031	1071013.076	ug/L	12941.823
	59	Co	100.000000	2.075	814668.030	ug/L	117.001
	60	Ni	100.000000	2.385	171709.294	ug/L	160.921
	65	Cu	100.000000	2.724	175691.563	ug/L	171.815
	68	Zn	100.000000	1.475	70327.209	ug/L	3684.777
	75	As	100.000000	2.299	189735.038	ug/L	18600.530
	82	Se	100.000000	1.172	16944.463	ug/L	584.136
	97	Mo	200.000000	1.434	302661.521	ug/L	33.000
>	72	Ge-1			1651946.268	ug/L	1654184.823
	107	Ag	50.000000	1.521	383114.591	ug/L	59.667
	111	Cd	100.000000	1.482	177469.391	ug/L	21.304
	121	Sb	50.000000	0.245	306971.879	ug/L	143.335
	135	Ba	100.000000	0.694	157756.508	ug/L	251.670
>	115	In-1			1867503.630	ug/L	1939733.014
	205	Tl	50.000000	1.396	589159.859	ug/L	145.001
	208	Pb	100.000000	1.949	1608306.386	ug/L	1674.064
>	169	Tm-1			1096069.214	ug/L	1104046.582
	50	Cr	100.000000	12.608	11886.856	ug/L	-1052.808
	53	Cr	100.000000	13.479	204417.929	ug/L	153019.932
	61	Ni	100.000000	1.253	4894.497	ug/L	2012.982
	63	Cu	100.000000	0.848	134934.884	ug/L	94.335
	67	Zn	100.000000	2.411	6967.093	ug/L	1604.412
	66	Zn	100.000000	3.117	34191.750	ug/L	1743.822
	76	Se	100.000000	131.065	-215839.706	ug/L	-214915.344
	77	Se	100.000000	4.826	31535.747	ug/L	21237.361
	78	Se	100.000000	1.992	60430.428	ug/L	20561.423

	79 Br	100.000000	91.809	44738.955	ug/L	43941.104
	72 Ge			1651946.268	ug/L	1654184.823
	108 Cd	100.000000	0.886	12135.912	ug/L	3.817
	114 Cd	100.000000	0.464	421139.197	ug/L	62.899
	109 Ag	50.000000	0.680	130948.808	ug/L	26.333
	115 In			1867503.630	ug/L	1939733.014
	208 207.977	100.000000	2.378	833101.274	ug/L	907.047
	207 Pb	100.000000	1.736	336841.171	ug/L	356.674
	206 Pb	100.000000	1.390	438363.940	ug/L	410.343
	169 Tm			1096069.214	ug/L	1104046.582
	106 Pd	100.000000	0.880	15770.199	ug/L	12.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	
Tl	205	
Pb	208	
Tm-1	169	
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
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	
Pd	106	

Sample ID: ICV
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 17:12:45
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\ICV .011
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 3
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1847395.570	ug/L	1876816.764
>	6	Li-1			771692.282	ug/L	751538.953
	9	Be	80.466257	3.945	17146.787	ug/L	5.333
	27	Al	827.078624	1.294	2846502.932	ug/L	27122.974
	44	Ca	864.119517	1.325	217677.361	ug/L	37087.433
	51	V	83.002146	2.667	566254.348	ug/L	-33047.431
	52	Cr	82.003445	1.565	546682.949	ug/L	30688.742
	55	Mn	83.795077	2.365	847500.443	ug/L	2797.447
	54	Fe X	899.113234	1.382	491914.058	ug/L	77123.824
	57	Fe	855.913175	1.428	189436.204	ug/L	12941.823
	59	Co	82.397075	2.214	667533.956	ug/L	117.001
	60	Ni	83.033691	0.245	141810.685	ug/L	160.921
	65	Cu	82.818490	1.145	144740.502	ug/L	171.815
	68	Zn	82.769522	1.066	58515.687	ug/L	3684.777
	75	As	78.584108	0.895	152245.474	ug/L	18600.530
	82	Se	83.045054	2.408	14090.020	ug/L	584.136
	97	Mo	81.977348	2.327	123378.928	ug/L	33.000
>	72	Ge-1			1642802.339	ug/L	1654184.823
	107	Ag	40.948103	1.433	320015.639	ug/L	59.667
	111	Cd	80.039371	2.660	144877.849	ug/L	21.304
	121	Sb	37.028565	3.683	231843.552	ug/L	143.335
	135	Ba	77.897509	2.288	125384.996	ug/L	251.670
>	115	In-1			1904985.417	ug/L	1939733.014
	205	Tl	41.779411	0.824	486923.497	ug/L	145.001
	208	Pb	82.819901	1.255	1317613.100	ug/L	1674.064
>	169	Tm-1			1084030.413	ug/L	1104046.582
	50	Cr	76.972340	3.434	8867.550	ug/L	-1052.808
	53	Cr	64.760970	8.318	185193.504	ug/L	153019.932
	61	Ni	75.527897	9.020	4165.779	ug/L	2012.982
	63	Cu	82.523306	1.047	110744.313	ug/L	94.335
	67	Zn	82.991878	1.733	6020.795	ug/L	1604.412
	66	Zn	83.329594	0.511	28628.551	ug/L	1743.822
	76	Se	-217.580362	138.179	-210853.821	ug/L	-214915.344
	77	Se	69.250181	3.148	28201.113	ug/L	21237.361
	78	Se	82.060142	3.968	52972.937	ug/L	20561.423

	79 Br	268.369320	10.194	45919.538	ug/L	43941.104
L>	72 Ge			1642802.339	ug/L	1654184.823
Γ	108 Cd	79.118096	3.183	9792.296	ug/L	3.817
	114 Cd	78.746934	2.363	338219.352	ug/L	62.899
	109 Ag	40.956593	1.662	109411.846	ug/L	26.333
L>	115 In			1904985.417	ug/L	1939733.014
Γ	208 207.977	81.876637	1.735	674758.186	ug/L	907.047
	207 Pb	83.061799	1.069	276759.802	ug/L	356.674
	206 Pb	84.426436	1.458	366095.112	ug/L	410.343
L>	169 Tm			1084030.413	ug/L	1104046.582
	106 Pd	81.583320	1.635	12868.124	ug/L	12.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
Γ>	Li-1	6	102.682
L	Be	9	
Γ	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
L>	Ge-1	72	99.312
Γ	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
L>	In-1	115	98.209
Γ	Tl	205	
	Pb	208	
L>	Tm-1	169	98.187
Γ	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
L>	Ge	72	99.312
Γ	Cd	108	
	Cd	114	
	Ag	109	
L>	In	115	98.209
Γ	207.977	208	
	Pb	207	
	Pb	206	
L>	Tm	169	98.187
	Pd	106	

Sample ID: ICB
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 17:17:05
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\ICB.012
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1894754.219	ug/L	1876816.764
>	6	Li-1			756630.967	ug/L	751538.953
	9	Be	-0.012614	115.050	2.667	ug/L	5.333
	27	Al	-0.168521	39.097	26976.533	ug/L	27122.974
	44	Ca	3.190711	87.063	38367.268	ug/L	37087.433
	51	V	1.800050	14.987	-20310.406	ug/L	-33047.431
	52	Cr	0.272025	31.730	32941.252	ug/L	30688.742
	55	Mn	0.007180	176.472	2917.154	ug/L	2797.447
	54	Fe	-3.795976	103.201	76576.082	ug/L	77123.824
	57	Fe	0.500331	334.254	13257.188	ug/L	12941.823
	59	Co	0.002626	16.998	140.668	ug/L	117.001
	60	Ni	-0.009987	79.464	145.931	ug/L	160.921
	65	Cu	-0.008527	10.590	159.377	ug/L	171.815
	68	Zn	-0.499824	28.023	3405.330	ug/L	3684.777
	75	As	-0.215174	129.729	18525.138	ug/L	18600.530
	82	Se	0.180230	98.664	623.561	ug/L	584.136
	97	Mo	0.297770	27.989	493.348	ug/L	33.000
>	72	Ge-1			1681123.369	ug/L	1654184.823
	107	Ag	0.013496	25.163	168.002	ug/L	59.667
	111	Cd	0.001740	176.830	24.766	ug/L	21.304
	121	Sb	0.223929	21.909	1580.813	ug/L	143.335
	135	Ba	0.003685	346.054	259.671	ug/L	251.670
>	115	In-1			1954554.985	ug/L	1939733.014
	205	Tl	0.082275	19.030	1123.407	ug/L	145.001
	208	Pb	-0.005574	58.426	1585.389	ug/L	1674.064
>	169	Tm-1			1105374.267	ug/L	1104046.582
	50	Cr	1.020858	5.803	-935.459	ug/L	-1052.808
	53	Cr	-45.170261	4.501	131825.092	ug/L	153019.932
	61	Ni	0.632582	497.932	2063.348	ug/L	2012.982
	63	Cu	-0.005234	108.277	88.668	ug/L	94.335
	67	Zn	0.140546	331.492	1638.430	ug/L	1604.412
	66	Zn	-0.696450	7.204	1542.381	ug/L	1743.822
	76	Se	65.457554	405.978	-219233.080	ug/L	-214915.344
	77	Se	-20.025152	6.468	19477.498	ug/L	21237.361
	78	Se	-0.747335	124.658	20587.879	ug/L	20561.423

	79 Br	7.595320	1849.843	44724.266	ug/L	43941.104
>	72 Ge			1681123.369	ug/L	1654184.823
	108 Cd	0.020423	303.831	6.347	ug/L	3.817
	114 Cd	0.001216	122.672	68.663	ug/L	62.899
	109 Ag	0.014579	33.910	66.334	ug/L	26.333
>	115 In			1954554.985	ug/L	1939733.014
	208 207.977	-0.009224	11.240	830.706	ug/L	907.047
	207 Pb	-0.006992	31.332	333.340	ug/L	356.674
	206 Pb	0.002452	379.231	421.344	ug/L	410.343
>	169 Tm			1105374.267	ug/L	1104046.582
	106 Pd	-0.012692	57.735	10.333	ug/L	12.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	100.678
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	101.629
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.764
	Tl	205	
	Pb	208	
>	Tm-1	169	100.120
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.629
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.764
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	100.120
	Pd	106	

Sample ID: ICSA
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 17:21:25
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\ICSA.013
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 2
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1604289.933	ug/L	1876816.764
>	6	Li-1			648551.470	ug/L	751538.953
	9	Be	0.033861	9.757	10.667	ug/L	5.333
	27	Al	114098.591690	2.602	335457030.518	ug/L	27122.974
	44	Ca	90594.936401	1.869	16381816.214	ug/L	37087.433
	51	V	2.173919	18.474	-14751.540	ug/L	-33047.431
	52	Cr	1.397274	10.926	33864.081	ug/L	30688.742
	55	Mn	2.293253	2.234	22334.811	ug/L	2797.447
	54	Fe	94445.251230	2.503	37690598.624	ug/L	77123.824
	57	Fe	89254.851363	1.727	15891721.458	ug/L	12941.823
	59	Co	1.548780	4.624	10920.821	ug/L	117.001
	60	Ni	-0.037436	300.873	82.082	ug/L	160.921
	65	Cu	0.098942	48.736	296.087	ug/L	171.815
	68	Zn	2.152614	4.912	4386.433	ug/L	3684.777
	75	As	0.064830	235.013	16026.568	ug/L	18600.530
	82	Se	0.674712	250.140	596.099	ug/L	584.136
	97	Mo	1954.591986	1.540	2536276.354	ug/L	33.000
>	72	Ge-1			1416720.907	ug/L	1654184.823
	107	Ag	0.250145	6.982	1846.528	ug/L	59.667
	111	Cd	0.440856	21.982	750.274	ug/L	21.304
	121	Sb	2.297127	4.708	13321.804	ug/L	143.335
	135	Ba	0.920467	2.416	1584.810	ug/L	251.670
>	115	In-1			1749079.451	ug/L	1939733.014
	205	Tl	0.072762	4.920	922.715	ug/L	145.001
	208	Pb	0.952949	1.889	15641.119	ug/L	1674.064
>	169	Tm-1			1010217.944	ug/L	1104046.582
	50	Cr	124.012229	42.863	12882.794	ug/L	-1052.808
	53	Cr	-76.169622	9.004	97366.381	ug/L	153019.932
	61	Ni	31.858918	12.037	2512.010	ug/L	2012.982
	63	Cu	4.559160	5.914	5353.260	ug/L	94.335
	67	Zn	24.666777	6.891	2509.341	ug/L	1604.412
	66	Zn	6.790881	3.125	3383.832	ug/L	1743.822
	76	Se	167.320931	330.085	-185800.848	ug/L	-214915.344
	77	Se	-5.498660	150.605	17700.872	ug/L	21237.361
	78	Se	3.605486	38.831	18840.625	ug/L	20561.423

	79 Br	400119.486468	1.591	2967633.090	ug/L	43941.104
>	72 Ge			1416720.907	ug/L	1654184.823
	108 Cd	57.701824	2.541	6559.340	ug/L	3.817
	114 Cd	3.323349	1.328	13160.409	ug/L	62.899
	109 Ag	0.238686	7.014	608.393	ug/L	26.333
>	115 In			1749079.451	ug/L	1939733.014
	208 207.977	0.964231	1.949	8224.864	ug/L	907.047
	207 Pb	0.967301	2.345	3325.632	ug/L	356.674
	206 Pb	0.920483	1.695	4090.623	ug/L	410.343
>	169 Tm			1010217.944	ug/L	1104046.582
	106 Pd	0.522494	5.740	94.667	ug/L	12.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	86.296
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	85.645
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	90.171
	Tl	205	
	Pb	208	
>	Tm-1	169	91.501
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	85.645
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	90.171
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	91.501
	Pd	106	

Sample ID: ICSAB
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 17:25:43
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\ICSAB.014
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1585321.349	ug/L	1876816.764
>	6	Li-1			576882.929	ug/L	751538.953
	9	Be	99.741205	3.022	15883.073	ug/L	5.333
	27	Al	122808.482373	2.036	351147557.328	ug/L	27122.974
	44	Ca	93935.014371	1.647	16518515.534	ug/L	37087.433
	51	V	102.518168	1.567	593190.034	ug/L	-33047.431
	52	Cr	98.527407	1.512	545816.643	ug/L	30688.742
	55	Mn	97.866283	2.618	830021.120	ug/L	2797.447
	54	Fe	93581.690100	2.083	36323289.555	ug/L	77123.824
	57	Fe	87350.854804	0.639	15127882.856	ug/L	12941.823
	59	Co	93.475003	1.112	635292.006	ug/L	117.001
	60	Ni	91.364395	0.718	130852.417	ug/L	160.921
	65	Cu	91.840122	1.659	134604.520	ug/L	171.815
	68	Zn	93.430654	2.757	55010.839	ug/L	3684.777
	75	As	105.065162	3.488	165504.422	ug/L	18600.530
	82	Se	114.742640	1.159	16144.583	ug/L	584.136
	97	Mo	2103.012983	1.850	2653929.987	ug/L	33.000
>	72	Ge-1			1377837.703	ug/L	1654184.823
	107	Ag	46.554617	0.962	344008.896	ug/L	59.667
	111	Cd	97.283705	1.651	166517.198	ug/L	21.304
	121	Sb	52.808765	1.090	312639.812	ug/L	143.335
	135	Ba	101.378438	1.256	154226.000	ug/L	251.670
>	115	In-1			1800905.040	ug/L	1939733.014
	205	Tl	46.820640	0.708	517841.300	ug/L	145.001
	208	Pb	94.926296	1.121	1432946.876	ug/L	1674.064
>	169	Tm-1			1028727.351	ug/L	1104046.582
	50	Cr	191.083093	22.115	19770.661	ug/L	-1052.808
	53	Cr	70.531311	9.928	157792.298	ug/L	153019.932
	61	Ni	117.966654	2.016	4514.927	ug/L	2012.982
	63	Cu	95.899354	2.514	107943.417	ug/L	94.335
	67	Zn	121.773632	4.994	6787.041	ug/L	1604.412
	66	Zn	99.351272	2.829	28350.786	ug/L	1743.822
	76	Se	-147.851708	215.628	-177508.785	ug/L	-214915.344
	77	Se	116.161311	2.613	27693.987	ug/L	21237.361
	78	Se	111.704793	3.662	54295.958	ug/L	20561.423

	79 Br	8576.701738	15.377	97738.078	ug/L	43941.104
>	72 Ge			1377837.703	ug/L	1654184.823
	108 Cd	152.030000	2.489	17789.277	ug/L	3.817
	114 Cd	100.634260	0.583	408714.290	ug/L	62.899
	109 Ag	47.717315	0.967	120529.139	ug/L	26.333
>	115 In			1800905.040	ug/L	1939733.014
	208 207.977	94.187995	1.306	736500.201	ug/L	907.047
	207 Pb	95.397094	0.980	301598.536	ug/L	356.674
	206 Pb	95.967503	1.223	394848.139	ug/L	410.343
>	169 Tm			1028727.351	ug/L	1104046.582
	106 Pd	90.460386	2.468	14266.960	ug/L	12.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	76.760
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	83.294
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	92.843
	Tl	205	
	Pb	208	
>	Tm-1	169	93.178
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	83.294
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	92.843
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	93.178
	Pd	106	

Sample ID: Rinse
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 17:37:41
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\Rinse.015
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1947231.873	ug/L	1876816.764
>	6	Li-1			759156.495	ug/L	751538.953
	9	Be	-0.006630	144.530	4.000	ug/L	5.333
	27	Al	0.343624	13.889	28860.194	ug/L	27122.974
	44	Ca	-20.054214	11.024	33503.354	ug/L	37087.433
	51	V	1.366935	22.489	-23596.674	ug/L	-33047.431
	52	Cr	-0.480175	10.127	28192.703	ug/L	30688.742
	55	Mn	-0.019730	38.137	2649.402	ug/L	2797.447
	54	Fe	-5.857706	27.990	75861.961	ug/L	77123.824
	57	Fe	-0.479109	160.524	13093.894	ug/L	12941.823
	59	Co	-0.001561	36.231	106.334	ug/L	117.001
	60	Ni	0.012906	30.772	186.758	ug/L	160.921
	65	Cu	-0.000002	69510.483	175.174	ug/L	171.815
	68	Zn	-0.081882	181.443	3701.450	ug/L	3684.777
	75	As	-0.210742	252.712	18608.473	ug/L	18600.530
	82	Se	-0.005054	1081.824	594.702	ug/L	584.136
	97	Mo	0.915075	10.009	1449.454	ug/L	33.000
>	72	Ge-1			1686827.259	ug/L	1654184.823
	107	Ag	0.003216	35.448	86.000	ug/L	59.667
	111	Cd	-0.000402	1872.555	20.763	ug/L	21.304
	121	Sb	0.006863	24.184	188.669	ug/L	143.335
	135	Ba	0.003702	568.325	260.004	ug/L	251.670
>	115	In-1			1956103.501	ug/L	1939733.014
	205	Tl	0.079555	4.471	1073.399	ug/L	145.001
	208	Pb	-0.023531	25.328	1273.702	ug/L	1674.064
>	169	Tm-1			1088110.967	ug/L	1104046.582
	50	Cr	1.090167	24.056	-929.559	ug/L	-1052.808
	53	Cr	-41.316734	10.947	134314.586	ug/L	153019.932
	61	Ni	6.527757	18.998	2244.806	ug/L	2012.982
	63	Cu	0.000952	992.790	97.668	ug/L	94.335
	67	Zn	1.840942	49.933	1737.484	ug/L	1604.412
	66	Zn	-0.242520	121.151	1697.796	ug/L	1743.822
	76	Se	279.452413	114.580	-222612.917	ug/L	-214915.344
	77	Se	-27.249897	12.044	18779.096	ug/L	21237.361
	78	Se	-0.500601	270.163	20756.528	ug/L	20561.423

	79 Br	1158.252786	4.846	54912.072	ug/L	43941.104
>	72 Ge			1686827.259	ug/L	1654184.823
	108 Cd	-0.005962	972.593	3.064	ug/L	3.817
	114 Cd	-0.000089	2232.771	63.066	ug/L	62.899
	109 Ag	0.004775	45.047	39.667	ug/L	26.333
>	115 In			1956103.501	ug/L	1939733.014
	208 207.977	-0.029992	20.187	645.691	ug/L	907.047
	207 Pb	-0.021252	39.697	280.338	ug/L	356.674
	206 Pb	-0.013003	36.848	347.674	ug/L	410.343
>	169 Tm			1088110.967	ug/L	1104046.582
	106 Pd	-0.006346	230.940	11.333	ug/L	12.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	101.014
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	101.973
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.844
	Tl	205	
	Pb	208	
>	Tm-1	169	98.557
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.973
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.844
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.557
	Pd	106	

Sample ID: FB
Sample Description: FB-F1815158
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 17:42:03
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\FB.016
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 18
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1860904.928	ug/L	1876816.764
>	6	Li-1			741446.652	ug/L	751538.953
	9	Be	-0.002867	109.961	4.667	ug/L	5.333
	27	Al	16.541125	0.841	81124.360	ug/L	27122.974
	44	Ca	256.551028	0.441	88130.625	ug/L	37087.433
	51	V	3.113378	15.166	-10087.765	ug/L	-33047.431
	52	Cr	-0.036803	165.315	29445.472	ug/L	30688.742
	55	Mn	1.125978	1.331	13757.142	ug/L	2797.447
	54	Fe	14.780817	7.444	81209.705	ug/L	77123.824
	57	Fe	36.606475	117.530	19829.153	ug/L	12941.823
	59	Co	0.275227	1.409	2283.631	ug/L	117.001
	60	Ni	1.700918	3.115	2979.985	ug/L	160.921
	65	Cu	0.758475	2.232	1454.888	ug/L	171.815
	68	Zn	1.772992	24.242	4704.933	ug/L	3684.777
	75	As	0.473472	56.631	18765.836	ug/L	18600.530
	82	Se	-0.082976	207.009	551.541	ug/L	584.136
	97	Mo	0.596390	4.768	905.714	ug/L	33.000
>	72	Ge-1			1599276.984	ug/L	1654184.823
	107	Ag	0.005170	18.699	97.667	ug/L	59.667
	111	Cd	0.003842	162.856	27.478	ug/L	21.304
	121	Sb	0.017720	2.452	248.337	ug/L	143.335
	135	Ba	0.526392	9.225	1078.067	ug/L	251.670
>	115	In-1			1879501.826	ug/L	1939733.014
	205	Tl	0.059087	7.238	819.038	ug/L	145.001
	208	Pb	0.226066	2.029	5161.927	ug/L	1674.064
>	169	Tm-1			1068694.542	ug/L	1104046.582
	50	Cr	6.046197	18.498	-260.057	ug/L	-1052.808
	53	Cr	-155.220811	4.661	70482.400	ug/L	153019.932
	61	Ni	7.071539	9.302	2143.735	ug/L	2012.982
	63	Cu	0.794192	4.361	1127.870	ug/L	94.335
	67	Zn	-8.609718	11.454	1104.195	ug/L	1604.412
	66	Zn	2.017164	7.802	2319.527	ug/L	1743.822
	76	Se	181.732012	129.259	-209914.402	ug/L	-214915.344
	77	Se	-118.992947	3.380	8640.992	ug/L	21237.361
	78	Se	0.207429	218.766	19959.150	ug/L	20561.423

	79 Br	-853.723349	41.103	35440.777	ug/L	43941.104
>	72 Ge			1599276.984	ug/L	1654184.823
	108 Cd	0.106767	57.535	16.781	ug/L	3.817
	114 Cd	0.011299	82.133	108.681	ug/L	62.899
	109 Ag	0.001952	16.249	30.667	ug/L	26.333
>	115 In			1879501.826	ug/L	1939733.014
	208 207.977	0.226714	3.242	2717.756	ug/L	907.047
	207 Pb	0.235266	2.494	1117.071	ug/L	356.674
	206 Pb	0.217767	1.627	1327.101	ug/L	410.343
>	169 Tm			1068694.542	ug/L	1104046.582
	106 Pd	0.243266	17.370	50.667	ug/L	12.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	98.657
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	96.681
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	96.895
	Tl	205	
	Pb	208	
>	Tm-1	169	96.798
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	96.681
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	96.895
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	96.798
	Pd	106	

Sample ID: FB
Sample Description: FB-F1815158
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 17:46:27
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\FB.017
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 19
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1908886.441	ug/L	1876816.764
>	6	Li-1			741001.790	ug/L	751538.953
	9	Be	0.001980	508.011	5.667	ug/L	5.333
	27	Al	9.208575	6.375	58130.791	ug/L	27122.974
	44	Ca	211.084044	4.721	80753.657	ug/L	37087.433
	51	V	2.979978	8.972	-11316.589	ug/L	-33047.431
	52	Cr	-0.292365	53.246	28538.466	ug/L	30688.742
	55	Mn	0.840681	1.134	11225.203	ug/L	2797.447
	54	Fe	11.017278	40.655	81451.313	ug/L	77123.824
	57	Fe	10.921975	8.442	15062.335	ug/L	12941.823
	59	Co	0.089493	4.702	838.374	ug/L	117.001
	60	Ni	0.510327	1.465	1027.357	ug/L	160.921
	65	Cu	0.690086	5.822	1370.080	ug/L	171.815
	68	Zn	1.567449	8.282	4687.591	ug/L	3684.777
	75	As	0.250320	104.947	18839.152	ug/L	18600.530
	82	Se	-0.070720	244.378	566.461	ug/L	584.136
	97	Mo	0.469463	2.874	737.698	ug/L	33.000
>	72	Ge-1			1638382.141	ug/L	1654184.823
	107	Ag	0.001483	121.112	70.000	ug/L	59.667
	111	Cd	0.000343	2993.821	21.648	ug/L	21.304
	121	Sb	0.045253	43.727	423.678	ug/L	143.335
	135	Ba	0.462164	6.082	986.056	ug/L	251.670
>	115	In-1			1898606.496	ug/L	1939733.014
	205	Tl	0.033449	12.382	538.350	ug/L	145.001
	208	Pb	0.202194	2.172	4917.871	ug/L	1674.064
>	169	Tm-1			1097875.157	ug/L	1104046.582
	50	Cr	5.321173	9.054	-360.129	ug/L	-1052.808
	53	Cr	-152.897736	2.907	73411.414	ug/L	153019.932
	61	Ni	3.358082	92.532	2088.365	ug/L	2012.982
	63	Cu	0.735661	7.902	1075.852	ug/L	94.335
	67	Zn	-8.600391	19.215	1133.207	ug/L	1604.412
	66	Zn	1.573194	12.755	2234.133	ug/L	1743.822
	76	Se	317.337590	121.684	-216754.010	ug/L	-214915.344
	77	Se	-118.437504	1.646	8910.180	ug/L	21237.361
	78	Se	-0.555710	194.687	20135.788	ug/L	20561.423

	79 Br	-1533.583197	10.490	30555.433	ug/L	43941.104
>	72 Ge			1638382.141	ug/L	1654184.823
	108 Cd	0.133506	43.311	20.151	ug/L	3.817
	114 Cd	0.000997	371.928	65.963	ug/L	62.899
	109 Ag	-0.000645	382.727	24.000	ug/L	26.333
>	115 In			1898606.496	ug/L	1939733.014
	208 207.977	0.201802	3.974	2583.381	ug/L	907.047
	207 Pb	0.213198	2.309	1073.066	ug/L	356.674
	206 Pb	0.194487	2.759	1261.424	ug/L	410.343
>	169 Tm			1097875.157	ug/L	1104046.582
	106 Pd	0.230574	37.570	48.667	ug/L	12.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	98.598
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	99.045
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	97.880
	Tl	205	
	Pb	208	
>	Tm-1	169	99.441
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.045
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	97.880
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.441
	Pd	106	

Sample ID: CCV 1
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 17:50:48
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCV 1.018
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1890535.488	ug/L	1876816.764
>	6	Li-1			776205.677	ug/L	751538.953
	9	Be	98.979849	4.655	21210.685	ug/L	5.333
	27	Al	5022.070803	1.039	17321669.311	ug/L	27122.974
	44	Ca	5129.936005	1.264	1121700.244	ug/L	37087.433
	51	V	99.430245	2.086	691857.662	ug/L	-33047.431
	52	Cr	100.826042	0.730	671959.518	ug/L	30688.742
	55	Mn	100.445127	1.204	1025766.778	ug/L	2797.447
	54	Fe	5178.164979	1.093	2493508.098	ug/L	77123.824
	57	Fe	5089.633856	0.755	1073781.749	ug/L	12941.823
	59	Co	99.542196	1.429	814716.209	ug/L	117.001
	60	Ni	100.755840	2.414	173806.647	ug/L	160.921
	65	Cu	99.267629	0.439	175205.800	ug/L	171.815
	68	Zn	98.054711	0.951	69340.669	ug/L	3684.777
	75	As	99.429778	2.481	189615.213	ug/L	18600.530
	82	Se	99.427874	2.366	16926.273	ug/L	584.136
	97	Mo	197.501935	1.698	300230.950	ug/L	33.000
>	72	Ge-1			1659414.442	ug/L	1654184.823
	107	Ag	50.258431	2.998	383460.542	ug/L	59.667
	111	Cd	98.808961	1.349	174654.060	ug/L	21.304
	121	Sb	48.805147	2.521	298379.701	ug/L	143.335
	135	Ba	98.348593	1.796	154515.738	ug/L	251.670
>	115	In-1			1859907.481	ug/L	1939733.014
	205	Tl	51.331131	1.818	590742.060	ug/L	145.001
	208	Pb	100.971440	1.222	1586112.540	ug/L	1674.064
>	169	Tm-1			1070649.394	ug/L	1104046.582
	50	Cr	98.477855	7.968	11757.867	ug/L	-1052.808
	53	Cr	74.890769	12.118	192311.403	ug/L	153019.932
	61	Ni	97.880720	4.363	4854.769	ug/L	2012.982
	63	Cu	99.193307	0.347	134443.850	ug/L	94.335
	67	Zn	101.077735	1.275	7057.295	ug/L	1604.412
	66	Zn	100.330435	3.012	34455.289	ug/L	1743.822
	76	Se	279.138908	63.133	-218980.739	ug/L	-214915.344
	77	Se	67.303885	6.777	28285.978	ug/L	21237.361
	78	Se	98.769223	2.901	60211.872	ug/L	20561.423

	79 Br	451.725436	18.827	47953.821	ug/L	43941.104
>	72 Ge			1659414.442	ug/L	1654184.823
	108 Cd	99.526721	2.201	12028.346	ug/L	3.817
	114 Cd	97.377790	1.189	408408.319	ug/L	62.899
	109 Ag	50.637427	1.876	132077.772	ug/L	26.333
>	115 In			1859907.481	ug/L	1939733.014
	208 207.977	101.271338	2.019	823980.081	ug/L	907.047
	207 Pb	100.253181	0.409	329859.382	ug/L	356.674
	206 Pb	100.953403	0.489	432273.077	ug/L	410.343
>	169 Tm			1070649.394	ug/L	1104046.582
	106 Pd	97.414685	0.876	15362.809	ug/L	12.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.282
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	100.316
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	95.885
	Tl	205	
	Pb	208	
>	Tm-1	169	96.975
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	100.316
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	95.885
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	96.975
	Pd	106	

Sample ID: CCB 1
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 17:55:09
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCB 1.019
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1916899.935	ug/L	1876816.764
>	6	Li-1			778636.157	ug/L	751538.953
	9	Be	0.005296	99.656	6.667	ug/L	5.333
	27	Al	-0.216356	48.986	26918.020	ug/L	27122.974
	44	Ca	-17.975731	10.975	33974.502	ug/L	37087.433
	51	V	2.376668	7.246	-16084.934	ug/L	-33047.431
	52	Cr	-0.730409	11.568	26589.020	ug/L	30688.742
	55	Mn	-0.038692	5.062	2453.677	ug/L	2797.447
	54	Fe	-9.751003	6.459	74066.371	ug/L	77123.824
	57	Fe	-1.694494	30.600	12845.358	ug/L	12941.823
	59	Co	0.001637	10.377	133.001	ug/L	117.001
	60	Ni	-0.013489	32.599	140.566	ug/L	160.921
	65	Cu	-0.003335	232.076	169.363	ug/L	171.815
	68	Zn	-0.842428	47.324	3187.917	ug/L	3684.777
	75	As	-0.473175	6.820	18151.026	ug/L	18600.530
	82	Se	-0.079221	50.520	582.826	ug/L	584.136
	97	Mo	0.639544	25.152	1024.062	ug/L	33.000
>	72	Ge-1			1687845.359	ug/L	1654184.823
	107	Ag	0.015437	15.330	180.669	ug/L	59.667
	111	Cd	0.006977	106.584	33.748	ug/L	21.304
	121	Sb	0.002804	48.130	159.668	ug/L	143.335
	135	Ba	0.007181	300.836	261.004	ug/L	251.670
>	115	In-1			1921808.251	ug/L	1939733.014
	205	Tl	0.193496	24.543	2410.677	ug/L	145.001
	208	Pb	-0.019151	23.592	1346.707	ug/L	1674.064
>	169	Tm-1			1089931.162	ug/L	1104046.582
	50	Cr	1.974523	7.148	-813.094	ug/L	-1052.808
	53	Cr	-74.934693	3.673	116660.036	ug/L	153019.932
	61	Ni	4.686423	60.580	2191.769	ug/L	2012.982
	63	Cu	-0.000700	1040.301	95.335	ug/L	94.335
	67	Zn	-2.018776	57.754	1526.707	ug/L	1604.412
	66	Zn	-0.863394	36.620	1493.692	ug/L	1743.822
	76	Se	552.061257	83.884	-226110.056	ug/L	-214915.344
	77	Se	-45.880771	4.187	16828.655	ug/L	21237.361
	78	Se	-1.614352	55.473	20320.408	ug/L	20561.423

	79 Br	209.711277	66.035	46663.982	ug/L	43941.104
>	72 Ge			1687845.359	ug/L	1654184.823
	108 Cd	-0.022802	179.685	0.977	ug/L	3.817
	114 Cd	0.003031	120.063	75.310	ug/L	62.899
	109 Ag	0.011847	22.421	58.001	ug/L	26.333
>	115 In			1921808.251	ug/L	1939733.014
	208 207.977	-0.023224	25.783	703.028	ug/L	907.047
	207 Pb	-0.020922	60.512	282.338	ug/L	356.674
	206 Pb	-0.010049	30.558	361.341	ug/L	410.343
>	169 Tm			1089931.162	ug/L	1104046.582
	106 Pd	-0.014807	171.429	10.000	ug/L	12.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.606
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.035
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.076
	Tl	205	
	Pb	208	
>	Tm-1	169	98.721
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.035
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.076
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.721
	Pd	106	

Sample ID: CCV 2
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 17:59:30
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCV 2.020
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1822507.155	ug/L	1876816.764
>	6	Li-1			758558.012	ug/L	751538.953
	9	Be	99.832587	1.526	20919.313	ug/L	5.333
	27	Al	4986.907460	1.026	16764856.026	ug/L	27122.974
	44	Ca	5134.448251	2.367	1094056.745	ug/L	37087.433
	51	V	103.884253	1.408	705934.477	ug/L	-33047.431
	52	Cr	102.088978	2.754	662620.131	ug/L	30688.742
	55	Mn	101.924684	1.194	1014552.545	ug/L	2797.447
	54	Fe	5177.404390	1.261	2430046.445	ug/L	77123.824
	57	Fe	5224.891581	2.736	1073763.024	ug/L	12941.823
	59	Co	100.827307	0.961	804263.674	ug/L	117.001
	60	Ni	100.327133	0.700	168648.981	ug/L	160.921
	65	Cu	99.778989	0.656	171638.892	ug/L	171.815
	68	Zn	99.000701	0.874	68199.764	ug/L	3684.777
	75	As	99.812053	1.022	185461.448	ug/L	18600.530
	82	Se	98.591623	0.499	16365.209	ug/L	584.136
	97	Mo	198.501311	1.786	294073.514	ug/L	33.000
>	72	Ge-1			1617362.487	ug/L	1654184.823
	107	Ag	50.364717	3.233	376934.112	ug/L	59.667
	111	Cd	98.151297	1.270	170201.556	ug/L	21.304
	121	Sb	48.729116	1.431	292234.327	ug/L	143.335
	135	Ba	99.001839	2.968	152540.607	ug/L	251.670
>	115	In-1			1824452.329	ug/L	1939733.014
	205	Tl	51.207122	2.405	584036.457	ug/L	145.001
	208	Pb	100.852420	2.071	1569998.422	ug/L	1674.064
>	169	Tm-1			1061102.869	ug/L	1104046.582
	50	Cr	96.759371	4.948	11241.445	ug/L	-1052.808
	53	Cr	68.443673	7.106	184168.891	ug/L	153019.932
	61	Ni	96.845023	2.635	4702.536	ug/L	2012.982
	63	Cu	100.738373	1.879	133069.376	ug/L	94.335
	67	Zn	98.930040	4.323	6763.313	ug/L	1604.412
	66	Zn	99.870313	1.112	33438.281	ug/L	1743.822
	76	Se	179.869677	88.940	-212268.425	ug/L	-214915.344
	77	Se	69.381878	9.740	27776.172	ug/L	21237.361
	78	Se	97.981761	2.613	58375.145	ug/L	20561.423

	79 Br	366.964999	24.784	46029.950	ug/L	43941.104
>	72 Ge			1617362.487	ug/L	1654184.823
	108 Cd	98.485466	1.993	11674.452	ug/L	3.817
	114 Cd	98.481382	0.517	405198.457	ug/L	62.899
	109 Ag	49.065258	2.850	125516.339	ug/L	26.333
>	115 In			1824452.329	ug/L	1939733.014
	208 207.977	100.931925	2.780	813866.478	ug/L	907.047
	207 Pb	100.216296	1.474	326755.634	ug/L	356.674
	206 Pb	101.190070	1.673	429376.311	ug/L	410.343
>	169 Tm			1061102.869	ug/L	1104046.582
	106 Pd	95.020195	0.711	14985.488	ug/L	12.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	100.934
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	97.774
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	94.057
	Tl	205	
	Pb	208	
>	Tm-1	169	96.110
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	97.774
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	94.057
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	96.110
	Pd	106	

Sample ID: CCB 2
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 18:03:51
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCB 2.021
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1885782.874	ug/L	1876816.764
>	6	Li-1			760843.936	ug/L	751538.953
	9	Be	0.001290	572.547	5.667	ug/L	5.333
	27	Al	-0.032749	107.985	26947.105	ug/L	27122.974
	44	Ca	-13.959025	17.296	34061.171	ug/L	37087.433
	51	V	1.794655	4.125	-19957.783	ug/L	-33047.431
	52	Cr	-0.543833	16.424	27171.793	ug/L	30688.742
	55	Mn	-0.026918	31.218	2518.363	ug/L	2797.447
	54	Fe	-5.839763	25.425	74224.706	ug/L	77123.824
	57	Fe	1.420780	88.622	13203.666	ug/L	12941.823
	59	Co	0.003888	12.737	148.335	ug/L	117.001
	60	Ni	0.002022	229.605	164.065	ug/L	160.921
	65	Cu	0.000011	64074.908	171.338	ug/L	171.815
	68	Zn	-0.911642	16.588	3069.539	ug/L	3684.777
	75	As	0.046175	538.587	18635.538	ug/L	18600.530
	82	Se	0.042906	372.639	589.763	ug/L	584.136
	97	Mo	0.619582	23.261	969.055	ug/L	33.000
>	72	Ge-1			1650238.895	ug/L	1654184.823
	107	Ag	0.017646	26.637	194.336	ug/L	59.667
	111	Cd	0.012056	38.996	42.290	ug/L	21.304
	121	Sb	0.006091	27.974	177.002	ug/L	143.335
	135	Ba	0.019071	41.131	275.004	ug/L	251.670
>	115	In-1			1886230.100	ug/L	1939733.014
	205	Tl	0.226635	16.718	2742.771	ug/L	145.001
	208	Pb	-0.018643	23.150	1327.372	ug/L	1674.064
>	169	Tm-1			1067939.824	ug/L	1104046.582
	50	Cr	1.903144	10.881	-803.893	ug/L	-1052.808
	53	Cr	-69.755958	7.600	116711.711	ug/L	153019.932
	61	Ni	1.373447	179.601	2048.339	ug/L	2012.982
	63	Cu	0.000678	447.148	95.001	ug/L	94.335
	67	Zn	-0.799152	151.444	1557.388	ug/L	1604.412
	66	Zn	-1.058372	31.822	1397.314	ug/L	1743.822
	76	Se	493.533823	56.796	-220361.530	ug/L	-214915.344
	77	Se	-47.034199	9.969	16332.332	ug/L	21237.361
	78	Se	-0.257083	203.334	20408.235	ug/L	20561.423

	79 Br	239.386888	71.486	45870.042	ug/L	43941.104
>	72 Ge			1650238.895	ug/L	1654184.823
	108 Cd	0.026396	193.448	6.890	ug/L	3.817
	114 Cd	0.009422	27.577	101.114	ug/L	62.899
	109 Ag	0.016710	25.503	69.667	ug/L	26.333
>	115 In			1886230.100	ug/L	1939733.014
	208 207.977	-0.023059	9.706	690.361	ug/L	907.047
	207 Pb	-0.022257	40.621	272.004	ug/L	356.674
	206 Pb	-0.007477	77.372	365.008	ug/L	410.343
>	169 Tm			1067939.824	ug/L	1104046.582
	106 Pd	-0.019038	101.835	9.333	ug/L	12.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	101.238
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	99.761
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	97.242
	Tl	205	
	Pb	208	
>	Tm-1	169	96.730
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.761
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	97.242
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	96.730
	Pd	106	

Sample ID: CCV 3
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 18:46:53
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCV 3.031
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1889582.872	ug/L	1876816.764
>	6	Li-1			804120.407	ug/L	751538.953
	9	Be	94.326672	4.007	20942.034	ug/L	5.333
	27	Al	4606.625961	1.250	16323214.218	ug/L	27122.974
	44	Ca	4940.359254	1.181	1111015.527	ug/L	37087.433
	51	V	98.419132	1.593	703070.817	ug/L	-33047.431
	52	Cr	98.647301	1.725	675941.112	ug/L	30688.742
	55	Mn	98.673414	0.804	1035063.135	ug/L	2797.447
	54	Fe	4964.406519	0.277	2458863.508	ug/L	77123.824
	57	Fe	5005.787033	1.040	1084915.761	ug/L	12941.823
	59	Co	95.661573	0.633	804223.755	ug/L	117.001
	60	Ni	97.550607	1.122	172829.891	ug/L	160.921
	65	Cu	95.620104	0.680	173354.480	ug/L	171.815
	68	Zn	95.269721	0.736	69310.098	ug/L	3684.777
	75	As	96.892162	1.352	190312.189	ug/L	18600.530
	82	Se	95.023533	1.624	16642.721	ug/L	584.136
	97	Mo	193.583720	0.533	302279.911	ug/L	33.000
>	72	Ge-1			1704470.109	ug/L	1654184.823
	107	Ag	48.423914	1.361	372322.283	ug/L	59.667
	111	Cd	97.355316	1.422	173395.788	ug/L	21.304
	121	Sb	48.332821	1.095	297773.584	ug/L	143.335
	135	Ba	96.823962	0.642	153291.835	ug/L	251.670
>	115	In-1			1873940.477	ug/L	1939733.014
	205	Tl	50.482847	1.879	588997.232	ug/L	145.001
	208	Pb	99.119705	0.951	1578406.316	ug/L	1674.064
>	169	Tm-1			1085221.718	ug/L	1104046.582
	50	Cr	100.543798	3.938	12351.985	ug/L	-1052.808
	53	Cr	68.971596	15.522	194388.323	ug/L	153019.932
	61	Ni	90.705472	3.061	4773.978	ug/L	2012.982
	63	Cu	93.876345	0.300	130699.621	ug/L	94.335
	67	Zn	97.081392	2.285	7027.227	ug/L	1604.412
	66	Zn	96.593755	1.811	34144.216	ug/L	1743.822
	76	Se	444.262260	52.763	-226975.581	ug/L	-214915.344
	77	Se	69.338882	11.939	29273.268	ug/L	21237.361
	78	Se	93.664084	3.077	59753.447	ug/L	20561.423

	79 Br	62.975990	80.635	45833.556	ug/L	43941.104
>	72 Ge			1704470.109	ug/L	1654184.823
	108 Cd	98.290108	2.600	11970.910	ug/L	3.817
	114 Cd	95.901701	1.345	405272.768	ug/L	62.899
	109 Ag	49.723339	1.642	130688.103	ug/L	26.333
>	115 In			1873940.477	ug/L	1939733.014
	208 207.977	98.591282	1.521	813256.232	ug/L	907.047
	207 Pb	99.065075	0.846	330390.509	ug/L	356.674
	206 Pb	100.165780	0.929	434759.575	ug/L	410.343
>	169 Tm			1085221.718	ug/L	1104046.582
	106 Pd	95.314761	2.362	15031.906	ug/L	12.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	106.997
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	103.040
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	96.608
	Tl	205	
	Pb	208	
>	Tm-1	169	98.295
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	103.040
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	96.608
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.295
	Pd	106	

Sample ID: CCB 3
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 18:51:14
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCB 3.032
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1922024.174	ug/L	1876816.764
>	6	Li-1			803965.135	ug/L	751538.953
	9	Be	0.022274	83.240	10.667	ug/L	5.333
	27	Al	-0.198116	116.245	26982.224	ug/L	27122.974
	44	Ca	-8.888238	25.714	35932.629	ug/L	37087.433
	51	V	1.612223	39.182	-21740.024	ug/L	-33047.431
	52	Cr	-0.005506	1280.783	31281.492	ug/L	30688.742
	55	Mn	-0.031807	23.250	2524.698	ug/L	2797.447
	54	Fe	0.365404	299.996	78881.017	ug/L	77123.824
	57	Fe	-0.500599	215.203	13102.049	ug/L	12941.823
	59	Co	0.005074	37.916	161.668	ug/L	117.001
	60	Ni	-0.012870	50.060	141.649	ug/L	160.921
	65	Cu	0.003959	352.464	182.452	ug/L	171.815
	68	Zn	-1.207417	12.118	2937.493	ug/L	3684.777
	75	As	-0.621902	28.865	17891.829	ug/L	18600.530
	82	Se	0.156031	56.175	622.124	ug/L	584.136
	97	Mo	0.581469	24.832	933.719	ug/L	33.000
>	72	Ge-1			1688123.597	ug/L	1654184.823
	107	Ag	0.024883	7.004	252.337	ug/L	59.667
	111	Cd	0.013712	23.103	45.541	ug/L	21.304
	121	Sb	0.069740	5.229	575.352	ug/L	143.335
	135	Ba	0.031221	21.683	296.338	ug/L	251.670
>	115	In-1			1898604.670	ug/L	1939733.014
	205	Tl	0.192501	22.180	2406.005	ug/L	145.001
	208	Pb	-0.018917	33.790	1357.375	ug/L	1674.064
>	169	Tm-1			1096203.961	ug/L	1104046.582
	50	Cr	1.623060	10.603	-859.802	ug/L	-1052.808
	53	Cr	-62.691958	9.575	123123.596	ug/L	153019.932
	61	Ni	2.619553	80.009	2131.060	ug/L	2012.982
	63	Cu	0.002833	536.893	100.002	ug/L	94.335
	67	Zn	0.074159	1262.565	1641.431	ug/L	1604.412
	66	Zn	-1.317663	6.644	1342.622	ug/L	1743.822
	76	Se	298.808645	46.810	-223014.947	ug/L	-214915.344
	77	Se	-37.575138	6.354	17707.535	ug/L	21237.361
	78	Se	-0.821112	107.054	20646.253	ug/L	20561.423

	79 Br	100.773212	146.028	45723.195	ug/L	43941.104
>	72 Ge			1688123.597	ug/L	1654184.823
	108 Cd	0.025917	63.419	6.952	ug/L	3.817
	114 Cd	0.009126	40.340	100.764	ug/L	62.899
	109 Ag	0.023651	12.604	88.668	ug/L	26.333
>	115 In			1898604.670	ug/L	1939733.014
	208 207.977	-0.021372	31.113	722.363	ug/L	907.047
	207 Pb	-0.018027	26.210	293.338	ug/L	356.674
	206 Pb	-0.014936	50.538	341.673	ug/L	410.343
>	169 Tm			1096203.961	ug/L	1104046.582
	106 Pd	0.012692	208.167	14.333	ug/L	12.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	106.976
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.052
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	97.880
	Tl	205	
	Pb	208	
>	Tm-1	169	99.290
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.052
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	97.880
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.290
	Pd	106	

Sample ID: BLK RECAL
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 18:51:14
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCB 3.032
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1922024.174	ug/L	
>	6	Li-1			803965.135	ug/L	
	9	Be			10.667	ug/L	
	27	Al			26982.224	ug/L	
	44	Ca			35932.629	ug/L	
	51	V			-21740.024	ug/L	
	52	Cr			31281.492	ug/L	
	55	Mn			2524.698	ug/L	
	54	Fe			78881.017	ug/L	
	57	Fe			13102.049	ug/L	
	59	Co			161.668	ug/L	
	60	Ni			141.649	ug/L	
	65	Cu			182.452	ug/L	
	68	Zn			2937.493	ug/L	
	75	As			17891.829	ug/L	
	82	Se			622.124	ug/L	
	97	Mo			933.719	ug/L	
>	72	Ge-1			1688123.597	ug/L	
	107	Ag			252.337	ug/L	
	111	Cd			45.541	ug/L	
	121	Sb			575.352	ug/L	
	135	Ba			296.338	ug/L	
>	115	In-1			1898604.670	ug/L	
	205	Tl			2406.005	ug/L	
	208	Pb			1357.375	ug/L	
>	169	Tm-1			1096203.961	ug/L	
	50	Cr			-859.802	ug/L	
	53	Cr			123123.596	ug/L	
	61	Ni			2131.060	ug/L	
	63	Cu			100.002	ug/L	
	67	Zn			1641.431	ug/L	
	66	Zn			1342.622	ug/L	
	76	Se			-223014.947	ug/L	
	77	Se			17707.535	ug/L	
	78	Se			20646.253	ug/L	

	79	Br	45723.195	ug/L
>	72	Ge	1688123.597	ug/L
	108	Cd	6.952	ug/L
	114	Cd	100.764	ug/L
	109	Ag	88.668	ug/L
>	115	In	1898604.670	ug/L
	208	207.977	722.363	ug/L
	207	Pb	293.338	ug/L
	206	Pb	341.673	ug/L
>	169	Tm	1096203.961	ug/L
	106	Pd	14.333	ug/L

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	
	Tl	205	
	Pb	208	
>	Tm-1	169	
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	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	
	Pd	106	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: STD1 RECAL
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 18:46:53
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCV 3.031
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1889582.872	ug/L	1922024.174
>	6	Li-1			804120.407	ug/L	803965.135
	9	Be	100.000000	4.008	20942.034	ug/L	10.667
	27	Al	5100.000000	1.250	16323214.218	ug/L	26982.224
	44	Ca	5100.000000	1.178	1111015.527	ug/L	35932.629
	51	V	100.000000	1.620	703070.817	ug/L	-21740.024
	52	Cr	100.000000	1.725	675941.112	ug/L	31281.492
	55	Mn	100.000000	0.803	1035063.135	ug/L	2524.698
	54	Fe	5100.000000	0.277	2458863.508	ug/L	78881.017
	57	Fe	5100.000000	1.040	1084915.761	ug/L	13102.049
	59	Co	100.000000	0.634	804223.755	ug/L	161.668
	60	Ni	100.000000	1.122	172829.891	ug/L	141.649
	65	Cu	100.000000	0.680	173354.480	ug/L	182.452
	68	Zn	100.000000	0.727	69310.098	ug/L	2937.493
	75	As	100.000000	1.343	190312.189	ug/L	17891.829
	82	Se	100.000000	1.626	16642.721	ug/L	622.124
	97	Mo	200.000000	0.534	302279.911	ug/L	933.719
>	72	Ge-1			1704470.109	ug/L	1688123.597
	107	Ag	50.000000	1.361	372322.283	ug/L	252.337
	111	Cd	100.000000	1.423	173395.788	ug/L	45.541
	121	Sb	50.000000	1.097	297773.584	ug/L	575.352
	135	Ba	100.000000	0.642	153291.835	ug/L	296.338
>	115	In-1			1873940.477	ug/L	1898604.670
	205	Tl	50.000000	1.886	588997.232	ug/L	2406.005
	208	Pb	100.000000	0.951	1578406.316	ug/L	1357.375
>	169	Tm-1			1085221.718	ug/L	1096203.961
	50	Cr	100.000000	4.002	12351.985	ug/L	-859.802
	53	Cr	100.000000	8.130	194388.323	ug/L	123123.596
	61	Ni	100.000000	3.151	4773.978	ug/L	2131.060
	63	Cu	100.000000	0.300	130699.621	ug/L	100.002
	67	Zn	100.000000	2.287	7027.227	ug/L	1641.431
	66	Zn	100.000000	1.787	34144.216	ug/L	1342.622
	76	Se	100.000000	162.440	-226975.581	ug/L	-223014.947
	77	Se	100.000000	7.742	29273.268	ug/L	17707.535
	78	Se	100.000000	3.050	59753.447	ug/L	20646.253

	79 Br	100.000000	133.875	45833.556	ug/L	45723.195
>	72 Ge			1704470.109	ug/L	1688123.597
	108 Cd	100.000000	2.601	11970.910	ug/L	6.952
	114 Cd	100.000000	1.345	405272.768	ug/L	100.764
	109 Ag	50.000000	1.643	130688.103	ug/L	88.668
>	115 In			1873940.477	ug/L	1898604.670
	208 207.977	100.000000	1.521	813256.232	ug/L	722.363
	207 Pb	100.000000	0.845	330390.509	ug/L	293.338
	206 Pb	100.000000	0.929	434759.575	ug/L	341.673
>	169 Tm			1085221.718	ug/L	1096203.961
	106 Pd	100.000000	2.362	15031.906	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	
	Tl	205	
	Pb	208	
>	Tm-1	169	
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	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	
	Pd	106	

Sample ID: CCV 4
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 18:55:35
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCV 4.033
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1887211.799	ug/L	1922024.174
>	6	Li-1			784589.507	ug/L	803965.135
	9	Be	101.148583	3.642	20668.716	ug/L	10.667
	27	Al	5041.874212	1.710	15889431.881	ug/L	26982.224
	44	Ca	5062.919167	2.671	1086269.343	ug/L	35932.629
	51	V	99.351882	1.477	687701.065	ug/L	-21740.024
	52	Cr	98.981413	1.034	659179.076	ug/L	31281.492
	55	Mn	99.399509	1.345	1013074.267	ug/L	2524.698
	54	Fe	5119.807648	1.742	2430155.054	ug/L	78881.017
	57	Fe	5028.519920	1.558	1053460.663	ug/L	13102.049
	59	Co	98.996039	2.657	783773.417	ug/L	161.668
	60	Ni	97.877055	0.430	166586.654	ug/L	141.649
	65	Cu	100.928262	1.556	172273.882	ug/L	182.452
	68	Zn	99.110127	0.506	67670.017	ug/L	2937.493
	75	As	101.191616	0.939	189416.510	ug/L	17891.829
	82	Se	100.716194	2.829	16498.221	ug/L	622.124
	97	Mo	196.569260	1.223	292568.627	ug/L	933.719
>	72	Ge-1			1678486.427	ug/L	1688123.597
	107	Ag	49.695861	0.898	366211.456	ug/L	252.337
	111	Cd	97.458867	0.736	167238.057	ug/L	45.541
	121	Sb	49.542819	0.860	291986.840	ug/L	575.352
	135	Ba	99.016747	1.206	150210.519	ug/L	296.338
>	115	In-1			1854452.248	ug/L	1898604.670
	205	Tl	49.025998	0.968	579023.177	ug/L	2406.005
	208	Pb	98.762036	1.839	1562718.512	ug/L	1357.375
>	169	Tm-1			1087975.277	ug/L	1096203.961
	50	Cr	99.907943	8.075	12158.654	ug/L	-859.802
	53	Cr	97.028312	6.547	189327.936	ug/L	123123.596
	61	Ni	100.980005	1.242	4726.239	ug/L	2131.060
	63	Cu	102.511828	0.856	131934.617	ug/L	100.002
	67	Zn	98.405358	2.980	6834.801	ug/L	1641.431
	66	Zn	99.251630	1.674	33384.109	ug/L	1342.622
	76	Se	84.933937	216.557	-223275.467	ug/L	-223014.947
	77	Se	96.236985	5.610	28396.221	ug/L	17707.535
	78	Se	100.917936	1.075	59190.932	ug/L	20646.253

	79 Br	305.434006	44.940	44455.256	ug/L	45723.195
>	72 Ge			1678486.427	ug/L	1688123.597
	108 Cd	98.815992	0.862	11705.339	ug/L	6.952
	114 Cd	99.869852	1.758	400538.337	ug/L	100.764
	109 Ag	49.129793	1.903	127078.432	ug/L	88.668
>	115 In			1854452.248	ug/L	1898604.670
	208 207.977	99.141787	1.827	808276.076	ug/L	722.363
	207 Pb	99.038687	2.289	328012.546	ug/L	293.338
	206 Pb	97.841515	1.578	426429.891	ug/L	341.673
>	169 Tm			1087975.277	ug/L	1096203.961
	106 Pd	99.539728	1.283	14962.784	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	97.590
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	99.429
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	97.674
	Tl	205	
	Pb	208	
>	Tm-1	169	99.249
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.429
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	97.674
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.249
	Pd	106	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: CCB 4
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 18:59:55
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCB 4.034
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1922882.576	ug/L	1922024.174
>	6	Li-1			797906.519	ug/L	803965.135
	9	Be	-0.023683	30.832	5.667	ug/L	10.667
	27	Al	0.014214	677.349	27174.470	ug/L	26982.224
	44	Ca	-0.628281	284.486	35994.885	ug/L	35932.629
	51	V	0.823441	87.394	-15925.852	ug/L	-21740.024
	52	Cr	-0.174282	64.253	30339.550	ug/L	31281.492
	55	Mn	0.001229	533.316	2551.039	ug/L	2524.698
	54	Fe	-8.014337	77.648	75574.536	ug/L	78881.017
	57	Fe	0.201551	389.040	13216.290	ug/L	13102.049
	59	Co	0.001958	93.492	178.335	ug/L	161.668
	60	Ni	-0.009563	89.326	126.077	ug/L	141.649
	65	Cu	-0.007462	129.751	170.565	ug/L	182.452
	68	Zn	-0.201863	9.754	2820.121	ug/L	2937.493
	75	As	0.689491	82.672	19167.029	ug/L	17891.829
	82	Se	-0.430753	23.346	556.725	ug/L	622.124
	97	Mo	0.026705	679.638	980.725	ug/L	933.719
>	72	Ge-1			1697368.704	ug/L	1688123.597
	107	Ag	0.001174	497.567	260.004	ug/L	252.337
	111	Cd	-0.007119	45.829	32.888	ug/L	45.541
	121	Sb	-0.021864	24.429	441.678	ug/L	575.352
	135	Ba	-0.022456	18.632	260.337	ug/L	296.338
>	115	In-1			1890029.763	ug/L	1898604.670
	205	Tl	0.035884	104.105	2845.138	ug/L	2406.005
	208	Pb	0.005614	87.371	1452.047	ug/L	1357.375
>	169	Tm-1			1100186.429	ug/L	1096203.961
	50	Cr	0.160264	87.702	-843.554	ug/L	-859.802
	53	Cr	-6.129310	78.279	119540.765	ug/L	123123.596
	61	Ni	-4.793295	31.812	2017.651	ug/L	2131.060
	63	Cu	-0.004527	95.977	94.668	ug/L	100.002
	67	Zn	-0.765408	97.858	1609.748	ug/L	1641.431
	66	Zn	-0.236061	68.159	1273.260	ug/L	1342.622
	76	Se	182.406977	138.101	-227496.718	ug/L	-223014.947
	77	Se	-8.974233	27.383	16787.937	ug/L	17707.535
	78	Se	-0.548448	140.547	20544.915	ug/L	20646.253

	79 Br	315.630592	70.567	44928.640	ug/L	45723.195
>	72 Ge			1697368.704	ug/L	1688123.597
	108 Cd	-0.002033	1346.979	6.680	ug/L	6.952
	114 Cd	0.000735	385.555	103.313	ug/L	100.764
	109 Ag	0.002932	291.936	96.002	ug/L	88.668
>	115 In			1890029.763	ug/L	1898604.670
	208 207.977	0.005191	137.804	768.034	ug/L	722.363
	207 Pb	0.003707	125.639	306.672	ug/L	293.338
	206 Pb	0.007853	84.944	377.341	ug/L	341.673
>	169 Tm			1100186.429	ug/L	1096203.961
	106 Pd	-0.037734	50.943	8.667	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	99.246
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	100.548
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.548
	Tl	205	
	Pb	208	
>	Tm-1	169	100.363
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	100.548
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.548
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	100.363
	Pd	106	

Sample ID: CCV 5
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 19:38:50
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCV 5.043
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1934340.145	ug/L	1922024.174
>	6	Li-1			826127.358	ug/L	803965.135
	9	Be	99.828553	3.086	21473.656	ug/L	10.667
	27	Al	5065.727953	1.885	16468874.208	ug/L	26982.224
	44	Ca	5142.024935	2.554	1137631.259	ug/L	35932.629
	51	V	101.984808	3.174	728677.526	ug/L	-21740.024
	52	Cr	101.083341	3.004	693635.209	ug/L	31281.492
	55	Mn	100.300634	2.283	1054464.526	ug/L	2524.698
	54	Fe	5123.649660	0.961	2509137.611	ug/L	78881.017
	57	Fe	5137.931498	0.821	1110315.135	ug/L	13102.049
	59	Co	101.064538	2.056	825589.531	ug/L	161.668
	60	Ni	100.033774	0.392	175655.958	ug/L	141.649
	65	Cu	101.008683	0.599	177890.378	ug/L	182.452
	68	Zn	99.766733	2.098	70263.142	ug/L	2937.493
	75	As	101.726799	1.000	196344.388	ug/L	17891.829
	82	Se	101.096081	1.314	17085.215	ug/L	622.124
	97	Mo	200.142614	1.279	307280.093	ug/L	933.719
>	72	Ge-1			1731693.218	ug/L	1688123.597
	107	Ag	51.716695	1.154	386632.793	ug/L	252.337
	111	Cd	101.899536	1.812	177392.991	ug/L	45.541
	121	Sb	51.147080	1.041	305800.941	ug/L	575.352
	135	Ba	101.653676	1.811	156439.689	ug/L	296.338
>	115	In-1			1881398.928	ug/L	1898604.670
	205	Tl	49.953243	1.426	602656.703	ug/L	2406.005
	208	Pb	99.712926	1.411	1611873.501	ug/L	1357.375
>	169	Tm-1			1111486.358	ug/L	1096203.961
	50	Cr	107.454989	2.221	13543.826	ug/L	-859.802
	53	Cr	96.871079	7.615	195250.155	ug/L	123123.596
	61	Ni	99.316337	3.528	4830.731	ug/L	2131.060
	63	Cu	102.163214	2.445	135630.894	ug/L	100.002
	67	Zn	102.059630	4.648	7252.416	ug/L	1641.431
	66	Zn	100.572743	2.530	34880.703	ug/L	1342.622
	76	Se	-20.142869	1863.802	-228494.066	ug/L	-223014.947
	77	Se	97.982175	7.922	29504.479	ug/L	17707.535
	78	Se	101.421900	3.334	61249.745	ug/L	20646.253

	79 Br	58.058948	326.136	46698.070	ug/L	45723.195
>	72 Ge			1731693.218	ug/L	1688123.597
	108 Cd	101.117385	2.345	12151.858	ug/L	6.952
	114 Cd	101.886189	1.756	414568.438	ug/L	100.764
	109 Ag	50.829013	1.476	133375.449	ug/L	88.668
>	115 In			1881398.928	ug/L	1898604.670
	208 207.977	99.892706	1.455	831997.886	ug/L	722.363
	207 Pb	99.892628	3.010	337961.360	ug/L	293.338
	206 Pb	99.240107	0.491	441914.255	ug/L	341.673
>	169 Tm			1111486.358	ug/L	1096203.961
	106 Pd	104.064598	2.718	15642.310	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	102.757
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.581
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.094
	Tl	205	
	Pb	208	
>	Tm-1	169	101.394
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.581
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.094
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	101.394
	Pd	106	

Sample ID: CCB 5
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 19:43:10
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCB 5.044
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1960134.069	ug/L	1922024.174
>	6	Li-1			812898.531	ug/L	803965.135
	9	Be	-0.021103	22.494	6.333	ug/L	10.667
	27	Al	0.225162	95.306	28084.343	ug/L	26982.224
	44	Ca	4.101880	107.596	37301.676	ug/L	35932.629
	51	V	0.828296	31.167	-16028.911	ug/L	-21740.024
	52	Cr	-0.072247	115.952	31253.048	ug/L	31281.492
	55	Mn	-0.005427	249.197	2503.025	ug/L	2524.698
	54	Fe	-2.635250	250.001	78732.169	ug/L	78881.017
	57	Fe	0.201892	1211.144	13325.316	ug/L	13102.049
	59	Co	0.000894	215.667	171.002	ug/L	161.668
	60	Ni	0.000607	1416.452	144.554	ug/L	141.649
	65	Cu	-0.006936	154.453	172.999	ug/L	182.452
	68	Zn	-0.387795	56.759	2719.089	ug/L	2937.493
	75	As	0.666203	98.574	19285.307	ug/L	17891.829
	82	Se	-0.081324	185.488	617.906	ug/L	622.124
	97	Mo	0.052716	372.186	1023.063	ug/L	933.719
>	72	Ge-1			1712197.551	ug/L	1688123.597
	107	Ag	0.008457	34.817	326.673	ug/L	252.337
	111	Cd	-0.006920	13.968	34.503	ug/L	45.541
	121	Sb	0.035960	23.531	818.372	ug/L	575.352
	135	Ba	-0.002000	531.863	303.005	ug/L	296.338
>	115	In-1			1961971.294	ug/L	1898604.670
	205	Tl	0.003775	1197.170	2546.716	ug/L	2406.005
	208	Pb	0.002943	80.838	1459.381	ug/L	1357.375
>	169	Tm-1			1139314.041	ug/L	1096203.961
	50	Cr	0.213526	86.533	-843.402	ug/L	-859.802
	53	Cr	-8.918159	76.334	118543.506	ug/L	123123.596
	61	Ni	-2.895696	86.555	2085.363	ug/L	2131.060
	63	Cu	0.006823	42.130	110.335	ug/L	100.002
	67	Zn	-0.736883	398.676	1623.090	ug/L	1641.431
	66	Zn	-0.527731	32.715	1187.226	ug/L	1342.622
	76	Se	-0.724968	50364.003	-226250.221	ug/L	-223014.947
	77	Se	-11.043327	23.008	16692.805	ug/L	17707.535
	78	Se	-0.090551	1137.668	20900.318	ug/L	20646.253

	79 Br	322.374650	202.044	45265.859	ug/L	45723.195
>	72 Ge			1712197.551	ug/L	1688123.597
	108 Cd	0.006589	534.231	8.014	ug/L	6.952
	114 Cd	0.001869	87.897	112.059	ug/L	100.764
	109 Ag	0.001357	257.456	95.335	ug/L	88.668
>	115 In			1961971.294	ug/L	1898604.670
	208 207.977	0.001720	190.525	765.367	ug/L	722.363
	207 Pb	0.001854	247.807	311.339	ug/L	293.338
	206 Pb	0.006059	103.910	382.675	ug/L	341.673
>	169 Tm			1139314.041	ug/L	1096203.961
	106 Pd	-0.031075	53.927	9.667	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	101.111
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	101.426
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	103.338
	Tl	205	
	Pb	208	
>	Tm-1	169	103.933
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.426
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	103.338
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	103.933
	Pd	106	

Sample ID: CCV 6
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 19:47:31
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCV 6.045
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1888541.275	ug/L	1922024.174
>	6	Li-1			832086.785	ug/L	803965.135
	9	Be	99.615141	0.821	21602.301	ug/L	10.667
	27	Al	5225.254655	1.142	16456806.331	ug/L	26982.224
	44	Ca	5180.913706	2.252	1110103.126	ug/L	35932.629
	51	V	103.761939	1.834	718699.980	ug/L	-21740.024
	52	Cr	103.745275	2.158	688906.872	ug/L	31281.492
	55	Mn	104.284077	1.947	1062119.281	ug/L	2524.698
	54	Fe	5518.944722	1.398	2611811.342	ug/L	78881.017
	57	Fe	5270.755524	1.825	1102965.796	ug/L	13102.049
	59	Co	103.019490	1.463	815232.726	ug/L	161.668
	60	Ni	103.494865	1.746	175999.869	ug/L	141.649
	65	Cu	103.551018	0.614	176644.981	ug/L	182.452
	68	Zn	103.064474	2.537	70199.187	ug/L	2937.493
	75	As	103.498824	0.646	193201.386	ug/L	17891.829
	82	Se	105.876459	1.780	17304.370	ug/L	622.124
	97	Mo	208.459164	2.288	309988.891	ug/L	933.719
>	72	Ge-1			1677322.884	ug/L	1688123.597
	107	Ag	52.385772	2.096	387548.806	ug/L	252.337
	111	Cd	103.123834	1.428	177682.601	ug/L	45.541
	121	Sb	51.589648	0.920	305254.365	ug/L	575.352
	135	Ba	103.600507	0.866	157789.090	ug/L	296.338
>	115	In-1			1862071.854	ug/L	1898604.670
	205	Tl	49.910868	0.966	599054.796	ug/L	2406.005
	208	Pb	101.028780	1.437	1624719.001	ug/L	1357.375
>	169	Tm-1			1105672.629	ug/L	1096203.961
	50	Cr	106.106587	12.767	12955.452	ug/L	-859.802
	53	Cr	99.520640	6.068	190914.538	ug/L	123123.596
	61	Ni	106.330510	4.480	4860.779	ug/L	2131.060
	63	Cu	105.238010	0.919	135349.598	ug/L	100.002
	67	Zn	103.236997	1.986	7086.026	ug/L	1641.431
	66	Zn	103.024562	0.834	34577.598	ug/L	1342.622
	76	Se	-230.319368	69.653	-217540.587	ug/L	-223014.947
	77	Se	103.301501	2.059	29172.001	ug/L	17707.535
	78	Se	107.452453	3.815	61642.009	ug/L	20646.253

	79 Br	-114.746996	302.892	45801.774	ug/L	45723.195
>	72 Ge			1677322.884	ug/L	1688123.597
	108 Cd	103.090073	2.323	12261.948	ug/L	6.952
	114 Cd	102.236444	1.689	411736.242	ug/L	100.764
	109 Ag	51.734985	2.359	134342.874	ug/L	88.668
>	115 In			1862071.854	ug/L	1898604.670
	208 207.977	101.195380	2.734	838482.115	ug/L	722.363
	207 Pb	101.033206	0.331	340101.012	ug/L	293.338
	206 Pb	100.713801	1.086	446135.874	ug/L	341.673
>	169 Tm			1105672.629	ug/L	1096203.961
	106 Pd	104.093463	0.834	15646.644	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.498
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	99.360
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.076
	Tl	205	
	Pb	208	
>	Tm-1	169	100.864
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.360
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.076
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	100.864
	Pd	106	

Sample ID: CCB 6
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 19:51:52
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCB 6.046
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			2011920.814	ug/L	1922024.174
>	6	Li-1			814707.073	ug/L	803965.135
	9	Be	-0.027369	29.849	5.000	ug/L	10.667
	27	Al	0.073627	99.580	28713.370	ug/L	26982.224
	44	Ca	-3.961530	96.657	37032.873	ug/L	35932.629
	51	V	0.827087	11.808	-16670.554	ug/L	-21740.024
	52	Cr	-0.313337	31.689	30892.115	ug/L	31281.492
	55	Mn	-0.011082	56.278	2543.703	ug/L	2524.698
	54	Fe	-9.466535	48.074	78607.220	ug/L	78881.017
	57	Fe	-0.094461	1324.879	13800.890	ug/L	13102.049
	59	Co	0.003267	43.997	198.002	ug/L	161.668
	60	Ni	-0.004181	127.758	141.984	ug/L	141.649
	65	Cu	-0.008952	42.799	176.297	ug/L	182.452
	68	Zn	-0.350253	31.808	2856.133	ug/L	2937.493
	75	As	0.125274	407.417	19099.642	ug/L	17891.829
	82	Se	-0.247607	27.728	614.924	ug/L	622.124
	97	Mo	0.053015	310.847	1066.401	ug/L	933.719
>	72	Ge-1			1781156.435	ug/L	1688123.597
	107	Ag	0.004585	41.058	300.338	ug/L	252.337
	111	Cd	0.003490	98.559	54.101	ug/L	45.541
	121	Sb	-0.002713	359.057	585.353	ug/L	575.352
	135	Ba	-0.019733	68.914	278.338	ug/L	296.338
>	115	In-1			1987900.936	ug/L	1898604.670
	205	Tl	0.031747	152.247	2948.509	ug/L	2406.005
	208	Pb	0.008622	59.941	1585.723	ug/L	1357.375
>	169	Tm-1			1163371.081	ug/L	1096203.961
	50	Cr	0.354403	57.110	-857.991	ug/L	-859.802
	53	Cr	-13.865756	38.346	119724.372	ug/L	123123.596
	61	Ni	-5.500246	68.555	2097.371	ug/L	2131.060
	63	Cu	0.000815	1240.437	106.669	ug/L	100.002
	67	Zn	-0.237002	952.121	1717.473	ug/L	1641.431
	66	Zn	-0.308897	18.930	1310.942	ug/L	1342.622
	76	Se	145.050456	222.898	-238074.841	ug/L	-223014.947
	77	Se	-14.919681	27.848	16903.089	ug/L	17707.535
	78	Se	-1.440200	104.589	21193.480	ug/L	20646.253

	79 Br	771.546323	73.031	45531.491	ug/L	45723.195
>	72 Ge			1781156.435	ug/L	1688123.597
	108 Cd	-0.011651	51.103	5.804	ug/L	6.952
	114 Cd	0.003741	82.359	121.633	ug/L	100.764
	109 Ag	0.003076	159.307	101.335	ug/L	88.668
>	115 In			1987900.936	ug/L	1898604.670
	208 207.977	0.006947	103.451	826.706	ug/L	722.363
	207 Pb	0.006536	67.127	334.340	ug/L	293.338
	206 Pb	0.013340	37.606	424.677	ug/L	341.673
>	169 Tm			1163371.081	ug/L	1096203.961
	106 Pd	-0.024416	103.253	10.667	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	101.336
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	105.511
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	104.703
	Tl	205	
	Pb	208	
>	Tm-1	169	106.127
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	105.511
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	104.703
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	106.127
	Pd	106	

Sample ID: CCV 7
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 20:39:12
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCV 7.057
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1895722.538	ug/L	1922024.174
>	6	Li-1			843724.867	ug/L	803965.135
	9	Be	98.767080	1.892	21716.584	ug/L	10.667
	27	Al	4889.259573	3.010	15955330.522	ug/L	26982.224
	44	Ca	5095.909206	1.036	1132071.983	ug/L	35932.629
	51	V	101.647380	2.363	729170.489	ug/L	-21740.024
	52	Cr	99.894637	1.589	688552.291	ug/L	31281.492
	55	Mn	99.185168	3.056	1046730.400	ug/L	2524.698
	54	Fe	5083.590763	1.784	2499291.716	ug/L	78881.017
	57	Fe	5047.764493	2.298	1094989.877	ug/L	13102.049
	59	Co	99.149222	1.266	813010.313	ug/L	161.668
	60	Ni	98.112481	2.584	172881.740	ug/L	141.649
	65	Cu	100.646411	0.438	177916.488	ug/L	182.452
	68	Zn	100.677883	2.135	71126.602	ug/L	2937.493
	75	As	101.752787	1.461	197119.675	ug/L	17891.829
	82	Se	99.581023	2.458	16901.278	ug/L	622.124
	97	Mo	203.972350	2.137	314299.794	ug/L	933.719
>	72	Ge-1			1738073.732	ug/L	1688123.597
	107	Ag	52.037996	1.305	392612.809	ug/L	252.337
	111	Cd	100.780832	0.871	177074.506	ug/L	45.541
	121	Sb	50.363484	0.630	303921.219	ug/L	575.352
	135	Ba	100.245771	2.062	155687.922	ug/L	296.338
>	115	In-1			1899013.523	ug/L	1898604.670
	205	Tl	48.985702	1.706	599241.286	ug/L	2406.005
	208	Pb	99.089303	0.383	1624223.328	ug/L	1357.375
>	169	Tm-1			1126938.485	ug/L	1096203.961
	50	Cr	109.964699	2.545	13934.079	ug/L	-859.802
	53	Cr	95.289047	10.006	194791.378	ug/L	123123.596
	61	Ni	93.798126	4.816	4702.204	ug/L	2131.060
	63	Cu	101.818562	1.336	135700.328	ug/L	100.002
	67	Zn	104.179712	2.427	7393.737	ug/L	1641.431
	66	Zn	99.784764	0.817	34744.753	ug/L	1342.622
	76	Se	-95.910176	276.132	-227892.528	ug/L	-223014.947
	77	Se	96.236357	6.097	29404.883	ug/L	17707.535
	78	Se	105.077303	2.439	62939.217	ug/L	20646.253

	79 Br	105.695508	427.441	46706.465	ug/L	45723.195
>	72 Ge			1738073.732	ug/L	1688123.597
	108 Cd	101.514419	0.560	12313.223	ug/L	6.952
	114 Cd	101.500094	1.619	416803.452	ug/L	100.764
	109 Ag	50.947245	1.790	134916.116	ug/L	88.668
>	115 In			1899013.523	ug/L	1898604.670
	208 207.977	98.877492	0.892	835110.889	ug/L	722.363
	207 Pb	99.825137	1.379	342486.339	ug/L	293.338
	206 Pb	98.926348	0.417	446626.100	ug/L	341.673
>	169 Tm			1126938.485	ug/L	1096203.961
	106 Pd	106.261517	1.502	15972.233	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	104.945
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.959
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.022
	Tl	205	
	Pb	208	
>	Tm-1	169	102.804
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.959
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.022
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	102.804
	Pd	106	

Sample ID: CCB 7
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 20:43:33
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCB 7.058
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1932304.058	ug/L	1922024.174
>	6	Li-1			843645.239	ug/L	803965.135
	9	Be	-0.020760	64.244	6.667	ug/L	10.667
	27	Al	0.076386	115.807	28175.962	ug/L	26982.224
	44	Ca	5.057554	31.538	38280.891	ug/L	35932.629
	51	V	0.223867	138.174	-20858.747	ug/L	-21740.024
	52	Cr	-0.353293	16.552	30047.194	ug/L	31281.492
	55	Mn	-0.013441	19.178	2470.682	ug/L	2524.698
	54	Fe	-4.443667	106.013	79515.788	ug/L	78881.017
	57	Fe	0.558727	181.819	13679.362	ug/L	13102.049
	59	Co	0.003918	13.960	199.669	ug/L	161.668
	60	Ni	-0.014272	49.810	121.357	ug/L	141.649
	65	Cu	-0.008289	149.949	174.301	ug/L	182.452
	68	Zn	-0.694445	12.668	2568.711	ug/L	2937.493
	75	As	0.542108	53.471	19470.896	ug/L	17891.829
	82	Se	-0.401969	2.216	577.919	ug/L	622.124
	97	Mo	0.024431	673.428	1006.394	ug/L	933.719
>	72	Ge-1			1747274.574	ug/L	1688123.597
	107	Ag	0.007391	45.851	308.672	ug/L	252.337
	111	Cd	0.002946	218.817	50.911	ug/L	45.541
	121	Sb	0.007830	111.638	623.022	ug/L	575.352
	135	Ba	-0.003557	328.550	291.005	ug/L	296.338
>	115	In-1			1900584.060	ug/L	1898604.670
	205	Tl	0.011643	345.094	2643.076	ug/L	2406.005
	208	Pb	0.008714	30.426	1553.721	ug/L	1357.375
>	169	Tm-1			1138316.968	ug/L	1096203.961
	50	Cr	0.317422	53.681	-847.079	ug/L	-859.802
	53	Cr	-14.533325	17.182	117019.424	ug/L	123123.596
	61	Ni	-9.254760	22.273	1956.946	ug/L	2131.060
	63	Cu	0.007833	25.054	114.002	ug/L	100.002
	67	Zn	-0.478969	472.108	1673.450	ug/L	1641.431
	66	Zn	-0.747400	17.656	1138.541	ug/L	1342.622
	76	Se	-45.543122	627.866	-230042.345	ug/L	-223014.947
	77	Se	-16.732552	12.327	16375.056	ug/L	17707.535
	78	Se	-0.904546	95.447	21006.137	ug/L	20646.253

	79 Br	324.278379	128.058	46216.017	ug/L	45723.195
>	72 Ge			1747274.574	ug/L	1688123.597
	108 Cd	0.002747	1428.440	7.260	ug/L	6.952
	114 Cd	0.003254	102.642	114.179	ug/L	100.764
	109 Ag	0.005128	51.748	102.335	ug/L	88.668
>	115 In			1900584.060	ug/L	1898604.670
	208 207.977	0.008126	75.192	819.372	ug/L	722.363
	207 Pb	0.004632	57.320	320.673	ug/L	293.338
	206 Pb	0.012916	26.584	413.676	ug/L	341.673
>	169 Tm			1138316.968	ug/L	1096203.961
	106 Pd	-0.028855	69.231	10.000	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	104.936
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	103.504
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.104
	Tl	205	
	Pb	208	
>	Tm-1	169	103.842
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	103.504
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.104
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	103.842
	Pd	106	

Sample ID: CCV 8
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 20:47:54
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCV 8.059
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1916701.037	ug/L	1922024.174
>	6	Li-1			821181.571	ug/L	803965.135
	9	Be	102.553788	4.052	21929.457	ug/L	10.667
	27	Al	5042.914474	2.034	16440199.420	ug/L	26982.224
	44	Ca	5111.921391	0.502	1134237.475	ug/L	35932.629
	51	V	100.812387	0.519	722150.150	ug/L	-21740.024
	52	Cr	99.839730	2.051	687463.446	ug/L	31281.492
	55	Mn	102.162471	1.569	1077037.229	ug/L	2524.698
	54	Fe	5205.009759	2.144	2554321.373	ug/L	78881.017
	57	Fe	5139.598803	2.402	1113576.375	ug/L	13102.049
	59	Co	102.215065	2.311	837238.825	ug/L	161.668
	60	Ni	100.314525	1.026	176585.290	ug/L	141.649
	65	Cu	103.425933	2.325	182614.457	ug/L	182.452
	68	Zn	101.741290	0.776	71773.170	ug/L	2937.493
	75	As	104.572261	0.813	201856.941	ug/L	17891.829
	82	Se	102.975214	0.737	17437.846	ug/L	622.124
	97	Mo	205.009205	2.518	315578.498	ug/L	933.719
>	72	Ge-1			1736081.798	ug/L	1688123.597
	107	Ag	52.586037	1.623	398067.107	ug/L	252.337
	111	Cd	101.842519	1.556	179525.081	ug/L	45.541
	121	Sb	50.707557	0.914	307000.921	ug/L	575.352
	135	Ba	101.096211	0.928	157545.669	ug/L	296.338
>	115	In-1			1905206.153	ug/L	1898604.670
	205	Tl	49.697907	1.549	608128.086	ug/L	2406.005
	208	Pb	100.218609	0.111	1643167.676	ug/L	1357.375
>	169	Tm-1			1127258.628	ug/L	1096203.961
	50	Cr	101.375057	9.289	12762.711	ug/L	-859.802
	53	Cr	98.805438	4.502	197113.478	ug/L	123123.596
	61	Ni	104.257193	2.056	4975.959	ug/L	2131.060
	63	Cu	105.065830	0.697	139861.347	ug/L	100.002
	67	Zn	100.897649	1.737	7206.634	ug/L	1641.431
	66	Zn	100.808089	0.963	35048.118	ug/L	1342.622
	76	Se	-123.838724	175.406	-227092.577	ug/L	-223014.947
	77	Se	102.608909	4.424	30114.907	ug/L	17707.535
	78	Se	103.213508	1.051	62130.495	ug/L	20646.253

	79 Br	71.955938	229.944	46776.699	ug/L	45723.195
>	72 Ge			1736081.798	ug/L	1688123.597
	108 Cd	101.144306	0.544	12308.799	ug/L	6.952
	114 Cd	101.936789	0.715	420018.288	ug/L	100.764
	109 Ag	50.135123	1.573	133212.209	ug/L	88.668
>	115 In			1905206.153	ug/L	1898604.670
	208 207.977	100.073686	0.685	845416.338	ug/L	722.363
	207 Pb	99.989422	0.961	343166.017	ug/L	293.338
	206 Pb	100.663830	1.214	454585.321	ug/L	341.673
>	169 Tm			1127258.628	ug/L	1096203.961
	106 Pd	106.392719	1.736	15991.937	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	102.141
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.841
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.348
	Tl	205	
	Pb	208	
>	Tm-1	169	102.833
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.841
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.348
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	102.833
	Pd	106	

Sample ID: CCB 8
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 20:52:15
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCB 8.060
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1972245.907	ug/L	1922024.174
>	6	Li-1			834430.289	ug/L	803965.135
	9	Be	-0.004603	240.546	10.000	ug/L	10.667
	27	Al	0.177014	45.172	29221.739	ug/L	26982.224
	44	Ca	1.140898	274.297	38363.923	ug/L	35932.629
	51	V	1.081198	23.928	-14819.134	ug/L	-21740.024
	52	Cr	-0.325452	7.875	30980.090	ug/L	31281.492
	55	Mn	-0.012622	29.368	2541.369	ug/L	2524.698
	54	Fe	-7.710484	24.405	79890.268	ug/L	78881.017
	57	Fe	2.510842	80.956	14449.987	ug/L	13102.049
	59	Co	0.006179	6.687	223.670	ug/L	161.668
	60	Ni	-0.008160	83.972	135.581	ug/L	141.649
	65	Cu	-0.016212	45.336	163.895	ug/L	182.452
	68	Zn	-0.721676	22.969	2611.723	ug/L	2937.493
	75	As	0.360477	94.228	19632.456	ug/L	17891.829
	82	Se	-0.563024	29.346	564.977	ug/L	622.124
	97	Mo	0.090037	206.936	1135.411	ug/L	933.719
>	72	Ge-1			1790844.194	ug/L	1688123.597
	107	Ag	0.009607	22.116	338.007	ug/L	252.337
	111	Cd	0.000793	745.557	48.834	ug/L	45.541
	121	Sb	-0.011501	42.235	526.683	ug/L	575.352
	135	Ba	-0.001288	1165.852	306.339	ug/L	296.338
>	115	In-1			1976209.087	ug/L	1898604.670
	205	Tl	0.045064	87.781	3130.903	ug/L	2406.005
	208	Pb	0.011234	29.034	1635.392	ug/L	1357.375
>	169	Tm-1			1166924.788	ug/L	1096203.961
	50	Cr	0.440192	61.906	-850.888	ug/L	-859.802
	53	Cr	-16.063013	29.515	118787.786	ug/L	123123.596
	61	Ni	-6.904908	37.961	2070.353	ug/L	2131.060
	63	Cu	-0.000091	4605.471	106.002	ug/L	100.002
	67	Zn	0.389254	263.843	1763.498	ug/L	1641.431
	66	Zn	-0.862165	30.538	1126.203	ug/L	1342.622
	76	Se	4.977618	6706.808	-236756.958	ug/L	-223014.947
	77	Se	-13.894378	10.444	17120.050	ug/L	17707.535
	78	Se	-1.100450	136.850	21445.196	ug/L	20646.253

	79 Br	462.832654	80.392	46874.772	ug/L	45723.195
>	72 Ge			1790844.194	ug/L	1688123.597
	108 Cd	-0.008692	323.579	6.137	ug/L	6.952
	114 Cd	0.007280	57.852	135.964	ug/L	100.764
	109 Ag	0.007903	80.857	114.002	ug/L	88.668
>	115 In			1976209.087	ug/L	1898604.670
	208 207.977	0.008904	64.575	846.708	ug/L	722.363
	207 Pb	0.012041	28.852	355.007	ug/L	293.338
	206 Pb	0.014978	11.754	433.677	ug/L	341.673
>	169 Tm			1166924.788	ug/L	1096203.961
	106 Pd	-0.011098	34.641	12.667	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.789
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	106.085
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	104.087
	Tl	205	
	Pb	208	
>	Tm-1	169	106.451
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	106.085
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	104.087
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	106.451
	Pd	106	

Sample ID: CCV 9
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 21:40:04
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCV 9.071
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1924913.429	ug/L	1922024.174
>	6	Li-1			850883.577	ug/L	803965.135
	9	Be	96.368844	2.772	21366.062	ug/L	10.667
	27	Al	4708.794157	1.162	15706245.752	ug/L	26982.224
	44	Ca	4997.607322	3.050	1134976.963	ug/L	35932.629
	51	V	99.705135	4.085	730163.795	ug/L	-21740.024
	52	Cr	97.658920	1.656	688612.036	ug/L	31281.492
	55	Mn	98.474375	3.592	1061835.374	ug/L	2524.698
	54	Fe	4994.434660	3.542	2510042.950	ug/L	78881.017
	57	Fe	4948.848037	2.784	1097205.133	ug/L	13102.049
	59	Co	95.984869	1.528	804287.524	ug/L	161.668
	60	Ni	98.673115	1.695	177685.223	ug/L	141.649
	65	Cu	100.150292	1.515	180921.456	ug/L	182.452
	68	Zn	98.948791	1.500	71494.586	ug/L	2937.493
	75	As	101.478173	0.654	200966.483	ug/L	17891.829
	82	Se	98.873797	2.163	17153.061	ug/L	622.124
	97	Mo	200.587505	1.257	315898.424	ug/L	933.719
>	72	Ge-1			1776280.938	ug/L	1688123.597
	107	Ag	51.019308	0.593	386288.423	ug/L	252.337
	111	Cd	99.417749	2.730	175282.700	ug/L	45.541
	121	Sb	50.159478	2.175	303717.850	ug/L	575.352
	135	Ba	100.226059	1.683	156211.551	ug/L	296.338
>	115	In-1			1905459.614	ug/L	1898604.670
	205	Tl	48.315651	1.254	600502.119	ug/L	2406.005
	208	Pb	97.853852	1.946	1629357.643	ug/L	1357.375
>	169	Tm-1			1144903.631	ug/L	1096203.961
	50	Cr	97.232273	10.386	12475.652	ug/L	-859.802
	53	Cr	95.822126	11.124	199406.856	ug/L	123123.596
	61	Ni	92.995881	5.066	4781.990	ug/L	2131.060
	63	Cu	98.463591	0.985	134098.914	ug/L	100.002
	67	Zn	100.334718	3.223	7339.944	ug/L	1641.431
	66	Zn	97.294125	1.706	34653.085	ug/L	1342.622
	76	Se	-40.516100	579.102	-233955.233	ug/L	-223014.947
	77	Se	101.903445	8.340	30716.031	ug/L	17707.535
	78	Se	100.177666	4.239	62318.274	ug/L	20646.253

	79 Br	485.558257	148.197	46389.325	ug/L	45723.195
>	72 Ge			1776280.938	ug/L	1688123.597
	108 Cd	99.528681	1.069	12113.770	ug/L	6.952
	114 Cd	100.734987	1.551	415101.333	ug/L	100.764
	109 Ag	49.547265	2.301	131666.806	ug/L	88.668
>	115 In			1905459.614	ug/L	1898604.670
	208 207.977	98.339247	2.172	843679.711	ug/L	722.363
	207 Pb	97.342139	2.546	339242.112	ug/L	293.338
	206 Pb	97.334781	1.341	446435.820	ug/L	341.673
>	169 Tm			1144903.631	ug/L	1096203.961
	106 Pd	105.721189	2.417	15891.089	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	105.836
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	105.222
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.361
	Tl	205	
	Pb	208	
>	Tm-1	169	104.443
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	105.222
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.361
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.443
	Pd	106	

Sample ID: CCB 9
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 21:44:25
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCB 9.072
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1953769.334	ug/L	1922024.174
>	6	Li-1			839587.182	ug/L	803965.135
	9	Be	0.003934	200.206	12.000	ug/L	10.667
	27	Al	0.127439	45.413	28941.790	ug/L	26982.224
	44	Ca	4.151580	59.028	38886.887	ug/L	35932.629
	51	V	0.773520	54.746	-17114.659	ug/L	-21740.024
	52	Cr	-0.335985	46.614	30787.764	ug/L	31281.492
	55	Mn	-0.016824	42.616	2486.353	ug/L	2524.698
	54	Fe	-5.669556	63.303	80587.790	ug/L	78881.017
	57	Fe	1.339582	86.664	14139.733	ug/L	13102.049
	59	Co	0.006970	55.211	229.670	ug/L	161.668
	60	Ni	-0.001309	981.009	147.248	ug/L	141.649
	65	Cu	0.004122	288.609	200.353	ug/L	182.452
	68	Zn	-0.877485	1.748	2495.022	ug/L	2937.493
	75	As	0.344464	50.179	19531.669	ug/L	17891.829
	82	Se	-0.337484	26.712	600.972	ug/L	622.124
	97	Mo	0.022141	802.843	1021.729	ug/L	933.719
>	72	Ge-1			1784058.969	ug/L	1688123.597
	107	Ag	0.008565	39.179	331.673	ug/L	252.337
	111	Cd	0.002513	253.841	52.161	ug/L	45.541
	121	Sb	-0.041104	8.082	343.007	ug/L	575.352
	135	Ba	-0.003434	343.073	304.339	ug/L	296.338
>	115	In-1			1984756.448	ug/L	1898604.670
	205	Tl	0.021187	202.980	2812.462	ug/L	2406.005
	208	Pb	0.012007	8.790	1641.059	ug/L	1357.375
>	169	Tm-1			1161773.493	ug/L	1096203.961
	50	Cr	0.418567	19.167	-850.713	ug/L	-859.802
	53	Cr	-12.505044	35.976	120944.822	ug/L	123123.596
	61	Ni	-11.012822	24.801	1949.608	ug/L	2131.060
	63	Cu	0.010644	105.768	120.336	ug/L	100.002
	67	Zn	0.182876	1074.583	1744.488	ug/L	1641.431
	66	Zn	-0.880147	17.105	1117.200	ug/L	1342.622
	76	Se	145.135682	12.137	-238412.181	ug/L	-223014.947
	77	Se	-8.943841	48.335	17644.448	ug/L	17707.535
	78	Se	-0.206666	286.684	21734.034	ug/L	20646.253

	79 Br	607.840406	28.343	46194.546	ug/L	45723.195
>	72 Ge			1784058.969	ug/L	1688123.597
	108 Cd	0.031074	114.667	11.224	ug/L	6.952
	114 Cd	0.007240	64.862	136.068	ug/L	100.764
	109 Ag	0.005062	138.428	107.002	ug/L	88.668
>	115 In			1984756.448	ug/L	1898604.670
	208 207.977	0.009340	32.959	847.041	ug/L	722.363
	207 Pb	0.011841	21.655	352.674	ug/L	293.338
	206 Pb	0.017123	42.585	441.344	ug/L	341.673
>	169 Tm			1161773.493	ug/L	1096203.961
	106 Pd	-0.022196	103.923	11.000	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	104.431
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	105.683
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	104.538
	Tl	205	
	Pb	208	
>	Tm-1	169	105.982
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	105.683
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	104.538
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	105.982
	Pd	106	

Sample ID: CCV 10
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 21:48:46
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCV 10.073
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1877643.761	ug/L	1922024.174
>	6	Li-1			846496.846	ug/L	803965.135
	9	Be	97.464049	1.731	21500.050	ug/L	10.667
	27	Al	4749.984605	1.110	15742430.491	ug/L	26982.224
	44	Ca	4963.202635	1.026	1120503.802	ug/L	35932.629
	51	V	101.508230	0.545	739267.787	ug/L	-21740.024
	52	Cr	99.474890	1.207	696347.213	ug/L	31281.492
	55	Mn	99.071094	1.655	1061740.714	ug/L	2524.698
	54	Fe	5076.479646	1.635	2534246.895	ug/L	78881.017
	57	Fe	5062.750091	1.348	1115200.649	ug/L	13102.049
	59	Co	100.116775	0.385	833583.914	ug/L	161.668
	60	Ni	99.483530	1.430	178012.655	ug/L	141.649
	65	Cu	102.569070	1.319	184090.607	ug/L	182.452
	68	Zn	101.320510	0.986	72668.199	ug/L	2937.493
	75	As	104.070390	0.218	204287.948	ug/L	17891.829
	82	Se	101.688979	0.819	17512.211	ug/L	622.124
	97	Mo	202.265918	0.807	316487.393	ug/L	933.719
>	72	Ge-1			1764689.775	ug/L	1688123.597
	107	Ag	51.495673	0.931	388756.546	ug/L	252.337
	111	Cd	101.196316	1.003	177903.786	ug/L	45.541
	121	Sb	50.838676	1.882	306921.778	ug/L	575.352
	135	Ba	102.444593	1.770	159195.915	ug/L	296.338
>	115	In-1			1899947.698	ug/L	1898604.670
	205	Tl	49.813990	1.148	612232.821	ug/L	2406.005
	208	Pb	99.437404	1.810	1637473.064	ug/L	1357.375
>	169	Tm-1			1132310.221	ug/L	1096203.961
	50	Cr	91.220819	4.700	11583.079	ug/L	-859.802
	53	Cr	96.512390	3.985	198699.715	ug/L	123123.596
	61	Ni	98.540126	3.795	4902.844	ug/L	2131.060
	63	Cu	102.288101	1.577	138409.879	ug/L	100.002
	67	Zn	100.816954	2.238	7321.235	ug/L	1641.431
	66	Zn	99.944700	1.688	35334.359	ug/L	1342.622
	76	Se	-12.932909	466.229	-232892.876	ug/L	-223014.947
	77	Se	102.372064	0.654	30583.369	ug/L	17707.535
	78	Se	105.078578	0.957	63904.576	ug/L	20646.253

	79 Br	365.755325	98.749	46533.504	ug/L	45723.195
>	72 Ge			1764689.775	ug/L	1688123.597
	108 Cd	100.069794	4.323	12142.250	ug/L	6.952
	114 Cd	102.182279	1.158	419894.650	ug/L	100.764
	109 Ag	50.967094	0.622	135055.128	ug/L	88.668
>	115 In			1899947.698	ug/L	1898604.670
	208 207.977	99.735550	1.756	846232.596	ug/L	722.363
	207 Pb	99.613834	1.446	343367.658	ug/L	293.338
	206 Pb	98.745675	2.408	447872.810	ug/L	341.673
>	169 Tm			1132310.221	ug/L	1096203.961
	106 Pd	107.751403	1.713	16195.978	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	105.290
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	104.536
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.071
	Tl	205	
	Pb	208	
>	Tm-1	169	103.294
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	104.536
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.071
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	103.294
	Pd	106	

Sample ID: CCB 10
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 21:53:07
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCB 10.074
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1952026.360	ug/L	1922024.174
>	6	Li-1			808472.470	ug/L	803965.135
	9	Be	-0.016208	58.488	7.333	ug/L	10.667
	27	Al	0.185705	58.059	29090.283	ug/L	26982.224
	44	Ca	1.616031	163.043	38269.184	ug/L	35932.629
	51	V	1.104091	44.878	-14582.371	ug/L	-21740.024
	52	Cr	-0.304188	51.051	30955.025	ug/L	31281.492
	55	Mn	-0.006494	54.402	2593.718	ug/L	2524.698
	54	Fe	-3.384652	100.509	81577.670	ug/L	78881.017
	57	Fe	0.962459	258.213	14035.713	ug/L	13102.049
	59	Co	0.010127	9.836	255.670	ug/L	161.668
	60	Ni	-0.001615	715.668	146.523	ug/L	141.649
	65	Cu	-0.000712	98.873	191.220	ug/L	182.452
	68	Zn	-0.821334	17.038	2529.699	ug/L	2937.493
	75	As	0.608822	95.729	19971.063	ug/L	17891.829
	82	Se	-0.344140	76.303	598.860	ug/L	622.124
	97	Mo	0.069645	258.560	1094.738	ug/L	933.719
>	72	Ge-1			1781194.377	ug/L	1688123.597
	107	Ag	0.006331	81.160	305.339	ug/L	252.337
	111	Cd	0.006552	99.853	58.002	ug/L	45.541
	121	Sb	-0.043575	8.269	318.339	ug/L	575.352
	135	Ba	-0.017626	41.814	273.671	ug/L	296.338
>	115	In-1			1931462.526	ug/L	1898604.670
	205	Tl	0.055914	85.419	3206.600	ug/L	2406.005
	208	Pb	0.014721	30.612	1664.729	ug/L	1357.375
>	169	Tm-1			1146538.558	ug/L	1096203.961
	50	Cr	0.263286	111.182	-870.828	ug/L	-859.802
	53	Cr	-13.309676	44.430	120169.612	ug/L	123123.596
	61	Ni	-13.494136	20.857	1878.565	ug/L	2131.060
	63	Cu	0.000372	1383.594	106.002	ug/L	100.002
	67	Zn	0.570471	148.874	1763.831	ug/L	1641.431
	66	Zn	-0.867457	23.376	1119.201	ug/L	1342.622
	76	Se	-211.558426	52.554	-231342.415	ug/L	-223014.947
	77	Se	-10.158207	33.161	17474.878	ug/L	17707.535
	78	Se	-0.171577	474.134	21714.183	ug/L	20646.253

	79 Br	612.136987	67.497	46103.915	ug/L	45723.195
>	72 Ge			1781194.377	ug/L	1688123.597
	108 Cd	-0.011259	360.402	5.705	ug/L	6.952
	114 Cd	0.012592	41.015	154.961	ug/L	100.764
	109 Ag	0.009853	34.973	116.669	ug/L	88.668
>	115 In			1931462.526	ug/L	1898604.670
	208 207.977	0.014545	4.079	880.378	ug/L	722.363
	207 Pb	0.009449	115.106	339.673	ug/L	293.338
	206 Pb	0.019057	44.071	444.678	ug/L	341.673
>	169 Tm			1146538.558	ug/L	1096203.961
	106 Pd	-0.026636	87.797	10.333	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	100.561
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	105.513
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.731
	Tl	205	
	Pb	208	
>	Tm-1	169	104.592
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	105.513
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.731
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.592
	Pd	106	

Sample ID: H5XGMB
Sample Description: G6E220000-358 BLK
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 21:57:29
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5XGMB.075
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 23
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1941631.325	ug/L	1922024.174
>	6	Li-1			823540.777	ug/L	803965.135
	9	Be	-0.029280	47.902	4.667	ug/L	10.667
	27	Al	-1.507122	11.037	22685.708	ug/L	26982.224
	44	Ca	0.578102	142.910	36824.995	ug/L	35932.629
	51	V	2.379047	10.939	-4764.920	ug/L	-21740.024
	52	Cr	-1.739931	4.938	20610.595	ug/L	31281.492
	55	Mn	0.134819	23.111	3988.914	ug/L	2524.698
	54	Fe	23.534077	20.626	91685.800	ug/L	78881.017
	57	Fe	-0.701636	163.249	13232.333	ug/L	13102.049
	59	Co	0.055412	7.025	615.688	ug/L	161.668
	60	Ni	0.046520	20.319	225.883	ug/L	141.649
	65	Cu	0.101662	9.481	364.374	ug/L	182.452
	68	Zn	0.031148	218.863	3021.188	ug/L	2937.493
	75	As	1.030290	2.540	20070.473	ug/L	17891.829
	82	Se	-0.332796	23.266	581.608	ug/L	622.124
	97	Mo	-0.431771	5.006	295.672	ug/L	933.719
>	72	Ge-1			1724300.926	ug/L	1688123.597
	107	Ag	-0.022144	1.091	87.000	ug/L	252.337
	111	Cd	-0.017685	10.523	14.730	ug/L	45.541
	121	Sb	-0.079682	4.863	97.334	ug/L	575.352
	135	Ba	-0.077422	10.646	179.669	ug/L	296.338
>	115	In-1			1934700.614	ug/L	1898604.670
	205	Tl	-0.126715	8.841	984.390	ug/L	2406.005
	208	Pb	0.001918	76.027	1508.717	ug/L	1357.375
>	169	Tm-1			1191378.711	ug/L	1096203.961
	50	Cr	3.720960	5.475	-380.829	ug/L	-859.802
	53	Cr	-93.898280	5.740	59245.608	ug/L	123123.596
	61	Ni	-10.597650	22.318	1895.575	ug/L	2131.060
	63	Cu	0.130355	4.309	274.345	ug/L	100.002
	67	Zn	-12.290667	6.253	1009.163	ug/L	1641.431
	66	Zn	0.451676	24.016	1521.037	ug/L	1342.622
	76	Se	-119.400797	154.644	-225645.172	ug/L	-223014.947
	77	Se	-89.656437	1.332	7756.740	ug/L	17707.535
	78	Se	-0.275412	419.728	20978.162	ug/L	20646.253

	79 Br	6655.052403	6.743	24211.171	ug/L	45723.195
>	72 Ge			1724300.926	ug/L	1688123.597
	108 Cd	-0.022275	52.365	4.322	ug/L	6.952
	114 Cd	-0.008249	11.208	68.203	ug/L	100.764
	109 Ag	-0.021527	6.339	32.334	ug/L	88.668
>	115 In			1934700.614	ug/L	1898604.670
	208 207.977	-0.000216	1163.249	783.035	ug/L	722.363
	207 Pb	0.004841	147.322	336.340	ug/L	293.338
	206 Pb	0.003690	215.088	389.342	ug/L	341.673
>	169 Tm			1191378.711	ug/L	1096203.961
	106 Pd	-0.042173	72.356	8.000	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	102.435
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.143
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.901
	Tl	205	
	Pb	208	
>	Tm-1	169	108.682
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.143
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.901
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	108.682
	Pd	106	

Sample ID: H5XGMC
Sample Description: G6E220000-358 LCS
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 22:01:50
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5XGMC.076
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 107
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1920155.581	ug/L	1922024.174
>	6	Li-1			833974.385	ug/L	803965.135
	9	Be	193.117054	4.562	41920.538	ug/L	10.667
	27	Al	1009.438862	1.276	3247425.690	ug/L	26982.224
	44	Ca	1097.072568	1.225	267022.124	ug/L	35932.629
	51	V	184.949982	2.803	1316621.338	ug/L	-21740.024
	52	Cr	193.297199	1.146	1275175.261	ug/L	31281.492
	55	Mn	183.624089	1.282	1895291.886	ug/L	2524.698
	54	Fe	1136.647913	2.903	608834.341	ug/L	78881.017
	57	Fe	1027.095698	1.378	228671.057	ug/L	13102.049
	59	Co	186.156991	0.925	1494394.218	ug/L	161.668
	60	Ni	196.297563	1.261	338566.592	ug/L	141.649
	65	Cu	204.892673	0.368	354419.385	ug/L	182.452
	68	Zn	197.261826	1.447	133612.488	ug/L	2937.493
	75	As	192.172653	1.671	348484.689	ug/L	17891.829
	82	Se	193.471187	1.734	31558.702	ug/L	622.124
	97	Mo	207.292399	2.123	312713.553	ug/L	933.719
>	72	Ge-1			1701675.077	ug/L	1688123.597
	107	Ag	49.411906	3.274	382031.736	ug/L	252.337
	111	Cd	188.680695	3.565	339637.497	ug/L	45.541
	121	Sb	45.084295	2.978	278851.410	ug/L	575.352
	135	Ba	198.748024	3.411	316020.529	ug/L	296.338
>	115	In-1			1946577.417	ug/L	1898604.670
	205	Tl	49.345766	1.585	635578.297	ug/L	2406.005
	208	Pb	180.207662	2.077	3108634.019	ug/L	1357.375
>	169	Tm-1			1186653.015	ug/L	1096203.961
	50	Cr	187.303041	3.763	23853.083	ug/L	-859.802
	53	Cr	124.306933	8.959	211099.526	ug/L	123123.596
	61	Ni	199.864461	2.228	7380.709	ug/L	2131.060
	63	Cu	202.402447	1.795	263981.268	ug/L	100.002
	67	Zn	183.822156	2.458	11510.168	ug/L	1641.431
	66	Zn	192.053092	2.579	64220.775	ug/L	1342.622
	76	Se	-711.410866	50.659	-212117.836	ug/L	-223014.947
	77	Se	124.560713	2.242	32016.294	ug/L	17707.535
	78	Se	193.488173	1.334	95959.836	ug/L	20646.253

	79 Br	6540.106340	5.988	24277.953	ug/L	45723.195
>	72 Ge			1701675.077	ug/L	1688123.597
	108 Cd	185.634353	2.592	23068.490	ug/L	6.952
	114 Cd	187.145210	2.426	787519.907	ug/L	100.764
	109 Ag	47.535372	2.474	129018.945	ug/L	88.668
>	115 In			1946577.417	ug/L	1898604.670
	208 207.977	177.461568	2.017	1577411.815	ug/L	722.363
	207 Pb	193.355122	2.491	698119.788	ug/L	293.338
	206 Pb	175.353775	2.878	833102.416	ug/L	341.673
>	169 Tm			1186653.015	ug/L	1096203.961
	106 Pd	204.508390	1.374	30726.529	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.733
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	100.803
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.527
	Tl	205	
	Pb	208	
>	Tm-1	169	108.251
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	100.803
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.527
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	108.251
	Pd	106	

Sample ID: H5XGML
Sample Description: G6E220000-358 LCSD
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 22:06:08
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5XGML.077
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 108
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1894167.993	ug/L	1922024.174
>	6	Li-1			866970.994	ug/L	803965.135
	9	Be	183.093425	4.346	41320.674	ug/L	10.667
	27	Al	995.874284	1.041	3218240.792	ug/L	26982.224
	44	Ca	1070.651539	2.834	262621.054	ug/L	35932.629
	51	V	179.450471	1.901	1282635.875	ug/L	-21740.024
	52	Cr	191.497092	1.697	1269150.950	ug/L	31281.492
	55	Mn	179.014509	1.340	1856141.445	ug/L	2524.698
	54	Fe	1127.764059	2.928	607370.001	ug/L	78881.017
	57	Fe	1013.932085	1.154	226925.589	ug/L	13102.049
	59	Co	183.528793	0.637	1479915.667	ug/L	161.668
	60	Ni	196.597023	1.338	340591.734	ug/L	141.649
	65	Cu	200.156076	1.133	347763.815	ug/L	182.452
	68	Zn	198.593335	0.577	135104.131	ug/L	2937.493
	75	As	191.041048	2.258	348061.087	ug/L	17891.829
	82	Se	193.696495	2.444	31735.547	ug/L	622.124
	97	Mo	204.054117	2.180	309220.325	ug/L	933.719
>	72	Ge-1			1709295.018	ug/L	1688123.597
	107	Ag	50.191838	2.017	378430.391	ug/L	252.337
	111	Cd	194.334319	1.537	341149.387	ug/L	45.541
	121	Sb	46.646250	1.190	281309.484	ug/L	575.352
	135	Ba	201.742124	0.585	312821.471	ug/L	296.338
>	115	In-1			1897385.147	ug/L	1898604.670
	205	Tl	49.361468	1.889	628034.029	ug/L	2406.005
	208	Pb	183.828301	2.174	3132377.545	ug/L	1357.375
>	169	Tm-1			1172248.556	ug/L	1096203.961
	50	Cr	185.548608	6.429	23714.995	ug/L	-859.802
	53	Cr	115.628150	11.600	205871.728	ug/L	123123.596
	61	Ni	192.965986	0.605	7232.027	ug/L	2131.060
	63	Cu	199.034048	1.248	260754.182	ug/L	100.002
	67	Zn	186.252470	1.523	11692.170	ug/L	1641.431
	66	Zn	190.003589	0.652	63834.389	ug/L	1342.622
	76	Se	-231.274868	31.483	-221658.271	ug/L	-223014.947
	77	Se	107.784985	4.873	30241.215	ug/L	17707.535
	78	Se	194.765408	4.789	96864.443	ug/L	20646.253

	79 Br	6863.050965	5.600	23295.400	ug/L	45723.195
>	72 Ge			1709295.018	ug/L	1688123.597
	108 Cd	189.144950	1.635	22917.761	ug/L	6.952
	114 Cd	190.732087	1.411	782595.410	ug/L	100.764
	109 Ag	48.475924	0.776	128286.294	ug/L	88.668
>	115 In			1897385.147	ug/L	1898604.670
	208 207.977	181.753006	2.393	1595679.336	ug/L	722.363
	207 Pb	197.246518	1.578	703534.550	ug/L	293.338
	206 Pb	177.513981	2.416	833163.658	ug/L	341.673
>	169 Tm			1172248.556	ug/L	1096203.961
	106 Pd	199.006893	1.046	29900.337	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	107.837
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	101.254
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.936
	Tl	205	
	Pb	208	
>	Tm-1	169	106.937
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.254
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.936
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	106.937
	Pd	106	

Sample ID: H5NJL
Sample Description: G6E180219-1
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 22:10:25
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJL.078
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 64
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1924567.975	ug/L	1922024.174
>	6	Li-1			853225.457	ug/L	803965.135
	9	Be	0.026799	106.387	17.333	ug/L	10.667
	27	Al	1031.942676	1.264	3366815.021	ug/L	26982.224
	44	Ca	1790.835614	1.250	418951.786	ug/L	35932.629
	51	V	5.220531	2.266	16113.904	ug/L	-21740.024
	52	Cr	1.361149	12.013	40862.200	ug/L	31281.492
	55	Mn	44.776085	1.976	470743.351	ug/L	2524.698
	54	Fe	1373.505800	3.421	729401.784	ug/L	78881.017
	57	Fe	1269.689995	1.058	283606.499	ug/L	13102.049
	59	Co	5.014876	2.093	40994.475	ug/L	161.668
	60	Ni	4.504919	1.792	8022.529	ug/L	141.649
	65	Cu	193.621656	2.677	339700.625	ug/L	182.452
	68	Zn	18.720887	1.342	15581.862	ug/L	2937.493
	75	As	3.028870	9.671	23574.965	ug/L	17891.829
	82	Se	0.246881	90.659	676.625	ug/L	622.124
	97	Mo	3.241172	9.930	5895.992	ug/L	933.719
>	72	Ge-1			1726311.832	ug/L	1688123.597
	107	Ag	0.090717	5.129	962.053	ug/L	252.337
	111	Cd	0.198511	11.954	404.975	ug/L	45.541
	121	Sb	0.511566	12.537	3754.144	ug/L	575.352
	135	Ba	18.736913	1.456	30140.490	ug/L	296.338
>	115	In-1			1950519.294	ug/L	1898604.670
	205	Tl	-0.098373	5.360	1332.768	ug/L	2406.005
	208	Pb	7.118973	1.179	123347.816	ug/L	1357.375
>	169	Tm-1			1178180.732	ug/L	1096203.961
	50	Cr	13.855436	7.120	974.903	ug/L	-859.802
	53	Cr	-94.640465	8.374	58706.425	ug/L	123123.596
	61	Ni	-4.418747	77.392	2061.013	ug/L	2131.060
	63	Cu	192.616641	5.350	254734.471	ug/L	100.002
	67	Zn	6.320825	47.041	2020.655	ug/L	1641.431
	66	Zn	18.310911	5.992	7450.210	ug/L	1342.622
	76	Se	-96.993564	432.531	-226369.140	ug/L	-223014.947
	77	Se	-94.960658	4.913	7147.381	ug/L	17707.535
	78	Se	-1.773342	73.393	20409.134	ug/L	20646.253

	79 Br	5648.291410	8.332	27621.853	ug/L	45723.195
>	72 Ge			1726311.832	ug/L	1688123.597
	108 Cd	0.209156	94.691	33.346	ug/L	6.952
	114 Cd	0.179891	7.794	862.356	ug/L	100.764
	109 Ag	0.090431	5.453	337.018	ug/L	88.668
>	115 In			1950519.294	ug/L	1898604.670
	208 207.977	7.329485	1.432	65431.756	ug/L	722.363
	207 Pb	7.495654	1.567	27179.493	ug/L	293.338
	206 Pb	6.438994	1.059	30736.566	ug/L	341.673
>	169 Tm			1178180.732	ug/L	1096203.961
	106 Pd	1.220807	7.098	197.669	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	106.127
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.262
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.734
	Tl	205	
	Pb	208	
>	Tm-1	169	107.478
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.262
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.734
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	107.478
	Pd	106	

Sample ID: H5NJLP5
Sample Description: G6E180219-1 5X
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 22:14:41
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJLP5.079
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 65
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1905604.625	ug/L	1922024.174
⌈>	6	Li-1			832975.854	ug/L	803965.135
⌊	9	Be	-0.020320	43.875	6.667	ug/L	10.667
⌈	27	Al	198.871411	3.333	683517.342	ug/L	26982.224
|	44	Ca	356.825897	2.260	114987.327	ug/L	35932.629
|	51	V	1.341479	12.721	-12605.348	ug/L	-21740.024
|	52	Cr	-0.276779	9.277	30739.902	ug/L	31281.492
|	55	Mn	8.891126	1.798	97332.854	ug/L	2524.698
|	54	Fe	262.714847	1.099	208582.024	ug/L	78881.017
|	57	Fe	248.515368	2.082	67521.055	ug/L	13102.049
|	59	Co	0.979508	1.343	8292.595	ug/L	161.668
|	60	Ni	0.928803	4.329	1802.071	ug/L	141.649
|	65	Cu	38.948953	3.220	69764.430	ug/L	182.452
|	68	Zn	5.730172	4.270	6981.118	ug/L	2937.493
|	75	As	1.302678	27.477	20948.903	ug/L	17891.829
|	82	Se	-0.479097	24.906	568.811	ug/L	622.124
|	97	Mo	0.186287	20.193	1262.091	ug/L	933.719
⌊>	72	Ge-1			1758214.406	ug/L	1688123.597
⌈	107	Ag	0.019015	11.362	399.676	ug/L	252.337
|	111	Cd	0.031303	30.266	101.418	ug/L	45.541
|	121	Sb	0.139931	10.179	1431.784	ug/L	575.352
|	135	Ba	3.778456	2.730	6215.207	ug/L	296.338
⌊>	115	In-1			1918263.017	ug/L	1898604.670
⌈	205	Tl	-0.163741	1.521	490.680	ug/L	2406.005
|	208	Pb	1.436716	0.930	25550.926	ug/L	1357.375
⌊>	169	Tm-1			1155262.354	ug/L	1096203.961
⌈	50	Cr	3.530532	11.971	-414.155	ug/L	-859.802
|	53	Cr	-38.817240	11.084	100177.790	ug/L	123123.596
|	61	Ni	-10.494138	41.298	1935.601	ug/L	2131.060
|	63	Cu	39.379191	0.315	53153.912	ug/L	100.002
|	67	Zn	2.796207	41.705	1864.223	ug/L	1641.431
|	66	Zn	5.686606	1.644	3321.765	ug/L	1342.622
|	76	Se	-46.829872	132.360	-231407.467	ug/L	-223014.947
|	77	Se	-39.453585	4.921	13806.288	ug/L	17707.535
|	78	Se	-1.370654	44.670	20952.570	ug/L	20646.253

	79 Br	1424.667495	20.884	42707.856	ug/L	45723.195
>	72 Ge			1758214.406	ug/L	1688123.597
	108 Cd	-0.011344	91.512	5.621	ug/L	6.952
	114 Cd	0.030368	3.248	227.724	ug/L	100.764
	109 Ag	0.016747	20.963	134.336	ug/L	88.668
>	115 In			1918263.017	ug/L	1898604.670
	208 207.977	1.474491	1.095	13515.765	ug/L	722.363
	207 Pb	1.494721	0.726	5561.767	ug/L	293.338
	206 Pb	1.321984	1.561	6473.394	ug/L	341.673
>	169 Tm			1155262.354	ug/L	1096203.961
	106 Pd	0.179790	31.932	41.333	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.608
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	104.152
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.035
	Tl	205	
	Pb	208	
>	Tm-1	169	105.388
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	104.152
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.035
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	105.388
	Pd	106	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: H5NJLZ
Sample Description: G6E180219-1 PS
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 22:18:58
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJLZ.080
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 66
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1846526.700	ug/L	1922024.174
>	6	Li-1			842845.359	ug/L	803965.135
	9	Be	200.507035	2.720	44013.096	ug/L	10.667
	27	Al	2040.473301	0.737	6530686.600	ug/L	26982.224
	44	Ca	2922.831255	0.849	650634.439	ug/L	35932.629
	51	V	185.358951	1.213	1318771.114	ug/L	-21740.024
	52	Cr	199.212378	0.534	1312000.585	ug/L	31281.492
	55	Mn	226.940523	1.015	2340039.517	ug/L	2524.698
	54	Fe	2419.747183	1.467	1205365.092	ug/L	78881.017
	57	Fe	2266.951570	1.983	488326.979	ug/L	13102.049
	59	Co	192.474899	1.122	1544042.821	ug/L	161.668
	60	Ni	202.661419	0.329	349235.385	ug/L	141.649
	65	Cu	390.280297	0.468	674357.100	ug/L	182.452
	68	Zn	225.198190	0.287	151992.845	ug/L	2937.493
	75	As	203.881604	1.509	368269.228	ug/L	17891.829
	82	Se	200.355420	2.112	32629.349	ug/L	622.124
	97	Mo	216.376828	1.689	326092.239	ug/L	933.719
>	72	Ge-1			1700233.296	ug/L	1688123.597
	107	Ag	52.068368	0.769	390416.982	ug/L	252.337
	111	Cd	202.320169	1.669	353210.978	ug/L	45.541
	121	Sb	48.539084	1.022	291096.448	ug/L	575.352
	135	Ba	228.620323	0.790	352516.773	ug/L	296.338
>	115	In-1			1886993.567	ug/L	1898604.670
	205	Tl	52.058132	1.073	648377.624	ug/L	2406.005
	208	Pb	198.504353	1.577	3311739.916	ug/L	1357.375
>	169	Tm-1			1147705.097	ug/L	1096203.961
	50	Cr	196.511123	3.141	25043.082	ug/L	-859.802
	53	Cr	131.803544	7.845	216101.206	ug/L	123123.596
	61	Ni	204.211619	5.233	7485.291	ug/L	2131.060
	63	Cu	376.059156	1.972	489922.057	ug/L	100.002
	67	Zn	210.787368	2.314	12944.096	ug/L	1641.431
	66	Zn	219.359016	1.022	73102.693	ug/L	1342.622
	76	Se	-379.789906	140.106	-217906.786	ug/L	-223014.947
	77	Se	122.084217	4.858	31702.158	ug/L	17707.535
	78	Se	204.376375	2.562	100091.819	ug/L	20646.253

	79 Br	5368.612134	8.908	28154.746	ug/L	45723.195
>	72 Ge			1700233.296	ug/L	1688123.597
	108 Cd	197.597734	1.372	23810.700	ug/L	6.952
	114 Cd	200.959311	2.169	820013.377	ug/L	100.764
	109 Ag	51.604452	2.945	135807.999	ug/L	88.668
>	115 In			1886993.567	ug/L	1898604.670
	208 207.977	196.255446	1.862	1686993.452	ug/L	722.363
	207 Pb	212.252616	1.164	741214.539	ug/L	293.338
	206 Pb	192.263974	1.838	883531.924	ug/L	341.673
>	169 Tm			1147705.097	ug/L	1096203.961
	106 Pd	212.487525	0.428	31924.801	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	104.836
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	100.717
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.388
	Tl	205	
	Pb	208	
>	Tm-1	169	104.698
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	100.717
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.388
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.698
	Pd	106	

Sample ID: H5NJM
Sample Description: G6E180219-2
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 22:23:14
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJM.081
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 67
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1860418.151	ug/L	1922024.174
>	6	Li-1			820603.866	ug/L	803965.135
	9	Be	0.017613	57.354	14.667	ug/L	10.667
	27	Al	753.751790	3.167	2441933.833	ug/L	26982.224
	44	Ca	1391.291871	4.791	330255.798	ug/L	35932.629
	51	V	4.391792	1.480	9915.552	ug/L	-21740.024
	52	Cr	0.898377	12.512	37474.746	ug/L	31281.492
	55	Mn	32.559917	1.512	339731.065	ug/L	2524.698
	54	Fe	979.420230	2.144	538194.776	ug/L	78881.017
	57	Fe	927.664387	3.299	208705.318	ug/L	13102.049
	59	Co	1.206858	0.809	9895.594	ug/L	161.668
	60	Ni	3.000025	4.585	5335.902	ug/L	141.649
	65	Cu	151.350734	3.462	262942.831	ug/L	182.452
	68	Zn	14.682422	2.729	12741.270	ug/L	2937.493
	75	As	2.470670	10.295	22380.986	ug/L	17891.829
	82	Se	0.108026	145.926	647.047	ug/L	622.124
	97	Mo	1.821613	8.423	3698.117	ug/L	933.719
>	72	Ge-1			1709604.875	ug/L	1688123.597
	107	Ag	0.067991	8.873	766.367	ug/L	252.337
	111	Cd	0.158403	1.277	324.601	ug/L	45.541
	121	Sb	0.481566	11.627	3486.366	ug/L	575.352
	135	Ba	15.042791	1.953	23666.631	ug/L	296.338
>	115	In-1			1903311.657	ug/L	1898604.670
	205	Tl	-0.126096	0.327	961.386	ug/L	2406.005
	208	Pb	5.374280	1.144	91710.800	ug/L	1357.375
>	169	Tm-1			1156015.508	ug/L	1096203.961
	50	Cr	13.317542	16.808	890.995	ug/L	-859.802
	53	Cr	-95.683421	5.626	57473.468	ug/L	123123.596
	61	Ni	-4.943653	97.397	2027.993	ug/L	2131.060
	63	Cu	149.812020	0.713	196321.711	ug/L	100.002
	67	Zn	2.189348	51.438	1780.174	ug/L	1641.431
	66	Zn	14.379751	3.659	6086.589	ug/L	1342.622
	76	Se	-82.034395	381.447	-224460.509	ug/L	-223014.947
	77	Se	-97.095729	2.531	6839.206	ug/L	17707.535
	78	Se	-1.510301	85.229	20311.664	ug/L	20646.253

	79 Br	5831.388219	4.729	26765.006	ug/L	45723.195
>	72 Ge			1709604.875	ug/L	1688123.597
	108 Cd	0.180723	65.493	29.134	ug/L	6.952
	114 Cd	0.146806	2.389	704.972	ug/L	100.764
	109 Ag	0.061461	3.165	252.010	ug/L	88.668
>	115 In			1903311.657	ug/L	1898604.670
	208 207.977	5.522346	1.927	48555.355	ug/L	722.363
	207 Pb	5.589790	0.279	19965.086	ug/L	293.338
	206 Pb	4.933571	0.617	23190.358	ug/L	341.673
>	169 Tm			1156015.508	ug/L	1096203.961
	106 Pd	0.916713	6.929	152.001	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	102.070
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	101.272
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.248
	Tl	205	
	Pb	208	
>	Tm-1	169	105.456
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.272
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.248
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	105.456
	Pd	106	

Sample ID: H5NJN
Sample Description: G6E180219-3
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 22:27:31
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJN.082
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 68
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1910990.572	ug/L	1922024.174
>	6	Li-1			861438.620	ug/L	803965.135
	9	Be	-0.008724	202.492	9.333	ug/L	10.667
	27	Al	532.536114	0.155	1721021.030	ug/L	26982.224
	44	Ca	1081.150943	1.763	262883.749	ug/L	35932.629
	51	V	4.218742	2.511	8604.722	ug/L	-21740.024
	52	Cr	0.825455	20.229	36723.913	ug/L	31281.492
	55	Mn	21.477757	0.777	223278.052	ug/L	2524.698
	54	Fe	732.240883	3.941	419188.785	ug/L	78881.017
	57	Fe	656.754038	1.479	150530.754	ug/L	13102.049
	59	Co	0.574307	3.700	4758.294	ug/L	161.668
	60	Ni	2.913913	3.384	5149.486	ug/L	141.649
	65	Cu	108.265677	0.659	186812.849	ug/L	182.452
	68	Zn	12.789327	3.333	11396.084	ug/L	2937.493
	75	As	1.655946	9.803	20820.438	ug/L	17891.829
	82	Se	-0.039651	893.260	619.578	ug/L	622.124
	97	Mo	0.113416	33.425	1108.070	ug/L	933.719
>	72	Ge-1			1696704.726	ug/L	1688123.597
	107	Ag	0.042110	13.207	575.686	ug/L	252.337
	111	Cd	0.073184	39.744	175.409	ug/L	45.541
	121	Sb	0.251102	5.243	2108.588	ug/L	575.352
	135	Ba	13.102112	3.118	20806.049	ug/L	296.338
>	115	In-1			1917374.857	ug/L	1898604.670
	205	Tl	-0.155113	1.765	604.688	ug/L	2406.005
	208	Pb	3.474915	1.730	60421.088	ug/L	1357.375
>	169	Tm-1			1167893.768	ug/L	1096203.961
	50	Cr	7.894816	11.326	175.606	ug/L	-859.802
	53	Cr	-92.419359	8.226	59260.450	ug/L	123123.596
	61	Ni	-6.539155	102.243	1969.289	ug/L	2131.060
	63	Cu	108.886603	2.727	141616.019	ug/L	100.002
	67	Zn	0.714326	341.643	1687.123	ug/L	1641.431
	66	Zn	12.317823	4.529	5368.609	ug/L	1342.622
	76	Se	-30.788288	973.420	-223642.949	ug/L	-223014.947
	77	Se	-92.681676	4.983	7283.793	ug/L	17707.535
	78	Se	-0.732055	186.653	20463.023	ug/L	20646.253

	79 Br	5705.976808	8.046	26956.736	ug/L	45723.195
>	72 Ge			1696704.726	ug/L	1688123.597
	108 Cd	0.200338	129.358	31.785	ug/L	6.952
	114 Cd	0.069071	16.887	388.266	ug/L	100.764
	109 Ag	0.041127	18.430	199.340	ug/L	88.668
>	115 In			1917374.857	ug/L	1898604.670
	208 207.977	3.579693	1.445	32071.676	ug/L	722.363
	207 Pb	3.603074	2.871	13112.156	ug/L	293.338
	206 Pb	3.181550	1.589	15237.256	ug/L	341.673
>	169 Tm			1167893.768	ug/L	1096203.961
	106 Pd	0.767996	6.622	129.668	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	107.149
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	100.508
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.989
	Tl	205	
	Pb	208	
>	Tm-1	169	106.540
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	100.508
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.989
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	106.540
	Pd	106	

Sample ID: H5NJP
Sample Description: G6E180219-4
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 22:31:49
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJP.083
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 69
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1913089.469	ug/L	1922024.174
>	6	Li-1			832902.784	ug/L	803965.135
	9	Be	0.010990	207.407	13.333	ug/L	10.667
	27	Al	636.515369	0.251	2080133.670	ug/L	26982.224
	44	Ca	1252.447612	1.579	302971.708	ug/L	35932.629
	51	V	4.184421	3.874	8460.199	ug/L	-21740.024
	52	Cr	0.725693	18.332	36598.088	ug/L	31281.492
	55	Mn	26.624720	3.249	279981.736	ug/L	2524.698
	54	Fe	889.921824	3.076	499300.646	ug/L	78881.017
	57	Fe	806.928706	0.786	184483.827	ug/L	13102.049
	59	Co	0.599030	1.843	5025.109	ug/L	161.668
	60	Ni	2.480724	0.525	4467.646	ug/L	141.649
	65	Cu	114.925638	2.149	201020.543	ug/L	182.452
	68	Zn	17.514519	2.446	14720.375	ug/L	2937.493
	75	As	1.945151	23.258	21613.273	ug/L	17891.829
	82	Se	0.312316	41.151	684.365	ug/L	622.124
	97	Mo	0.050499	56.852	1028.060	ug/L	933.719
>	72	Ge-1			1720222.203	ug/L	1688123.597
	107	Ag	0.041953	14.933	571.352	ug/L	252.337
	111	Cd	0.124214	6.992	264.889	ug/L	45.541
	121	Sb	0.240519	2.828	2033.903	ug/L	575.352
	135	Ba	16.296424	2.920	25680.300	ug/L	296.338
>	115	In-1			1908343.082	ug/L	1898604.670
	205	Tl	-0.153406	0.395	620.022	ug/L	2406.005
	208	Pb	3.624306	1.664	62304.493	ug/L	1357.375
>	169	Tm-1			1155856.366	ug/L	1096203.961
	50	Cr	9.893334	12.865	443.314	ug/L	-859.802
	53	Cr	-91.961949	7.031	60475.570	ug/L	123123.596
	61	Ni	-6.182663	32.444	2008.312	ug/L	2131.060
	63	Cu	114.189247	0.861	150615.869	ug/L	100.002
	67	Zn	4.573669	42.664	1920.925	ug/L	1641.431
	66	Zn	16.937932	3.690	6972.105	ug/L	1342.622
	76	Se	120.415307	70.890	-229443.394	ug/L	-223014.947
	77	Se	-91.948051	3.435	7475.573	ug/L	17707.535
	78	Se	-0.718231	118.270	20757.080	ug/L	20646.253

	79 Br	5877.042242	3.889	26771.995	ug/L	45723.195
>	72 Ge			1720222.203	ug/L	1688123.597
	108 Cd	0.233358	32.577	35.525	ug/L	6.952
	114 Cd	0.104893	6.600	533.766	ug/L	100.764
	109 Ag	0.039958	17.579	195.339	ug/L	88.668
>	115 In			1908343.082	ug/L	1898604.670
	208 207.977	3.709109	2.531	32857.587	ug/L	722.363
	207 Pb	3.772225	0.706	13571.517	ug/L	293.338
	206 Pb	3.353289	0.803	15875.389	ug/L	341.673
>	169 Tm			1155856.366	ug/L	1096203.961
	106 Pd	0.974424	12.699	160.668	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.599
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	101.901
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.513
	Tl	205	
	Pb	208	
>	Tm-1	169	105.442
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.901
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.513
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	105.442
	Pd	106	

Sample ID: H5NJQ
Sample Description: G6E180219-5
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 22:36:07
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJQ.084
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 70
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1880820.894	ug/L	1922024.174
>	6	Li-1			808186.601	ug/L	803965.135
	9	Be	-0.017697	25.966	7.000	ug/L	10.667
	27	Al	794.153486	2.232	2579814.647	ug/L	26982.224
	44	Ca	1589.659941	2.745	373460.749	ug/L	35932.629
	51	V	4.518844	4.360	10897.644	ug/L	-21740.024
	52	Cr	1.180854	15.310	39423.304	ug/L	31281.492
	55	Mn	32.404339	1.317	339149.615	ug/L	2524.698
	54	Fe	1122.192417	0.876	606839.297	ug/L	78881.017
	57	Fe	1014.262190	2.989	227678.709	ug/L	13102.049
	59	Co	0.746588	1.268	6203.532	ug/L	161.668
	60	Ni	2.531838	1.537	4541.954	ug/L	141.649
	65	Cu	69.077004	2.004	120518.651	ug/L	182.452
	68	Zn	17.681324	4.271	14780.475	ug/L	2937.493
	75	As	2.761215	10.279	22954.788	ug/L	17891.829
	82	Se	1.139922	4.593	815.704	ug/L	622.124
	97	Mo	1.601376	0.890	3375.985	ug/L	933.719
>	72	Ge-1			1714929.348	ug/L	1688123.597
	107	Ag	0.019486	17.052	394.342	ug/L	252.337
	111	Cd	0.158410	11.458	319.205	ug/L	45.541
	121	Sb	0.192356	4.469	1710.834	ug/L	575.352
	135	Ba	16.121410	3.392	24948.190	ug/L	296.338
>	115	In-1			1873925.019	ug/L	1898604.670
	205	Tl	-0.135658	1.579	822.372	ug/L	2406.005
	208	Pb	5.622521	2.271	93678.306	ug/L	1357.375
>	169	Tm-1			1129744.081	ug/L	1096203.961
	50	Cr	11.710238	7.753	682.296	ug/L	-859.802
	53	Cr	-90.030154	8.005	61608.370	ug/L	123123.596
	61	Ni	-9.036695	26.744	1927.262	ug/L	2131.060
	63	Cu	70.417724	3.243	92591.146	ug/L	100.002
	67	Zn	4.670964	57.162	1918.257	ug/L	1641.431
	66	Zn	17.471403	3.693	7126.119	ug/L	1342.622
	76	Se	9.900295	1518.300	-226763.688	ug/L	-223014.947
	77	Se	-89.796990	3.782	7696.372	ug/L	17707.535
	78	Se	-0.091025	877.892	20934.368	ug/L	20646.253

	79 Br	5931.254472	5.219	26500.087	ug/L	45723.195
	72 Ge			1714929.348	ug/L	1688123.597
	108 Cd	0.361177	19.953	49.997	ug/L	6.952
	114 Cd	0.154375	6.437	724.485	ug/L	100.764
	109 Ag	0.017125	23.138	132.336	ug/L	88.668
	115 In			1873925.019	ug/L	1898604.670
	208 207.977	5.793581	2.061	49738.976	ug/L	722.363
	207 Pb	5.892088	2.747	20542.085	ug/L	293.338
	206 Pb	5.097729	3.056	23397.245	ug/L	341.673
	169 Tm			1129744.081	ug/L	1096203.961
	106 Pd	0.892296	10.668	148.335	ug/L	14.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	100.525
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	101.588
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	98.700
Tl	205	
Pb	208	
Tm-1	169	103.060
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	101.588
Cd	108	
Cd	114	
Ag	109	
In	115	98.700
207.977	208	
Pb	207	
Pb	206	
Tm	169	103.060
Pd	106	

Sample ID: CCV 11
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 22:40:26
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCV 11.085
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1899355.042	ug/L	1922024.174
>	6	Li-1			835738.190	ug/L	803965.135
	9	Be	97.741810	2.202	21277.851	ug/L	10.667
	27	Al	4654.578963	0.579	15500751.761	ug/L	26982.224
	44	Ca	4974.593487	0.129	1128406.243	ug/L	35932.629
	51	V	100.845055	3.433	737672.556	ug/L	-21740.024
	52	Cr	99.599520	1.500	700511.035	ug/L	31281.492
	55	Mn	97.836514	1.421	1053506.939	ug/L	2524.698
	54	Fe	4963.782390	0.967	2491772.158	ug/L	78881.017
	57	Fe	5040.550817	0.689	1115780.144	ug/L	13102.049
	59	Co	99.148176	0.795	829533.072	ug/L	161.668
	60	Ni	97.733414	1.350	175740.106	ug/L	141.649
	65	Cu	99.366383	2.931	179172.404	ug/L	182.452
	68	Zn	99.520569	1.286	71774.882	ug/L	2937.493
	75	As	100.675550	1.874	199176.362	ug/L	17891.829
	82	Se	100.577218	1.162	17411.143	ug/L	622.124
	97	Mo	201.175219	1.589	316281.956	ug/L	933.719
>	72	Ge-1			1773232.962	ug/L	1688123.597
	107	Ag	51.370640	1.813	388357.453	ug/L	252.337
	111	Cd	100.919308	1.697	177664.889	ug/L	45.541
	121	Sb	50.350806	2.052	304420.488	ug/L	575.352
	135	Ba	100.850192	1.543	156954.557	ug/L	296.338
>	115	In-1			1902822.310	ug/L	1898604.670
	205	Tl	47.917332	1.905	603497.461	ug/L	2406.005
	208	Pb	96.375651	0.211	1626282.722	ug/L	1357.375
>	169	Tm-1			1160127.936	ug/L	1096203.961
	50	Cr	104.617816	12.633	13482.031	ug/L	-859.802
	53	Cr	91.427429	7.154	195924.186	ug/L	123123.596
	61	Ni	96.763384	13.482	4876.480	ug/L	2131.060
	63	Cu	100.039865	2.151	136004.743	ug/L	100.002
	67	Zn	101.829109	1.582	7412.783	ug/L	1641.431
	66	Zn	97.316623	3.708	34599.575	ug/L	1342.622
	76	Se	-98.417177	166.472	-232445.303	ug/L	-223014.947
	77	Se	97.043921	1.633	30098.862	ug/L	17707.535
	78	Se	102.243292	1.683	63064.567	ug/L	20646.253

	79 Br	279.389465	102.812	47050.392	ug/L	45723.195
>	72 Ge			1773232.962	ug/L	1688123.597
	108 Cd	103.075909	2.839	12525.208	ug/L	6.952
	114 Cd	100.947388	1.582	415373.873	ug/L	100.764
	109 Ag	50.562610	0.410	134184.151	ug/L	88.668
>	115 In			1902822.310	ug/L	1898604.670
	208 207.977	96.357517	0.901	837806.005	ug/L	722.363
	207 Pb	95.929669	1.138	338822.961	ug/L	293.338
	206 Pb	96.748455	1.091	449653.757	ug/L	341.673
>	169 Tm			1160127.936	ug/L	1096203.961
	106 Pd	104.849491	0.935	15760.181	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.952
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	105.042
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.222
	Tl	205	
	Pb	208	
>	Tm-1	169	105.831
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	105.042
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.222
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	105.831
	Pd	106	

Sample ID: CCB 11
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 22:44:47
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCB 11.086
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1948231.597	ug/L	1922024.174
>	6	Li-1			834905.875	ug/L	803965.135
	9	Be	-0.000572	3269.617	11.000	ug/L	10.667
	27	Al	0.171854	93.864	29104.664	ug/L	26982.224
	44	Ca	5.412143	51.576	39187.898	ug/L	35932.629
	51	V	0.550976	25.797	-18807.395	ug/L	-21740.024
	52	Cr	-0.374693	50.425	30544.938	ug/L	31281.492
	55	Mn	-0.010893	82.701	2551.372	ug/L	2524.698
	54	Fe	-1.292447	466.039	82764.100	ug/L	78881.017
	57	Fe	0.770317	79.321	14023.762	ug/L	13102.049
	59	Co	0.012961	17.331	280.004	ug/L	161.668
	60	Ni	-0.002395	277.002	145.393	ug/L	141.649
	65	Cu	0.000986	1100.068	194.676	ug/L	182.452
	68	Zn	-0.603395	23.241	2686.413	ug/L	2937.493
	75	As	0.984614	11.528	20696.459	ug/L	17891.829
	82	Se	-0.508667	33.818	572.608	ug/L	622.124
	97	Mo	0.057789	288.832	1077.736	ug/L	933.719
>	72	Ge-1			1785070.745	ug/L	1688123.597
	107	Ag	0.013362	50.900	360.674	ug/L	252.337
	111	Cd	0.005247	129.923	55.979	ug/L	45.541
	121	Sb	0.001981	659.745	600.021	ug/L	575.352
	135	Ba	0.004319	225.780	310.006	ug/L	296.338
>	115	In-1			1941537.192	ug/L	1898604.670
	205	Tl	0.034679	124.983	2991.856	ug/L	2406.005
	208	Pb	0.015684	13.741	1706.397	ug/L	1357.375
>	169	Tm-1			1163787.921	ug/L	1096203.961
	50	Cr	0.392115	52.407	-854.762	ug/L	-859.802
	53	Cr	-17.721486	31.071	117181.254	ug/L	123123.596
	61	Ni	-13.064089	25.519	1895.242	ug/L	2131.060
	63	Cu	0.013614	112.020	124.336	ug/L	100.002
	67	Zn	-0.163184	1512.786	1725.811	ug/L	1641.431
	66	Zn	-0.739217	38.804	1165.552	ug/L	1342.622
	76	Se	205.390784	155.148	-239713.460	ug/L	-223014.947
	77	Se	-16.214957	22.159	16788.938	ug/L	17707.535
	78	Se	-0.321061	175.986	21701.332	ug/L	20646.253

	79 Br	533.574698	48.019	46479.942	ug/L	45723.195
>	72 Ge			1785070.745	ug/L	1688123.597
	108 Cd	0.029768	56.514	10.804	ug/L	6.952
	114 Cd	0.012020	14.353	153.571	ug/L	100.764
	109 Ag	0.013760	33.466	128.003	ug/L	88.668
>	115 In			1941537.192	ug/L	1898604.670
	208 207.977	0.012561	25.581	876.377	ug/L	722.363
	207 Pb	0.015876	48.636	367.674	ug/L	293.338
	206 Pb	0.021379	4.251	462.346	ug/L	341.673
>	169 Tm			1163787.921	ug/L	1096203.961
	106 Pd	-0.037734	26.956	8.667	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.849
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	105.743
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.261
	Tl	205	
	Pb	208	
>	Tm-1	169	106.165
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	105.743
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.261
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	106.165
	Pd	106	

Sample ID: CCV 12
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 22:49:08
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCV 12.087
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1896162.207	ug/L	1922024.174
>	6	Li-1			855330.752	ug/L	803965.135
	9	Be	95.496678	0.999	21289.206	ug/L	10.667
	27	Al	4680.387209	2.884	15572814.229	ug/L	26982.224
	44	Ca	5063.089376	1.067	1147009.375	ug/L	35932.629
	51	V	99.008234	4.005	723354.630	ug/L	-21740.024
	52	Cr	100.342551	3.249	704911.748	ug/L	31281.492
	55	Mn	97.132712	3.014	1045069.755	ug/L	2524.698
	54	Fe	5035.544917	4.090	2524096.160	ug/L	78881.017
	57	Fe	4955.916680	3.206	1096182.368	ug/L	13102.049
	59	Co	98.702226	3.258	824988.848	ug/L	161.668
	60	Ni	96.849523	2.638	173985.856	ug/L	141.649
	65	Cu	100.342868	2.107	180823.412	ug/L	182.452
	68	Zn	100.429116	2.297	72343.500	ug/L	2937.493
	75	As	101.259304	2.519	200072.067	ug/L	17891.829
	82	Se	100.977492	3.378	17461.227	ug/L	622.124
	97	Mo	201.953735	1.420	317314.296	ug/L	933.719
>	72	Ge-1			1772246.480	ug/L	1688123.597
	107	Ag	51.126665	1.096	392952.581	ug/L	252.337
	111	Cd	99.542411	2.166	178161.570	ug/L	45.541
	121	Sb	49.930943	0.390	306933.976	ug/L	575.352
	135	Ba	100.152884	0.699	158466.086	ug/L	296.338
>	115	In-1			1934292.735	ug/L	1898604.670
	205	Tl	47.685418	1.514	602662.734	ug/L	2406.005
	208	Pb	96.068861	1.870	1626513.688	ug/L	1357.375
>	169	Tm-1			1164178.973	ug/L	1096203.961
	50	Cr	99.173300	12.268	12714.232	ug/L	-859.802
	53	Cr	94.153319	9.740	197748.215	ug/L	123123.596
	61	Ni	92.143402	3.529	4748.940	ug/L	2131.060
	63	Cu	101.300769	5.234	137573.600	ug/L	100.002
	67	Zn	100.650650	5.706	7338.944	ug/L	1641.431
	66	Zn	97.886148	2.255	34772.727	ug/L	1342.622
	76	Se	-351.144516	104.105	-227654.624	ug/L	-223014.947
	77	Se	102.860311	10.329	30756.807	ug/L	17707.535
	78	Se	102.081829	5.462	62942.010	ug/L	20646.253

	79 Br	583.375267	93.276	45950.330	ug/L	45723.195
>	72 Ge			1772246.480	ug/L	1688123.597
	108 Cd	100.648350	1.978	12434.756	ug/L	6.952
	114 Cd	100.363161	2.248	419858.835	ug/L	100.764
	109 Ag	50.422514	1.662	136025.811	ug/L	88.668
>	115 In			1934292.735	ug/L	1898604.670
	208 207.977	96.300509	1.466	840108.745	ug/L	722.363
	207 Pb	95.303926	1.933	337747.199	ug/L	293.338
	206 Pb	96.216826	2.742	448657.744	ug/L	341.673
>	169 Tm			1164178.973	ug/L	1096203.961
	106 Pd	107.364545	3.689	16137.882	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	106.389
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	104.983
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.880
	Tl	205	
	Pb	208	
>	Tm-1	169	106.201
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	104.983
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.880
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	106.201
	Pd	106	

Sample ID: CCB 12
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 22:53:29
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCB 12.088
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1963588.612	ug/L	1922024.174
>	6	Li-1			845522.985	ug/L	803965.135
	9	Be	-0.004238	534.971	10.333	ug/L	10.667
	27	Al	0.434068	16.984	29976.943	ug/L	26982.224
	44	Ca	4.003276	58.077	38864.459	ug/L	35932.629
	51	V	1.292982	39.048	-13109.992	ug/L	-21740.024
	52	Cr	-0.302159	14.013	31034.636	ug/L	31281.492
	55	Mn	-0.009380	25.854	2567.377	ug/L	2524.698
	54	Fe	-6.190787	80.900	80334.500	ug/L	78881.017
	57	Fe	1.617329	20.911	14208.809	ug/L	13102.049
	59	Co	0.015254	28.962	299.005	ug/L	161.668
	60	Ni	-0.002632	515.729	144.686	ug/L	141.649
	65	Cu	-0.001436	454.628	190.465	ug/L	182.452
	68	Zn	-0.593638	32.973	2692.415	ug/L	2937.493
	75	As	0.770006	20.862	20303.282	ug/L	17891.829
	82	Se	-0.464381	14.099	579.779	ug/L	622.124
	97	Mo	0.087135	144.171	1127.074	ug/L	933.719
>	72	Ge-1			1784735.594	ug/L	1688123.597
	107	Ag	0.015645	25.628	382.342	ug/L	252.337
	111	Cd	0.007591	48.680	60.737	ug/L	45.541
	121	Sb	-0.011311	55.123	523.682	ug/L	575.352
	135	Ba	0.004236	129.790	312.672	ug/L	296.338
>	115	In-1			1959545.473	ug/L	1898604.670
	205	Tl	0.069383	54.972	3396.336	ug/L	2406.005
	208	Pb	0.018488	21.389	1735.067	ug/L	1357.375
>	169	Tm-1			1151660.784	ug/L	1096203.961
	50	Cr	0.477810	36.687	-843.127	ug/L	-859.802
	53	Cr	-16.132178	3.805	118335.070	ug/L	123123.596
	61	Ni	-10.866673	32.858	1953.277	ug/L	2131.060
	63	Cu	0.003708	227.496	110.669	ug/L	100.002
	67	Zn	1.371137	117.361	1813.194	ug/L	1641.431
	66	Zn	-0.669363	40.494	1188.560	ug/L	1342.622
	76	Se	-148.522039	202.031	-233075.565	ug/L	-223014.947
	77	Se	-13.518378	12.671	17107.369	ug/L	17707.535
	78	Se	-0.453433	363.526	21632.747	ug/L	20646.253

	79 Br	511.243780	40.475	46546.531	ug/L	45723.195
>	72 Ge			1784735.594	ug/L	1688123.597
	108 Cd	-0.013489	123.334	5.495	ug/L	6.952
	114 Cd	0.015469	23.943	169.550	ug/L	100.764
	109 Ag	0.014577	5.366	131.336	ug/L	88.668
>	115 In			1959545.473	ug/L	1898604.670
	208 207.977	0.017705	12.414	911.381	ug/L	722.363
	207 Pb	0.017340	68.709	368.674	ug/L	293.338
	206 Pb	0.020826	15.818	455.012	ug/L	341.673
>	169 Tm			1151660.784	ug/L	1096203.961
	106 Pd	-0.011098	341.175	12.667	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	105.169
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	105.723
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	103.210
	Tl	205	
	Pb	208	
>	Tm-1	169	105.059
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	105.723
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	103.210
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	105.059
	Pd	106	

Sample ID: H5NJR
Sample Description: G6E180219-6
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 22:57:48
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJR.089
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 71
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1875932.191	ug/L	1922024.174
>	6	Li-1			810503.674	ug/L	803965.135
	9	Be	0.010728	122.893	13.000	ug/L	10.667
	27	Al	895.071247	2.273	2903517.159	ug/L	26982.224
	44	Ca	1590.711823	1.853	373610.713	ug/L	35932.629
	51	V	4.841958	7.869	13220.852	ug/L	-21740.024
	52	Cr	1.506852	9.709	41536.747	ug/L	31281.492
	55	Mn	36.110999	2.017	377522.896	ug/L	2524.698
	54	Fe	1226.180215	1.487	655376.640	ug/L	78881.017
	57	Fe	1145.353042	0.581	255381.157	ug/L	13102.049
	59	Co	0.724714	1.603	6024.073	ug/L	161.668
	60	Ni	2.827233	2.834	5053.624	ug/L	141.649
	65	Cu	73.493607	2.730	128162.829	ug/L	182.452
	68	Zn	19.342977	1.353	15889.415	ug/L	2937.493
	75	As	2.735981	8.842	22912.850	ug/L	17891.829
	82	Se	0.520736	26.271	715.480	ug/L	622.124
	97	Mo	1.615864	4.043	3396.993	ug/L	933.719
>	72	Ge-1			1714372.871	ug/L	1688123.597
	107	Ag	0.022705	30.894	417.343	ug/L	252.337
	111	Cd	0.165789	5.078	332.057	ug/L	45.541
	121	Sb	0.175115	3.344	1607.481	ug/L	575.352
	135	Ba	17.242364	1.218	26654.540	ug/L	296.338
>	115	In-1			1872732.102	ug/L	1898604.670
	205	Tl	-0.081300	12.562	1515.132	ug/L	2406.005
	208	Pb	5.371520	2.012	91222.926	ug/L	1357.375
>	169	Tm-1			1150547.404	ug/L	1096203.961
	50	Cr	10.920009	29.858	574.607	ug/L	-859.802
	53	Cr	-94.638464	5.620	58394.320	ug/L	123123.596
	61	Ni	-8.563872	30.362	1938.936	ug/L	2131.060
	63	Cu	72.773820	1.432	95681.712	ug/L	100.002
	67	Zn	6.350375	20.437	2010.648	ug/L	1641.431
	66	Zn	18.712851	2.293	7534.742	ug/L	1342.622
	76	Se	173.394287	134.972	-229650.779	ug/L	-223014.947
	77	Se	-91.123474	2.507	7545.280	ug/L	17707.535
	78	Se	0.040375	429.212	20983.169	ug/L	20646.253

	79 Br	5623.183578	8.079	27545.748	ug/L	45723.195
>	72 Ge			1714372.871	ug/L	1688123.597
	108 Cd	0.315917	28.345	44.714	ug/L	6.952
	114 Cd	0.159449	11.135	744.819	ug/L	100.764
	109 Ag	0.019990	7.208	139.670	ug/L	88.668
>	115 In			1872732.102	ug/L	1898604.670
	208 207.977	5.561704	1.769	48663.951	ug/L	722.363
	207 Pb	5.546871	3.452	19715.528	ug/L	293.338
	206 Pb	4.882548	1.547	22843.446	ug/L	341.673
>	169 Tm			1150547.404	ug/L	1096203.961
	106 Pd	1.052112	3.248	172.335	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	100.813
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	101.555
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.637
	Tl	205	
	Pb	208	
>	Tm-1	169	104.957
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.555
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.637
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.957
	Pd	106	

Sample ID: H5NJT
Sample Description: G6E180219-7
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 23:02:07
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJT.090
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 72
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1940563.557	ug/L	1922024.174
>	6	Li-1			807052.444	ug/L	803965.135
	9	Be	-0.027145	1.091	5.000	ug/L	10.667
	27	Al	12.055233	1.342	66701.955	ug/L	26982.224
	44	Ca	289.249752	1.284	98626.446	ug/L	35932.629
	51	V	2.645103	7.792	-2814.299	ug/L	-21740.024
	52	Cr	0.322780	9.289	34143.821	ug/L	31281.492
	55	Mn	1.234810	4.186	15515.753	ug/L	2524.698
	54	Fe	30.222208	12.568	95076.537	ug/L	78881.017
	57	Fe	13.471450	6.871	16288.276	ug/L	13102.049
	59	Co	0.139244	0.611	1301.097	ug/L	161.668
	60	Ni	1.419621	2.212	2631.583	ug/L	141.649
	65	Cu	1.662720	0.652	3107.267	ug/L	182.452
	68	Zn	2.405272	6.849	4626.557	ug/L	2937.493
	75	As	0.833941	18.239	19779.449	ug/L	17891.829
	82	Se	-0.336569	13.843	582.444	ug/L	622.124
	97	Mo	-0.278689	3.559	530.349	ug/L	933.719
>	72	Ge-1			1728771.713	ug/L	1688123.597
	107	Ag	-0.019241	8.413	111.001	ug/L	252.337
	111	Cd	-0.007693	119.420	33.382	ug/L	45.541
	121	Sb	-0.052798	1.313	266.337	ug/L	575.352
	135	Ba	0.664729	3.664	1373.108	ug/L	296.338
>	115	In-1			1964581.418	ug/L	1898604.670
	205	Tl	-0.155559	0.972	602.021	ug/L	2406.005
	208	Pb	0.186006	1.035	4624.811	ug/L	1357.375
>	169	Tm-1			1173425.394	ug/L	1096203.961
	50	Cr	4.933585	5.329	-219.018	ug/L	-859.802
	53	Cr	-90.234184	7.351	61969.427	ug/L	123123.596
	61	Ni	-5.713595	46.060	2030.326	ug/L	2131.060
	63	Cu	1.750122	1.047	2420.604	ug/L	100.002
	67	Zn	-9.498845	5.292	1163.550	ug/L	1641.431
	66	Zn	2.596386	1.702	2238.468	ug/L	1342.622
	76	Se	-173.018821	226.535	-225253.149	ug/L	-223014.947
	77	Se	-89.097014	3.342	7839.794	ug/L	17707.535
	78	Se	-1.220496	16.436	20661.957	ug/L	20646.253

	79 Br	6932.486871	4.256	23322.092	ug/L	45723.195
>	72 Ge			1728771.713	ug/L	1688123.597
	108 Cd	0.146768	39.174	25.509	ug/L	6.952
	114 Cd	-0.006845	24.147	75.089	ug/L	100.764
	109 Ag	-0.020986	10.690	34.334	ug/L	88.668
>	115 In			1964581.418	ug/L	1898604.670
	208 207.977	0.189913	2.232	2441.674	ug/L	722.363
	207 Pb	0.190617	2.992	994.390	ug/L	293.338
	206 Pb	0.175196	5.773	1188.748	ug/L	341.673
>	169 Tm			1173425.394	ug/L	1096203.961
	106 Pd	0.415071	16.070	76.667	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	100.384
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.408
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	103.475
	Tl	205	
	Pb	208	
>	Tm-1	169	107.044
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.408
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	103.475
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	107.044
	Pd	106	

Sample ID: H5NJV
Sample Description: G6E180219-8
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 23:06:26
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJV.091
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 73
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1937826.093	ug/L	1922024.174
>	6	Li-1			834634.902	ug/L	803965.135
	9	Be	-0.024779	30.064	5.667	ug/L	10.667
	27	Al	9.071570	5.820	58345.361	ug/L	26982.224
	44	Ca	268.439861	3.918	96343.099	ug/L	35932.629
	51	V	2.084505	8.715	-7098.123	ug/L	-21740.024
	52	Cr	0.076933	236.791	33287.265	ug/L	31281.492
	55	Mn	1.113927	1.788	14579.139	ug/L	2524.698
	54	Fe	25.089755	12.543	94775.497	ug/L	78881.017
	57	Fe	11.167323	22.550	16162.492	ug/L	13102.049
	59	Co	0.234682	2.475	2126.925	ug/L	161.668
	60	Ni	1.434261	2.851	2717.825	ug/L	141.649
	65	Cu	1.669760	3.660	3191.606	ug/L	182.452
	68	Zn	3.202913	8.317	5282.262	ug/L	2937.493
	75	As	0.814117	45.185	20198.954	ug/L	17891.829
	82	Se	-0.415523	56.300	582.707	ug/L	622.124
	97	Mo	-0.341253	1.496	444.678	ug/L	933.719
>	72	Ge-1			1768452.318	ug/L	1688123.597
	107	Ag	-0.020221	5.558	103.334	ug/L	252.337
	111	Cd	-0.003020	175.053	41.677	ug/L	45.541
	121	Sb	-0.055680	4.021	248.004	ug/L	575.352
	135	Ba	0.655724	5.860	1356.439	ug/L	296.338
>	115	In-1			1962525.106	ug/L	1898604.670
	205	Tl	-0.168508	2.086	442.011	ug/L	2406.005
	208	Pb	0.174585	2.100	4474.448	ug/L	1357.375
>	169	Tm-1			1185133.011	ug/L	1096203.961
	50	Cr	4.782648	11.324	-244.984	ug/L	-859.802
	53	Cr	-88.486542	6.592	64688.709	ug/L	123123.596
	61	Ni	-4.680058	85.853	2104.710	ug/L	2131.060
	63	Cu	1.744985	2.902	2468.975	ug/L	100.002
	67	Zn	-8.173732	22.191	1264.257	ug/L	1641.431
	66	Zn	3.263522	4.706	2516.680	ug/L	1342.622
	76	Se	-110.809790	167.886	-231580.541	ug/L	-223014.947
	77	Se	-88.560602	3.420	8085.619	ug/L	17707.535
	78	Se	-1.764312	37.872	20917.688	ug/L	20646.253

	79 Br	7237.995181	5.456	22804.507	ug/L	45723.195
>	72 Ge			1768452.318	ug/L	1688123.597
	108 Cd	0.121938	32.900	22.459	ug/L	6.952
	114 Cd	-0.010517	24.893	59.569	ug/L	100.764
	109 Ag	-0.022567	16.648	30.000	ug/L	88.668
>	115 In			1962525.106	ug/L	1898604.670
	208 207.977	0.178080	3.493	2361.319	ug/L	722.363
	207 Pb	0.171843	3.712	936.717	ug/L	293.338
	206 Pb	0.170132	3.537	1176.412	ug/L	341.673
>	169 Tm			1185133.011	ug/L	1096203.961
	106 Pd	0.350702	11.392	67.000	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.815
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	104.758
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	103.367
	Tl	205	
	Pb	208	
>	Tm-1	169	108.112
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	104.758
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	103.367
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	108.112
	Pd	106	

Sample ID: H5NJW
Sample Description: G6E180219-9
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 23:10:46
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJW.092
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 74
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1950728.289	ug/L	1922024.174
>	6	Li-1			861016.947	ug/L	803965.135
	9	Be	-0.016915	31.404	7.667	ug/L	10.667
	27	Al	371.083132	1.003	1273357.092	ug/L	26982.224
	44	Ca	1000.815673	2.219	259467.249	ug/L	35932.629
	51	V	3.162158	3.095	1033.249	ug/L	-21740.024
	52	Cr	0.753374	12.704	38257.836	ug/L	31281.492
	55	Mn	16.625110	2.542	182874.773	ug/L	2524.698
	54	Fe	510.360470	3.649	333505.671	ug/L	78881.017
	57	Fe	465.907226	3.229	116647.301	ug/L	13102.049
	59	Co	0.499492	1.617	4386.766	ug/L	161.668
	60	Ni	2.254174	2.719	4235.589	ug/L	141.649
	65	Cu	25.499830	1.477	46546.251	ug/L	182.452
	68	Zn	10.073176	2.793	10127.858	ug/L	2937.493
	75	As	1.770615	4.471	22164.990	ug/L	17891.829
	82	Se	-0.442700	23.631	584.916	ug/L	622.124
	97	Mo	0.669722	5.068	2048.573	ug/L	933.719
>	72	Ge-1			1789339.177	ug/L	1688123.597
	107	Ag	-0.004146	43.430	230.670	ug/L	252.337
	111	Cd	0.115522	3.854	259.067	ug/L	45.541
	121	Sb	0.071536	8.453	1049.396	ug/L	575.352
	135	Ba	8.127961	1.604	13449.664	ug/L	296.338
>	115	In-1			1980176.669	ug/L	1898604.670
	205	Tl	-0.144432	1.013	758.700	ug/L	2406.005
	208	Pb	4.488519	0.852	79624.682	ug/L	1357.375
>	169	Tm-1			1197986.759	ug/L	1096203.961
	50	Cr	6.882164	10.932	43.785	ug/L	-859.802
	53	Cr	-88.868597	7.628	65150.570	ug/L	123123.596
	61	Ni	-7.379294	35.768	2055.009	ug/L	2131.060
	63	Cu	25.976923	3.388	35709.593	ug/L	100.002
	67	Zn	-1.769450	121.322	1639.431	ug/L	1641.431
	66	Zn	9.710870	3.835	4766.970	ug/L	1342.622
	76	Se	-0.295731	104620.490	-236398.342	ug/L	-223014.947
	77	Se	-88.293881	4.570	8210.702	ug/L	17707.535
	78	Se	-1.725480	38.836	21177.017	ug/L	20646.253

	79 Br	6518.170712	5.030	25587.853	ug/L	45723.195
>	72 Ge			1789339.177	ug/L	1688123.597
	108 Cd	0.367753	25.046	53.808	ug/L	6.952
	114 Cd	0.104561	12.370	552.410	ug/L	100.764
	109 Ag	-0.006358	69.088	75.001	ug/L	88.668
>	115 In			1980176.669	ug/L	1898604.670
	208 207.977	4.631076	1.252	42330.830	ug/L	722.363
	207 Pb	4.713190	2.783	17493.474	ug/L	293.338
	206 Pb	4.051152	1.093	19800.378	ug/L	341.673
>	169 Tm			1197986.759	ug/L	1096203.961
	106 Pd	0.876759	10.441	146.001	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	107.096
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	105.996
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	104.296
	Tl	205	
	Pb	208	
>	Tm-1	169	109.285
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	105.996
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	104.296
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	109.285
	Pd	106	

Sample ID: H5NJ1
Sample Description: G6E180219-10
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 23:15:06
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJ1.093
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 75
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1941804.052	ug/L	1922024.174
>	6	Li-1			859362.983	ug/L	803965.135
	9	Be	-0.015120	30.747	8.000	ug/L	10.667
	27	Al	359.376457	2.866	1213749.806	ug/L	26982.224
	44	Ca	997.335591	2.699	254489.629	ug/L	35932.629
	51	V	3.097590	5.973	506.482	ug/L	-21740.024
	52	Cr	0.775988	7.713	37784.420	ug/L	31281.492
	55	Mn	15.741319	0.245	170509.367	ug/L	2524.698
	54	Fe	505.132802	0.980	325644.802	ug/L	78881.017
	57	Fe	452.024808	2.451	111753.708	ug/L	13102.049
	59	Co	0.401439	5.999	3499.700	ug/L	161.668
	60	Ni	2.022230	2.746	3753.300	ug/L	141.649
	65	Cu	19.373210	2.617	34831.268	ug/L	182.452
	68	Zn	9.740087	6.943	9732.079	ug/L	2937.493
	75	As	1.530483	22.478	21373.379	ug/L	17891.829
	82	Se	-0.130252	132.014	626.876	ug/L	622.124
	97	Mo	0.364582	17.855	1540.136	ug/L	933.719
>	72	Ge-1			1760516.197	ug/L	1688123.597
	107	Ag	-0.005840	29.208	215.003	ug/L	252.337
	111	Cd	0.107619	6.456	242.036	ug/L	45.541
	121	Sb	0.078305	3.891	1080.733	ug/L	575.352
	135	Ba	8.201823	0.846	13429.966	ug/L	296.338
>	115	In-1			1960060.220	ug/L	1898604.670
	205	Tl	-0.147555	0.872	714.029	ug/L	2406.005
	208	Pb	4.011194	0.715	70897.359	ug/L	1357.375
>	169	Tm-1			1190876.864	ug/L	1096203.961
	50	Cr	7.351843	15.766	105.262	ug/L	-859.802
	53	Cr	-86.952135	5.690	65542.485	ug/L	123123.596
	61	Ni	-7.256942	75.102	2023.990	ug/L	2131.060
	63	Cu	19.458191	1.811	26345.590	ug/L	100.002
	67	Zn	-2.066437	76.060	1598.410	ug/L	1641.431
	66	Zn	9.792071	3.980	4714.888	ug/L	1342.622
	76	Se	-213.545222	26.520	-228631.253	ug/L	-223014.947
	77	Se	-85.885404	3.170	8366.806	ug/L	17707.535
	78	Se	-1.059735	132.104	21097.987	ug/L	20646.253

	79 Br	6200.913067	3.454	26288.324	ug/L	45723.195
>	72 Ge			1760516.197	ug/L	1688123.597
	108 Cd	0.406618	13.776	58.105	ug/L	6.952
	114 Cd	0.105177	1.216	549.708	ug/L	100.764
	109 Ag	-0.009806	39.432	64.667	ug/L	88.668
>	115 In			1960060.220	ug/L	1898604.670
	208 207.977	4.155821	0.648	37842.669	ug/L	722.363
	207 Pb	4.147971	1.470	15345.449	ug/L	293.338
	206 Pb	3.636746	1.001	17709.241	ug/L	341.673
>	169 Tm			1190876.864	ug/L	1096203.961
	106 Pd	0.796851	10.960	134.001	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	106.891
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	104.288
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	103.237
	Tl	205	
	Pb	208	
>	Tm-1	169	108.636
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	104.288
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	103.237
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	108.636
	Pd	106	

Sample ID: H5NJ3
Sample Description: G6E180219-11
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 23:19:26
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJ3.094
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 76
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			2013265.992	ug/L	1922024.174
>	6	Li-1			838457.010	ug/L	803965.135
	9	Be	-0.014236	67.148	8.000	ug/L	10.667
	27	Al	457.363735	2.188	1575115.431	ug/L	26982.224
	44	Ca	1118.694825	0.545	287855.859	ug/L	35932.629
	51	V	3.245034	10.365	1650.872	ug/L	-21740.024
	52	Cr	0.592960	10.871	37465.722	ug/L	31281.492
	55	Mn	18.055396	2.104	199976.597	ug/L	2524.698
	54	Fe	664.188491	0.990	412157.419	ug/L	78881.017
	57	Fe	599.103815	1.910	147218.447	ug/L	13102.049
	59	Co	0.566134	2.887	4989.423	ug/L	161.668
	60	Ni	1.689831	2.924	3238.516	ug/L	141.649
	65	Cu	40.466223	0.849	74352.570	ug/L	182.452
	68	Zn	11.644361	2.965	11312.643	ug/L	2937.493
	75	As	1.826992	10.668	22443.231	ug/L	17891.829
	82	Se	-0.298104	62.431	613.938	ug/L	622.124
	97	Mo	0.625680	4.681	1995.228	ug/L	933.719
>	72	Ge-1			1803624.195	ug/L	1688123.597
	107	Ag	0.003898	37.188	293.005	ug/L	252.337
	111	Cd	0.129511	6.893	284.051	ug/L	45.541
	121	Sb	0.131462	2.278	1422.116	ug/L	575.352
	135	Ba	9.740424	1.823	16013.641	ug/L	296.338
>	115	In-1			1975079.809	ug/L	1898604.670
	205	Tl	-0.147724	2.355	733.698	ug/L	2406.005
	208	Pb	5.008404	1.535	90805.496	ug/L	1357.375
>	169	Tm-1			1226778.147	ug/L	1096203.961
	50	Cr	7.529989	3.358	134.810	ug/L	-859.802
	53	Cr	-87.841396	7.229	66422.218	ug/L	123123.596
	61	Ni	-8.830671	47.184	2032.663	ug/L	2131.060
	63	Cu	41.092328	1.793	56893.693	ug/L	100.002
	67	Zn	-1.370436	195.543	1675.451	ug/L	1641.431
	66	Zn	11.119572	5.394	5291.479	ug/L	1342.622
	76	Se	132.905427	314.760	-240817.214	ug/L	-223014.947
	77	Se	-87.540809	5.013	8365.137	ug/L	17707.535
	78	Se	-1.423793	89.658	21468.822	ug/L	20646.253

	79	Br	6076.909676	7.032	27355.284	ug/L	45723.195
>	72	Ge			1803624.195	ug/L	1688123.597
	108	Cd	0.363489	32.600	52.995	ug/L	6.952
	114	Cd	0.131800	7.094	667.777	ug/L	100.764
	109	Ag	-0.000192	1999.877	91.668	ug/L	88.668
>	115	In			1975079.809	ug/L	1898604.670
	208	207.977	5.156432	2.539	48167.244	ug/L	722.363
	207	Pb	5.149725	0.858	19546.146	ug/L	293.338
	206	Pb	4.624140	1.254	23092.106	ug/L	341.673
>	169	Tm			1226778.147	ug/L	1096203.961
	106	Pd	0.885637	3.709	147.335	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	104.290
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	106.842
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	104.028
	Tl	205	
	Pb	208	
>	Tm-1	169	111.911
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	106.842
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	104.028
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	111.911
	Pd	106	

Sample ID: H5NJ4
Sample Description: G6E180219-12
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 23:23:47
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJ4.095
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 77
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1957888.615	ug/L	1922024.174
>	6	Li-1			849109.222	ug/L	803965.135
	9	Be	-0.002965	447.494	10.667	ug/L	10.667
	27	Al	571.719313	1.182	1905964.205	ug/L	26982.224
	44	Ca	1335.652349	3.659	326613.547	ug/L	35932.629
	51	V	3.700875	3.274	5021.606	ug/L	-21740.024
	52	Cr	0.854443	16.106	38126.903	ug/L	31281.492
	55	Mn	22.672006	1.717	243266.130	ug/L	2524.698
	54	Fe	796.428198	3.316	463786.459	ug/L	78881.017
	57	Fe	732.594359	3.074	171840.428	ug/L	13102.049
	59	Co	0.566723	2.168	4851.678	ug/L	161.668
	60	Ni	1.945359	2.957	3600.083	ug/L	141.649
	65	Cu	17.889504	2.121	32034.600	ug/L	182.452
	68	Zn	18.138235	3.783	15417.574	ug/L	2937.493
	75	As	1.716817	19.318	21608.082	ug/L	17891.829
	82	Se	0.235610	32.982	684.484	ug/L	622.124
	97	Mo	0.616662	13.783	1923.545	ug/L	933.719
>	72	Ge-1			1752320.809	ug/L	1688123.597
	107	Ag	-0.003482	83.264	234.670	ug/L	252.337
	111	Cd	0.140716	12.925	303.256	ug/L	45.541
	121	Sb	0.153885	2.467	1558.472	ug/L	575.352
	135	Ba	11.931844	4.361	19488.350	ug/L	296.338
>	115	In-1			1970307.905	ug/L	1898604.670
	205	Tl	-0.148262	2.199	705.695	ug/L	2406.005
	208	Pb	5.205236	2.467	91702.382	ug/L	1357.375
>	169	Tm-1			1193205.619	ug/L	1096203.961
	50	Cr	8.823966	0.378	306.574	ug/L	-859.802
	53	Cr	-86.339247	8.613	65599.854	ug/L	123123.596
	61	Ni	-4.184353	8.257	2099.372	ug/L	2131.060
	63	Cu	17.999930	1.702	24269.555	ug/L	100.002
	67	Zn	5.548480	39.622	2009.313	ug/L	1641.431
	66	Zn	17.981878	4.681	7453.550	ug/L	1342.622
	76	Se	-113.811064	117.810	-229383.989	ug/L	-223014.947
	77	Se	-85.392535	5.150	8378.479	ug/L	17707.535
	78	Se	-0.683271	180.242	21154.659	ug/L	20646.253

	79 Br	6112.576712	7.027	26450.328	ug/L	45723.195
	72 Ge			1752320.809	ug/L	1688123.597
	108 Cd	0.404001	27.143	58.242	ug/L	6.952
	114 Cd	0.126882	3.987	645.208	ug/L	100.764
	109 Ag	-0.010055	23.096	64.334	ug/L	88.668
	115 In			1970307.905	ug/L	1898604.670
	208 207.977	5.408826	2.277	49092.668	ug/L	722.363
	207 Pb	5.389792	3.277	19871.875	ug/L	293.338
	206 Pb	4.684193	2.317	22737.838	ug/L	341.673
	169 Tm			1193205.619	ug/L	1096203.961
	106 Pd	1.036575	16.703	170.002	ug/L	14.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	105.615
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	103.803
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	103.777
Tl	205	
Pb	208	
Tm-1	169	108.849
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.803
Cd	108	
Cd	114	
Ag	109	
In	115	103.777
207.977	208	
Pb	207	
Pb	206	
Tm	169	108.849
Pd	106	

Sample ID: H5NJ5
Sample Description: G6E180219-13
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 23:28:08
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJ5.096
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 78
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1893691.685	ug/L	1922024.174
>	6	Li-1			831422.791	ug/L	803965.135
	9	Be	-0.007728	56.682	9.333	ug/L	10.667
	27	Al	372.678405	2.696	1239529.249	ug/L	26982.224
	44	Ca	1012.484874	2.473	254083.481	ug/L	35932.629
	51	V	3.393482	5.207	2700.106	ug/L	-21740.024
	52	Cr	0.476252	11.340	35267.268	ug/L	31281.492
	55	Mn	15.781139	1.749	168439.302	ug/L	2524.698
	54	Fe	513.026110	2.878	324602.048	ug/L	78881.017
	57	Fe	468.522902	3.141	113662.121	ug/L	13102.049
	59	Co	0.477326	1.063	4072.281	ug/L	161.668
	60	Ni	1.644306	1.846	3035.309	ug/L	141.649
	65	Cu	13.997802	1.266	24856.832	ug/L	182.452
	68	Zn	9.807270	1.912	9640.976	ug/L	2937.493
	75	As	1.721288	7.524	21401.862	ug/L	17891.829
	82	Se	0.478110	39.192	717.209	ug/L	622.124
	97	Mo	0.325613	18.433	1458.455	ug/L	933.719
>	72	Ge-1			1734703.252	ug/L	1688123.597
	107	Ag	-0.004109	12.492	224.336	ug/L	252.337
	111	Cd	0.111670	1.599	244.905	ug/L	45.541
	121	Sb	0.096504	4.183	1172.079	ug/L	575.352
	135	Ba	8.468672	1.205	13601.897	ug/L	296.338
>	115	In-1			1923926.425	ug/L	1898604.670
	205	Tl	-0.152019	1.289	634.690	ug/L	2406.005
	208	Pb	3.971333	1.986	67840.661	ug/L	1357.375
>	169	Tm-1			1151003.818	ug/L	1096203.961
	50	Cr	6.300621	12.396	-36.335	ug/L	-859.802
	53	Cr	-87.379040	9.086	64208.450	ug/L	123123.596
	61	Ni	-8.649274	48.289	1958.948	ug/L	2131.060
	63	Cu	14.191548	0.792	18964.705	ug/L	100.002
	67	Zn	-1.937268	110.225	1580.401	ug/L	1641.431
	66	Zn	9.488904	1.849	4545.971	ug/L	1342.622
	76	Se	73.872515	363.696	-230541.598	ug/L	-223014.947
	77	Se	-84.720931	5.296	8373.143	ug/L	17707.535
	78	Se	0.028219	2184.192	21225.869	ug/L	20646.253

	79 Br	6364.324940	4.095	25334.329	ug/L	45723.195
>	72 Ge			1734703.252	ug/L	1688123.597
	108 Cd	0.299396	7.629	43.822	ug/L	6.952
	114 Cd	0.107426	3.610	548.889	ug/L	100.764
	109 Ag	-0.012858	20.613	55.334	ug/L	88.668
>	115 In			1923926.425	ug/L	1898604.670
	208 207.977	4.089447	1.378	35998.237	ug/L	722.363
	207 Pb	4.142171	2.376	14806.517	ug/L	293.338
	206 Pb	3.620594	3.280	17035.906	ug/L	341.673
>	169 Tm			1151003.818	ug/L	1096203.961
	106 Pd	0.878978	5.480	146.335	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.415
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.759
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.334
	Tl	205	
	Pb	208	
>	Tm-1	169	104.999
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.759
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.334
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.999
	Pd	106	

Sample ID: H5NJ6
Sample Description: G6E180219-14
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 23:32:30
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJ6.097
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 79
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1920888.362	ug/L	1922024.174
>	6	Li-1			839378.251	ug/L	803965.135
	9	Be	-0.013017	80.240	8.333	ug/L	10.667
	27	Al	378.682579	1.362	1268128.465	ug/L	26982.224
	44	Ca	957.565544	2.310	243996.205	ug/L	35932.629
	51	V	3.153025	2.665	928.241	ug/L	-21740.024
	52	Cr	0.381866	65.133	34889.162	ug/L	31281.492
	55	Mn	15.721957	3.223	168960.633	ug/L	2524.698
	54	Fe	507.668136	2.616	324341.105	ug/L	78881.017
	57	Fe	445.420942	3.061	109483.619	ug/L	13102.049
	59	Co	0.360578	3.096	3138.563	ug/L	161.668
	60	Ni	1.552315	1.796	2893.906	ug/L	141.649
	65	Cu	18.936838	1.065	33801.004	ug/L	182.452
	68	Zn	9.361451	2.651	9405.052	ug/L	2937.493
	75	As	1.757924	5.833	21623.440	ug/L	17891.829
	82	Se	0.065100	54.150	654.546	ug/L	622.124
	97	Mo	0.192845	14.623	1263.758	ug/L	933.719
>	72	Ge-1			1747192.367	ug/L	1688123.597
	107	Ag	-0.005622	33.256	213.003	ug/L	252.337
	111	Cd	0.093104	4.917	212.159	ug/L	45.541
	121	Sb	0.088525	18.253	1124.072	ug/L	575.352
	135	Ba	7.960342	1.869	12826.395	ug/L	296.338
>	115	In-1			1927764.339	ug/L	1898604.670
	205	Tl	-0.159625	1.532	556.018	ug/L	2406.005
	208	Pb	3.473672	1.123	61299.459	ug/L	1357.375
>	169	Tm-1			1185335.663	ug/L	1096203.961
	50	Cr	5.696551	40.875	-115.497	ug/L	-859.802
	53	Cr	-86.365739	8.755	65391.031	ug/L	123123.596
	61	Ni	-9.827917	22.587	1941.937	ug/L	2131.060
	63	Cu	19.476624	2.046	26171.469	ug/L	100.002
	67	Zn	-3.255967	51.415	1519.370	ug/L	1641.431
	66	Zn	9.136931	2.165	4461.184	ug/L	1342.622
	76	Se	-154.311011	23.817	-227988.461	ug/L	-223014.947
	77	Se	-85.123319	6.108	8384.485	ug/L	17707.535
	78	Se	-0.082501	898.413	21332.616	ug/L	20646.253

	79 Br	6177.552642	5.708	26150.683	ug/L	45723.195
>	72 Ge			1747192.367	ug/L	1688123.597
	108 Cd	0.373085	37.147	52.920	ug/L	6.952
	114 Cd	0.103090	8.926	532.564	ug/L	100.764
	109 Ag	-0.008274	40.306	67.667	ug/L	88.668
>	115 In			1927764.339	ug/L	1898604.670
	208 207.977	3.558192	0.556	32359.729	ug/L	722.363
	207 Pb	3.603716	2.414	13308.113	ug/L	293.338
	206 Pb	3.216767	1.223	15631.617	ug/L	341.673
>	169 Tm			1185335.663	ug/L	1096203.961
	106 Pd	0.870100	11.782	145.001	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	104.405
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	103.499
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.536
	Tl	205	
	Pb	208	
>	Tm-1	169	108.131
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	103.499
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.536
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	108.131
	Pd	106	

Sample ID: H5NJ7
Sample Description: G6E180219-15
Batch ID: 6142358
Sample Date/Time: Tuesday, May 23, 2006 23:36:52
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5NJ7.098
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 80
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1927127.477	ug/L	1922024.174
>	6	Li-1			829661.171	ug/L	803965.135
	9	Be	-0.013590	109.092	8.000	ug/L	10.667
	27	Al	380.170132	5.125	1258724.888	ug/L	26982.224
	44	Ca	962.658810	2.021	242377.087	ug/L	35932.629
	51	V	3.365562	10.983	2476.199	ug/L	-21740.024
	52	Cr	0.548670	27.040	35598.316	ug/L	31281.492
	55	Mn	15.823675	1.248	168174.832	ug/L	2524.698
	54	Fe	505.915299	3.738	319949.542	ug/L	78881.017
	57	Fe	465.952927	1.616	112645.395	ug/L	13102.049
	59	Co	0.356739	2.468	3072.540	ug/L	161.668
	60	Ni	1.880140	4.481	3436.110	ug/L	141.649
	65	Cu	29.073861	1.970	51220.244	ug/L	182.452
	68	Zn	8.681507	3.772	8843.134	ug/L	2937.493
	75	As	2.063818	6.961	21913.045	ug/L	17891.829
	82	Se	-0.118945	175.914	617.411	ug/L	622.124
	97	Mo	0.494616	1.170	1710.834	ug/L	933.719
>	72	Ge-1			1727538.611	ug/L	1688123.597
	107	Ag	-0.006782	61.220	205.669	ug/L	252.337
	111	Cd	0.098186	12.170	222.693	ug/L	45.541
	121	Sb	0.064922	4.487	987.389	ug/L	575.352
	135	Ba	7.592676	1.319	12329.682	ug/L	296.338
>	115	In-1			1940188.446	ug/L	1898604.670
	205	Tl	-0.157519	0.706	575.352	ug/L	2406.005
	208	Pb	4.538377	1.261	78579.812	ug/L	1357.375
>	169	Tm-1			1169574.421	ug/L	1096203.961
	50	Cr	7.980608	6.578	189.030	ug/L	-859.802
	53	Cr	-84.801824	8.973	65808.773	ug/L	123123.596
	61	Ni	-9.454586	6.861	1929.596	ug/L	2131.060
	63	Cu	28.872953	1.837	38322.631	ug/L	100.002
	67	Zn	-3.446821	33.841	1492.357	ug/L	1641.431
	66	Zn	8.802799	2.762	4299.289	ug/L	1342.622
	76	Se	-351.173567	57.081	-221833.888	ug/L	-223014.947
	77	Se	-84.910899	3.852	8319.439	ug/L	17707.535
	78	Se	0.122126	226.084	21176.249	ug/L	20646.253

	79 Br	6279.685044	5.341	25522.403	ug/L	45723.195
>	72 Ge			1727538.611	ug/L	1688123.597
	108 Cd	0.301187	34.154	44.365	ug/L	6.952
	114 Cd	0.096759	13.537	508.635	ug/L	100.764
	109 Ag	-0.007028	54.531	71.668	ug/L	88.668
>	115 In			1940188.446	ug/L	1898604.670
	208 207.977	4.676069	1.312	41717.215	ug/L	722.363
	207 Pb	4.774819	1.571	17298.082	ug/L	293.338
	206 Pb	4.101167	1.013	19564.515	ug/L	341.673
>	169 Tm			1169574.421	ug/L	1096203.961
	106 Pd	0.796851	7.659	134.001	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.196
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.335
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.190
	Tl	205	
	Pb	208	
>	Tm-1	169	106.693
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.335
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.190
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	106.693
	Pd	106	

Sample ID: CCV 13
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 23:41:13
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCV 13.099
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1965687.509	ug/L	1922024.174
>	6	Li-1			815231.106	ug/L	803965.135
	9	Be	100.623072	2.052	21377.421	ug/L	10.667
	27	Al	4554.341493	2.891	15576262.194	ug/L	26982.224
	44	Ca	4876.676141	0.680	1137129.707	ug/L	35932.629
	51	V	97.493906	4.931	731535.484	ug/L	-21740.024
	52	Cr	96.320834	2.693	696908.871	ug/L	31281.492
	55	Mn	97.557219	2.696	1078945.147	ug/L	2524.698
	54	Fe	4923.278244	3.330	2538663.105	ug/L	78881.017
	57	Fe	4895.490536	2.611	1113257.826	ug/L	13102.049
	59	Co	97.804567	2.090	840454.797	ug/L	161.668
	60	Ni	96.227194	2.575	177688.584	ug/L	141.649
	65	Cu	98.523433	3.793	182451.544	ug/L	182.452
	68	Zn	98.841340	0.658	73254.432	ug/L	2937.493
	75	As	101.146638	4.149	205393.651	ug/L	17891.829
	82	Se	98.841772	3.625	17581.488	ug/L	622.124
	97	Mo	201.230625	2.564	324937.822	ug/L	933.719
>	72	Ge-1			1821804.552	ug/L	1688123.597
	107	Ag	51.596731	3.105	396920.377	ug/L	252.337
	111	Cd	100.662254	1.714	180376.115	ug/L	45.541
	121	Sb	50.401896	3.757	310059.036	ug/L	575.352
	135	Ba	100.514638	2.732	159188.335	ug/L	296.338
>	115	In-1			1937106.954	ug/L	1898604.670
	205	Tl	47.591225	3.768	604080.783	ug/L	2406.005
	208	Pb	96.882306	2.859	1647745.375	ug/L	1357.375
>	169	Tm-1			1169914.177	ug/L	1096203.961
	50	Cr	101.287974	1.810	13382.844	ug/L	-859.802
	53	Cr	94.310173	5.622	203468.971	ug/L	123123.596
	61	Ni	92.733663	1.704	4898.170	ug/L	2131.060
	63	Cu	99.437063	0.563	138916.962	ug/L	100.002
	67	Zn	99.711701	2.213	7492.974	ug/L	1641.431
	66	Zn	96.526958	2.072	35269.949	ug/L	1342.622
	76	Se	-188.851214	122.946	-237128.272	ug/L	-223014.947
	77	Se	99.964729	8.766	31270.754	ug/L	17707.535
	78	Se	101.724749	5.531	64541.938	ug/L	20646.253

	79 Br	379.508724	112.119	47964.857	ug/L	45723.195
>	72 Ge			1821804.552	ug/L	1688123.597
	108 Cd	101.717608	2.848	12581.073	ug/L	6.952
	114 Cd	101.203311	3.099	423733.229	ug/L	100.764
	109 Ag	49.865706	2.530	134660.201	ug/L	88.668
>	115 In			1937106.954	ug/L	1898604.670
	208 207.977	96.832862	2.479	848620.694	ug/L	722.363
	207 Pb	97.235734	3.432	346125.493	ug/L	293.338
	206 Pb	96.706231	3.385	452999.188	ug/L	341.673
>	169 Tm			1169914.177	ug/L	1096203.961
	106 Pd	106.668447	1.266	16033.344	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	101.401
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	107.919
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.028
	Tl	205	
	Pb	208	
>	Tm-1	169	106.724
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	107.919
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.028
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	106.724
	Pd	106	

Sample ID: CCB 13
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, May 23, 2006 23:45:34
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\CCB 13.100
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1952377.049	ug/L	1922024.174
>	6	Li-1			822154.515	ug/L	803965.135
	9	Be	0.017274	113.518	14.667	ug/L	10.667
	27	Al	0.381911	16.738	30046.500	ug/L	26982.224
	44	Ca	3.375162	49.384	39049.615	ug/L	35932.629
	51	V	1.010518	11.823	-15437.854	ug/L	-21740.024
	52	Cr	-0.385229	15.870	30721.178	ug/L	31281.492
	55	Mn	-0.023074	25.292	2439.340	ug/L	2524.698
	54	Fe	-11.177807	11.191	78568.813	ug/L	78881.017
	57	Fe	0.660166	484.540	14110.807	ug/L	13102.049
	59	Co	0.014959	12.096	299.338	ug/L	161.668
	60	Ni	0.010483	55.613	170.120	ug/L	141.649
	65	Cu	-0.008481	132.980	178.954	ug/L	182.452
	68	Zn	-0.881299	18.621	2513.695	ug/L	2937.493
	75	As	0.975693	19.204	20843.816	ug/L	17891.829
	82	Se	-0.586096	27.520	564.106	ug/L	622.124
	97	Mo	0.054695	371.398	1082.404	ug/L	933.719
>	72	Ge-1			1799292.527	ug/L	1688123.597
	107	Ag	0.012357	14.875	356.007	ug/L	252.337
	111	Cd	0.009224	72.384	63.569	ug/L	45.541
	121	Sb	-0.041496	6.031	335.340	ug/L	575.352
	135	Ba	0.007079	274.948	316.672	ug/L	296.338
>	115	In-1			1956247.705	ug/L	1898604.670
	205	Tl	0.044110	93.837	3120.900	ug/L	2406.005
	208	Pb	0.014697	14.604	1696.063	ug/L	1357.375
>	169	Tm-1			1168173.142	ug/L	1096203.961
	50	Cr	0.302211	101.714	-874.212	ug/L	-859.802
	53	Cr	-16.415544	27.452	119096.168	ug/L	123123.596
	61	Ni	-12.117955	20.057	1935.933	ug/L	2131.060
	63	Cu	0.007818	72.131	117.336	ug/L	100.002
	67	Zn	-0.082187	1897.230	1745.155	ug/L	1641.431
	66	Zn	-0.971975	10.903	1094.525	ug/L	1342.622
	76	Se	-118.204842	71.006	-235464.734	ug/L	-223014.947
	77	Se	-11.592453	31.055	17480.220	ug/L	17707.535
	78	Se	-0.646560	91.375	21739.448	ug/L	20646.253

	79 Br	813.352695	34.829	45865.691	ug/L	45723.195
>	72 Ge			1799292.527	ug/L	1688123.597
	108 Cd	0.051891	58.206	13.655	ug/L	6.952
	114 Cd	0.012927	5.626	158.514	ug/L	100.764
	109 Ag	0.011622	41.451	123.002	ug/L	88.668
>	115 In			1956247.705	ug/L	1898604.670
	208 207.977	0.011599	55.318	871.377	ug/L	722.363
	207 Pb	0.017100	16.146	373.341	ug/L	293.338
	206 Pb	0.018666	21.372	451.345	ug/L	341.673
>	169 Tm			1168173.142	ug/L	1096203.961
	106 Pd	-0.031075	68.883	9.667	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	102.262
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	106.585
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	103.036
	Tl	205	
	Pb	208	
>	Tm-1	169	106.565
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	106.585
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	103.036
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	106.565
	Pd	106	

Mercury

G6E120166, G6E180219

STL Sacramento

RUN SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) | Instrument: STL2 (H03) | Reported: 05/24/06 16:03:26

Sequence: 24MAY06C **Date:** 05/24/06 14:14 **Analyst:** merrittn **ICV:** 1767-19-10 **CAL/CCV:** 1767-19-11

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
1	Std01Rep1				0.00	1.0	0.00	ug/L		05/24/06 14:14		☐
2	Std02Rep1	= 0.200			0.00	1.0	0.00	ug/L		05/24/06 14:16		☐
3	Std03Rep1	= 0.500			0.00	1.0	0.00	ug/L		05/24/06 14:17		☐
4	Std04Rep1	= 1.00			0.00	1.0	0.00	ug/L		05/24/06 14:19		☐
5	Std05Rep1	= 5.00			0.00	1.0	0.00	ug/L		05/24/06 14:22		☐
6	Std06Rep1	= 10.0			0.00	1.0	0.00	ug/L		05/24/06 14:24		☐
7	ICV	= 2.00			1.94	1.0	1.94	ug/L	97.0%	05/24/06 14:27		☐
8	ICB				0.00	1.0	0.00	ug/L		05/24/06 14:29		☐
9	H54EEB	G6E240000	6144552		0.00	1.0	0.00	ug/L		05/24/06 14:31		☐
10	H54EEC	G6E240000 = 1.80	6144552		0.99	1.0	0.59	ug/L	~~32.8%~~ 98.4% NM	05/24/06 14:33	05/24/06 NM	☐
11	H54EEL	G6E240000 = 1.80	6144552		1.00	1.0	0.60	ug/L	~~33.3%~~ 100%	05/24/06 14:35		☐
12	H49GR	G6E120166-1	6144552	AIR	0.04	1.0	0.02	ug/L		05/24/06 14:36		☐
13	H49G2	G6E120166-2	6144552	AIR	0.04	1.0	0.02	ug/L		05/24/06 14:38		☐
14	H49G3	G6E120166-3	6144552	AIR	0.05	1.0	0.03	ug/L		05/24/06 14:40		☐
15	H49G4	G6E120166-4	6144552	AIR	0.04	1.0	0.02	ug/L		05/24/06 14:42		☐
16	H49G7	G6E120166-5	6144552	AIR	0.04	1.0	0.02	ug/L		05/24/06 14:44		☐
17	H49HA	G6E120166-6	6144552	AIR	0.04	1.0	0.03	ug/L		05/24/06 14:46		☐
18	H49HC	G6E120166-7	6144552	AIR	0.05	1.0	0.03	ug/L		05/24/06 14:48		☐
19	CCV	= 5.00			4.95	1.0	4.95	ug/L	99.0%	05/24/06 14:50		☐
20	CCB				-0.00	1.0	-0.00	ug/L		05/24/06 14:51		☐
21	H49HE	G6E120166-8	6144552	AIR	0.07	1.0	0.04	ug/L		05/24/06 14:53		☐
22	H49HL	G6E120166-9	6144552	AIR	0.05	1.0	0.03	ug/L		05/24/06 14:55		☐
23	H49HP	G6E120166-10	6144552	AIR	0.05	1.0	0.03	ug/L		05/24/06 14:56		☐
24	H49HQ	G6E120166-11	6144552	AIR	0.07	1.0	0.04	ug/L		05/24/06 14:59		☐
25	H49HT	G6E120166-12	6144552	AIR	0.08	1.0	0.05	ug/L		05/24/06 15:00		☐
26	H49HX	G6E120166-13	6144552	AIR	0.07	1.0	0.04	ug/L		05/24/06 15:02		☐
27	H49H1	G6E120166-14	6144552	AIR	0.02	1.0	0.01	ug/L		05/24/06 15:04		☐
28	H49H5	G6E120166-15	6144552	AIR	-0.00	1.0	-0.00	ug/L		05/24/06 15:05		☐
29	H54E7B	G6E240000	6144553		0.01	1.0	0.01	ug/L		05/24/06 15:07		☐
30	H54E7C	G6E240000 = 1.80	6144553		0.98	1.0	0.59	ug/L	~~32.6%~~ 97.9%	05/24/06 15:09	05/24/06 NM	☐
31	CCV	= 5.00			4.98	1.0	4.98	ug/L	99.6%	05/24/06 15:11		☐
32	CCB				-0.00	1.0	-0.00	ug/L		05/24/06 15:12		☐
33	H54E7L	G6E240000 = 1.80	6144553		0.99	1.0	0.60	ug/L	~~33.1%~~ 99.2%	05/24/06 15:14	05/24/06 NM	☐
34	H5NJL	G6E180219-1	6144553	AIR	0.08	1.0	0.05	ug/L		05/24/06 15:16		☐

STL Sacramento

RUN SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) Instrument: STL2 (H03) Reported: 05/24/06 16:03:26

Sequence: 24MAY06C **Date:** 05/24/06 14:14 **Analyst:** merrittn **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
35	H5NJM	G6E180219-2	6144553	AIR	0.08	1.0	0.05	ug/L		05/24/06 15:18		☐
36	H5NJN	G6E180219-3	6144553	AIR	0.04	1.0	0.03	ug/L		05/24/06 15:20		☐
37	H5NJP	G6E180219-4	6144553	AIR	0.08	1.0	0.05	ug/L		05/24/06 15:22		☐
38	H5NJQ	G6E180219-5	6144553	AIR	0.08	1.0	0.05	ug/L		05/24/06 15:24		☐
39	H5NJR	G6E180219-6	6144553	AIR	0.09	1.0	0.05	ug/L		05/24/06 15:25		☐
40	H5NJT	G6E180219-7	6144553	AIR	0.01	1.0	0.01	ug/L		05/24/06 15:27		☐
41	H5NJV	G6E180219-8	6144553	AIR	0.01	1.0	0.01	ug/L		05/24/06 15:29		☐
42	H5NJW	G6E180219-9	6144553	AIR	0.04	1.0	0.03	ug/L		05/24/06 15:31		☐
43	CCV	= 5.00			4.92	1.0	4.92	ug/L	98.4%	05/24/06 15:32		☐
44	CCB				0.01	1.0	0.01	ug/L		05/24/06 15:34		☐
45	H5NJ1	G6E180219-10	6144553	AIR	0.05	1.0	0.03	ug/L		05/24/06 15:36		☐
46	H5NJ3	G6E180219-11	6144553	AIR	0.06	1.0	0.04	ug/L		05/24/06 15:38		☐
47	H5NJ4	G6E180219-12	6144553	AIR	0.07	1.0	0.04	ug/L		05/24/06 15:40		☐
48	H5NJ5	G6E180219-13	6144553	AIR	0.05	1.0	0.03	ug/L		05/24/06 15:41		☐
49	H5NJ6	G6E180219-14	6144553	AIR	0.05	1.0	0.03	ug/L		05/24/06 15:43		☐
50	H5NJ7	G6E180219-15	6144553	AIR	0.05	1.0	0.03	ug/L		05/24/06 15:45		☐
51	CCV	= 5.00			4.90	1.0	4.90	ug/L	98.0%	05/24/06 15:46		☐
52	CCB				0.00	1.0	0.00	ug/L		05/24/06 15:48		☐

STL Sacramento

CALIBRATION CHECK SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) Instrument: STL2 (H03) Reported: 05/24/06 16:03:32

Sequence: 24MAY06C **Date:** 05/24/06 14:27 **Analyst:** merrittn **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
7	ICV	= 2.00			1.94	1.0	1.94	ug/L	97.0%	05/24/06 14:27		☐
8	ICB				0.00	1.0	0.00	ug/L		05/24/06 14:29		☐
19	CCV	= 5.00			4.95	1.0	4.95	ug/L	99.0%	05/24/06 14:50		☐
20	CCB				-0.00	1.0	-0.00	ug/L		05/24/06 14:51		☐
31	CCV	= 5.00			4.98	1.0	4.98	ug/L	99.6%	05/24/06 15:11		☐
32	CCB				-0.00	1.0	-0.00	ug/L		05/24/06 15:12		☐
43	CCV	= 5.00			4.92	1.0	4.92	ug/L	98.4%	05/24/06 15:32		☐
44	CCB				0.01	1.0	0.01	ug/L		05/24/06 15:34		☐
51	CCV	= 5.00			4.90	1.0	4.90	ug/L	98.0%	05/24/06 15:46		☐
52	CCB				0.00	1.0	0.00	ug/L		05/24/06 15:48		☐

WinHg Database 1.5

File Utility Help

Protocol STL2 Dataset/Proto 24MAY06C/STL2

Protocol | Line info | Cal Curve | Report | Ctrl Chart | Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 2.01642e-4

C -1.68135e-3

Rho .999993

Type Linear

Calibrated

Accepted

Accept

µ Abs.

49533

Accepted

New

Include S1 Rep 1 ☑ 2 ☐ 3 ☐ 4 ☐ 5 ☐

24-May-06 14:24 Conc. 10.0

S	Conc	Calc	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	-.005	-.005	-18	1	-18		
02	.20000	.203	.003	1017	0%	1017		
03	.50000	.493	-.007	2453	0%	2453		
04	1.0000	.994	-.006	4937	0%	4936		
05	5.0000	5.03	.029	24950	0%	24949		
06	10.000	9.99	-.014	49533	0%	49533		

Ready CAP NUM

CHEMIST INITIAL: NM
DATE OF RUN: 05/29/06
INSTRUMENT ID.: H-03
TYPE OF ANALYSIS: Hg
CALIBRATION STD.: 1767-19-11
ICV STD.: 1767-19-10
CCV STD.: 1767-19-11

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1	14:14:28 24 May 06	HG		
Hg	.000	ug/L	-18					
*** Standard: 2 Rep: 1				Seq: 2	14:16:15 24 May 06	HG		
Hg	.200	ug/L	1017					
*** Standard: 3 Rep: 1				Seq: 3	14:17:51 24 May 06	HG		
Hg	.500	ug/L	2453					
*** Standard: 4 Rep: 1				Seq: 4	14:19:59 24 May 06	HG		
Hg	1.00	ug/L	4936					
*** Standard: 5 Rep: 1				Seq: 5	14:22:38 24 May 06	HG		
Hg	5.00	ug/L	24949					
*** Standard: 6 Rep: 1				Seq: 6	14:24:21 24 May 06	HG		
Hg	10.0	ug/L	49533					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1		14:14:28 24 May 06		HG
Hg	.000	ug/L	-18					
*** Standard: 2 Rep: 1				Seq: 2		14:16:15 24 May 06		HG
Hg	.200	ug/L	1017					
*** Standard: 3 Rep: 1				Seq: 3		14:17:51 24 May 06		HG
Hg	.500	ug/L	2453					
*** Standard: 4 Rep: 1				Seq: 4		14:19:59 24 May 06		HG
Hg	1.00	ug/L	4936					
*** Standard: 5 Rep: 1				Seq: 5		14:22:38 24 May 06		HG
Hg	5.00	ug/L	24949					
*** Standard: 6 Rep: 1				Seq: 6		14:24:21 24 May 06		HG
Hg	10.0	ug/L	49533					
*** Sample ID: ICV				Seq: 7		14:27:59 24 May 06		HG
Hg	1.94	ug/L	.000	1.94		97%		
*** Sample ID: ICB				Seq: 8		14:29:37 24 May 06		HG
Hg	.002	ug/L	.000	.002				
*** Sample ID: H54EEB				Seq: 9		14:31:56 24 May 06		HG
			G6E240000-552					
Hg	.002	ug/L	.000	.002				
*** Sample ID: H54EEC				Seq: 10		14:33:45 24 May 06		HG
			G6E240000-552					
Hg	.988	ug/L	.000	.988		98.8%		
*** Sample ID: H54EEL				Seq: 11		14:35:22 24 May 06		HG
			G6E240000-552					
Hg	1.00	ug/L	.000	1.00		100%		
*** Sample ID: H49GR				Seq: 12		14:36:58 24 May 06		HG
			G6E120166-1					
Hg	.038	ug/L	.000	.038				
*** Sample ID: H49G2				Seq: 13		14:38:35 24 May 06		HG
			G6E120166-2					
Hg	.035	ug/L	.000	.035				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: H49G3 Seq: 14 14:40:34 24 May 06 HG
G6E120166-3

Hg	.046	ug/L	.000	.046

*** Sample ID: H49G4 Seq: 15 14:42:47 24 May 06 HG
G6E120166-4

Hg	.039	ug/L	.000	.039

*** Sample ID: H49G7 Seq: 16 14:44:35 24 May 06 HG
G6E120166-5

Hg	.037	ug/L	.000	.037

*** Sample ID: H49HA Seq: 17 14:46:22 24 May 06 HG
G6E120166-6

Hg	.043	ug/L	.000	.043

*** Sample ID: H49HC Seq: 18 14:48:30 24 May 06 HG
G6E120166-7

Hg	.052	ug/L	.000	.052

*** Sample ID: CCV Seq: 19 14:50:09 24 May 06 HG
CCV

Hg	4.95	ug/L	.000	4.95

99%

*** Sample ID: CCB Seq: 20 14:51:49 24 May 06 HG
CCB

Hg	-.001	ug/L	.000	-.001

*** Sample ID: H49HE Seq: 21 14:53:39 24 May 06 HG
G6E120166-8

Hg	.073	ug/L	.000	.073

*** Sample ID: H49HL Seq: 22 14:55:15 24 May 06 HG
G6E120166-9

Hg	.046	ug/L	.000	.046

*** Sample ID: H49HP Seq: 23 14:56:52 24 May 06 HG
G6E120166-10

Hg	.045	ug/L	.000	.045

*** Sample ID: H49HQ Seq: 24 14:59:08 24 May 06 HG
G6E120166-11

Hg	.074	ug/L	.000	.074

*** Sample ID: H49HT Seq: 25 15:00:48 24 May 06 HG
G6E120166-12

Hg	.079	ug/L	.000	.079

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: H49HX					Seq: 26	15:02:30 24 May 06	HG	
				G6E120166-13				
Hg	.074	ug/L	.000	.074				
*** Sample ID: H49H1					Seq: 27	15:04:11 24 May 06	HG	
				G6E120166-14				
Hg	.017	ug/L	.000	.017				
*** Sample ID: H49H5					Seq: 28	15:05:48 24 May 06	HG	
				G6E120166-15				
Hg	-.001	ug/L	.000	-.001				
*** Sample ID: H54E7B					Seq: 29	15:07:25 24 May 06	HG	
				G6E240000-553				
Hg	.014	ug/L	.000	.014				
*** Sample ID: H54E7C					Seq: 30	15:09:12 24 May 06	HG	
				G6E240000-553				
Hg	.979	ug/L	.000	.979		97.9%		
*** Sample ID: CCV					Seq: 31	15:11:12 24 May 06	HG	
				CCV				
Hg	4.98	ug/L	.000	4.98		99.6%		
*** Sample ID: CCB					Seq: 32	15:12:49 24 May 06	HG	
				CCB				
Hg	-.003	ug/L	.000	-.003				
*** Sample ID: H54E7L					Seq: 33	15:14:37 24 May 06	HG	
				G6E240000-553				
Hg	.992	ug/L	.000	.992		99.2%		
*** Sample ID: H5NJL					Seq: 34	15:16:36 24 May 06	HG	
				G6E180219-1				
Hg	.076	ug/L	.000	.076				
*** Sample ID: H5NJM					Seq: 35	15:18:46 24 May 06	HG	
				G6E180219-2				
Hg	.078	ug/L	.000	.078				
*** Sample ID: H5NJN					Seq: 36	15:20:46 24 May 06	HG	
				G6E180219-3				
Hg	.044	ug/L	.000	.044				
*** Sample ID: H5NJP					Seq: 37	15:22:24 24 May 06	HG	
				G6E180219-4				
Hg	.081	ug/L	.000	.081				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: H5NJQ Seq: 38 15:24:03 24 May 06 HG
G6E180219-5

Hg	.080	ug/L	.000	.080

*** Sample ID: H5NJR Seq: 39 15:25:40 24 May 06 HG
G6E180219-6

Hg	.091	ug/L	.000	.091

*** Sample ID: H5NJT Seq: 40 15:27:29 24 May 06 HG
G6E180219-7

Hg	.014	ug/L	.000	.014

*** Sample ID: H5NJV Seq: 41 15:29:09 24 May 06 HG
G6E180219-8

Hg	.015	ug/L	.000	.015

*** Sample ID: H5NJW Seq: 42 15:31:06 24 May 06 HG
G6E180219-9

Hg	.043	ug/L	.000	.043

*** Sample ID: CCV Seq: 43 15:32:46 24 May 06 HG
CCV

Hg	4.92	ug/L	.000	4.92

98.4%.

*** Sample ID: CCB Seq: 44 15:34:23 24 May 06 HG
CCB

Hg	.008	ug/L	.000	.008

*** Sample ID: H5NJ1 Seq: 45 15:36:42 24 May 06 HG
G6E180219-10

Hg	.051	ug/L	.000	.051

*** Sample ID: H5NJ3 Seq: 46 15:38:20 24 May 06 HG
G6E180219-11

Hg	.063	ug/L	.000	.063

*** Sample ID: H5NJ4 Seq: 47 15:40:08 24 May 06 HG
G6E180219-12

Hg	.068	ug/L	.000	.068

*** Sample ID: H5NJ5 Seq: 48 15:41:52 24 May 06 HG
G6E180219-13

Hg	.051	ug/L	.000	.051

*** Sample ID: H5NJ6 Seq: 49 15:43:29 24 May 06 HG
G6E180219-14

Hg	.045	ug/L	.000	.045

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: H5NJ7					Seq: 50	15:45:08 24 May 06		HG
			G6E180219-15					
Hg	.046	ug/L	.000	.046				
*** Sample ID: CCV					Seq: 51	15:46:46 24 May 06		HG
			CCV					
Hg	4.90	ug/L	.000	4.90		98.1,		
*** Sample ID: CCB					Seq: 52	15:48:26 24 May 06		HG
			CCB					
Hg	.001	ug/L	.000	.001				

SEVERN TRENT STL

STL Sacramento

Hg Data Review Checklist

Run Date: 05/24/06 **Analyst:** Merritt **Instrument** H-03

Prep Batches Run: 6144552, 6144553

Circle Methods Used: **7470A / 245.1** **7471 / 245.5**

A. Calibration/Instrument Run QC	Yes	No	N/A	2ndLevel
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within ± RL?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the high calibration standard diluted and reanalyzed?			✓	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and transcriptions checked for error?	✓			✓
4. All client / project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Analyst: Merritt Date: 05/24/06

Comments:

2nd Level Reviewer: MEX Date: 5/26/06

Comments:

Sample Preparation Log

STL SACRAMENTO
Metals - Air Toxics - Preparation Log

Date: 22-May-06 **Analyst:** merrittn **Matrix:** AIR

Fraction: Filter **SOP:** **Method:** ICPMS

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G6E220000	358	H5XGMB	2A	NA	NA	NA	100	6142358	1.2
G6E220000	358	H5XGMC	2A	NA	NA	NA	100	6142358	1.2
G6E220000	358	H5XGML	2A	NA	NA	NA	100	6142358	1.2
G6E180219	1	H5NJL	2A	9	0.75	0.75	100	6142358	1.2
G6E180219	2	H5NJM	2A	9	0.75	0.75	100	6142358	1.2
G6E180219	3	H5NJN	2A	9	0.75	0.75	100	6142358	1.2
G6E180219	4	H5NJP	2A	9	0.75	0.75	100	6142358	1.2
G6E180219	5	H5NJQ	2A	9	0.75	0.75	100	6142358	1.2
G6E180219	6	H5NJR	2A	9	0.75	0.75	100	6142358	1.2
G6E180219	7	H5NJT	2A	9	0.75	0.75	100	6142358	1.2
G6E180219	8	H5NJV	2A	9	0.75	0.75	100	6142358	1.2
G6E180219	9	H5NJW	2A	9	0.75	0.75	100	6142358	1.2
G6E180219	10	H5NJ1	2A	9	0.75	0.75	100	6142358	1.2
G6E180219	11	H5NJ3	2A	9	0.75	0.75	100	6142358	1.2
G6E180219	12	H5NJ4	2A	9	0.75	0.75	100	6142358	1.2
G6E180219	13	H5NJ5	2A	9	0.75	0.75	100	6142358	1.2
G6E180219	14	H5NJ6	2A	9	0.75	0.75	100	6142358	1.2
G6E180219	15	H5NJ7	2A	9	0.75	0.75	100	6142358	1.2
MB-control	1	F1815158	2A	9	0.75	0.75	100	6142358	1.2

For 1" filter: factor = 9 (9/1)
For 0.75" filter factor = 12 (9/0.75)

STL Sacramento
Metals Preparation Spiking Documentation Form

SEVERN TRENT STL

Lot # G6E180219

Batch Number: 6142358

EPA Analytical Method ID: 6020

Spiked Date: 05/22/06

MS Run #: N/A

EPA Prep Method ID: 2-A

Hot Plate Microwave ID: 4

Analyst Initial/Date: 05/22/06 NM

Witness Initial/Date: TP 5/22/06

Hot Plate Temp Observed: 90 Corected: 90

Correct Folder ID Witness:

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
	ICP Part 1 5% HNO_3	Ca, Mg Al, As, Ba, Se, Sn, Tl Fe,Mo,Ti Sb,Co,Pb,Mn,Ni,V,Zn Cu Cr ,Be,Cd Ag	5,000 200 100 50 25 20 5 5.6				
	ICP Part 2 2% HNO_3	K,Na P,S B,Li,Sr	5,000 1,000 100				
	Si H20/Tr HF	Si	1,000		05/22/06 NM		
	XCAL-45 5% HNO_3	Al,K,Mg,Ca,Na,Fe,P,B,Si As,Be,Cd,Cr,Co,Cu,Pb, Mn,Mo,Ni,Se,U,V,Zn,Ba, Li Sn,Sr,Ti Sb,Ag,Tl	50 10 2.5	1774-MC17-8	2.0mL	N/A	11/07
	Misc. Elements				05/22/06 NM		

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
	70% HNO_3	Mallinckrodt	C020G5		30% H_2O_2	Mallinckrodt	
	37% HCl	~~Mallinckrodt~~			49% HF	~~Fisher~~	05/22/06 NM

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 2ml of XCAL-45.
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.

QA-400 DAW 1/10/06

STL SACRAMENTO
Metals - Air Toxics - Preparation Log

Date: 22-May-06 **Analyst:** merrittn **Matrix:** AIR

Fraction: Filter **SOP:** **Method:** ICPTRACE

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G6E220000	369	H5XG2B	2A	NA	NA	NA	100	6142369	1.2
G6E220000	369	H5XG2C	2A	NA	NA	NA	100	6142369	1.2
G6E220000	369	H5XG2L	2A	NA	NA	NA	100	6142369	1.2
G6E180219	1	H5NJL	2A	9	0.75	0.75	100	6142369	1.2
G6E180219	2	H5NJM	2A	9	0.75	0.75	100	6142369	1.2
G6E180219	3	H5NJN	2A	9	0.75	0.75	100	6142369	1.2
G6E180219	4	H5NJP	2A	9	0.75	0.75	100	6142369	1.2
G6E180219	5	H5NJQ	2A	9	0.75	0.75	100	6142369	1.2
G6E180219	6	H5NJR	2A	9	0.75	0.75	100	6142369	1.2
G6E180219	7	H5NJT	2A	9	0.75	0.75	100	6142369	1.2
G6E180219	8	H5NJV	2A	9	0.75	0.75	100	6142369	1.2
G6E180219	9	H5NJW	2A	9	0.75	0.75	100	6142369	1.2
G6E180219	10	H5NJ1	2A	9	0.75	0.75	100	6142369	1.2
G6E180219	11	H5NJ3	2A	9	0.75	0.75	100	6142369	1.2
G6E180219	12	H5NJ4	2A	9	0.75	0.75	100	6142369	1.2
G6E180219	13	H5NJ5	2A	9	0.75	0.75	100	6142369	1.2
G6E180219	14	H5NJ6	2A	9	0.75	0.75	100	6142369	1.2
G6E180219	15	H5NJ7	2A	9	0.75	0.75	100	6142369	1.2
MB-control	1	F1815158	2A	9	0.75	0.75	100	6142369	1.2

For 1" filter: factor = 9 (9/1)
For 0.75" filter factor = 12 (9/0.75)

STL Sacramento
Metals Preparation Spiking Documentation Form

SEVERN TRENT STL

Lot # G6E180219

Batch Number: 6142369

EPA Analytical Method ID: 6010

Spiked Date: 05/22/06

MS Run #: N/A

EPA Prep Method ID: 2A

Hot Plate Microwave ID: 4

Analyst Initial/Date: 05/22/06 NM

Witness Initial/Date: TD 5/22/06

Hot Plate Temp Observed: 90 Corected: 90

Correct Folder ID Witness:

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
	ICP Part 1 5% HNO_3	Ca, Mg Al, As, Ba, Se, Sn, Tl Fe,Mo,Ti Sb,Co,Pb,Mn,Ni,V,Zn Cu Cr ,Be,Cd Ag	5,000 200 100 50 25 20 5 5.6	1774-Met 6-17	1.0mL	N/A	11/06
	ICP Part 2 2% HNO_3	K,Na P,S B,Li,Sr	5,000 1,000 100	1774-Met 7-10	1.0mL	N/A	11/06
	Si H20/Tr HF	Si	1,000				
	XCAL-45 5% HNO_3	Al,K,Mg,Ca,Na,Fe,P,B,Si As,Be,Cd,Cr,Co,Cu,Pb, Mn,Mo,Ni,Se,U,V,Zn,Ba, Li Sn,Sr,Tl Sb,Ag,Tl	50 10 2.5				
	Misc. Elements				05/22/06 NM		

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
	70% HNO_3	Mallinckrodt	C02065		30% H_2O_2	Mallinckrodt	05/22/06 NM
	37% HCl	Mallinckrodt			49% HF	Fisher	

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 2ml of XCAL-45.
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.

QA-400 DAW 1/10/06

STL Sacramento
Mercury Sample Preparation Log

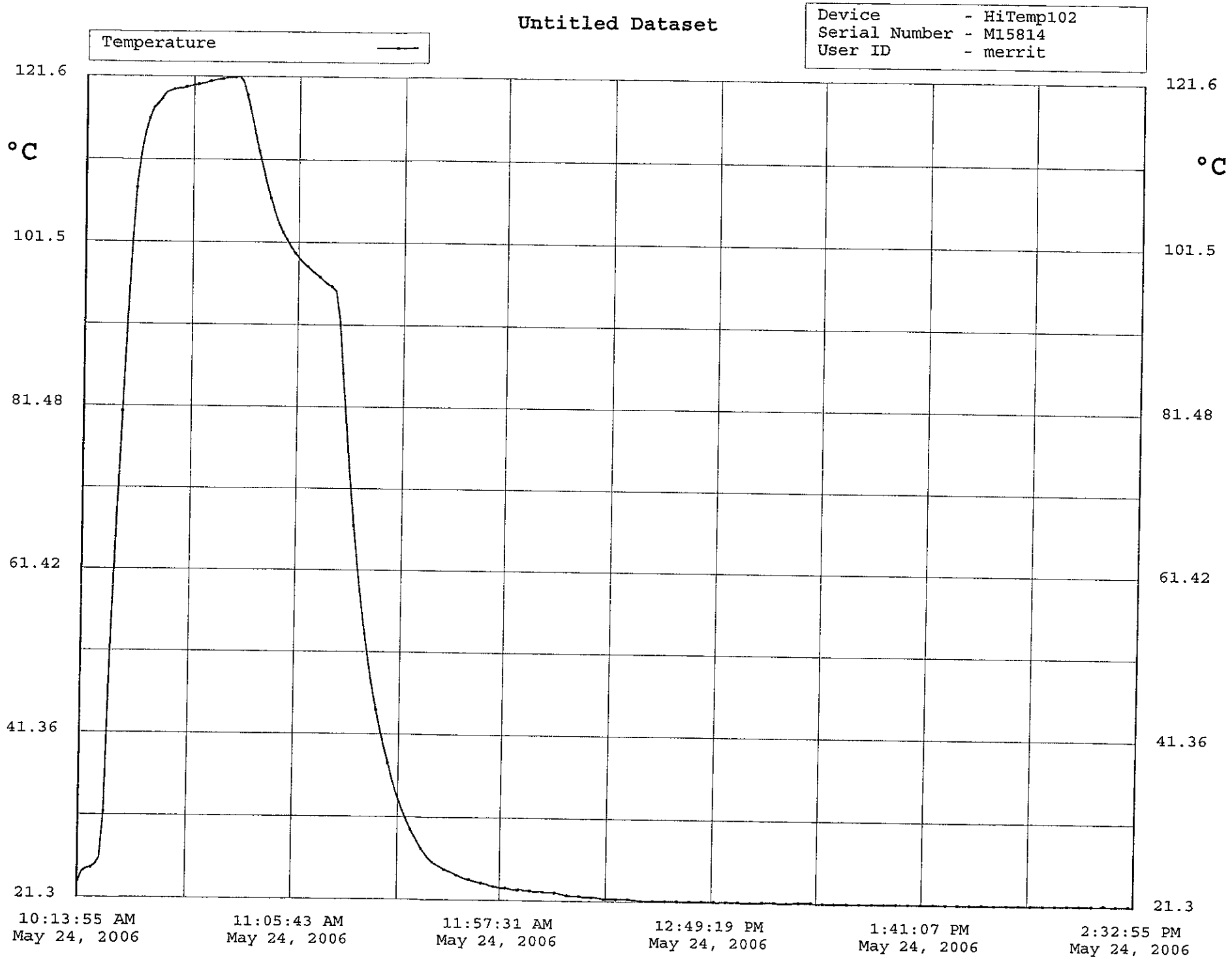
STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.				
						Chemist:	merrittn	**Date:**	05/24/06
0	Std1Rep1	NA	AQUEOUS	50	50	**SOP#:**	SAC-MT-0005		
0.2	Std2Rep1	NA	AQUEOUS	50	50	**Autoclave: Start Time:**		10:14	**End:** 12:00
0.5	Std3Rep1	NA	AQUEOUS	50	50	**Balance ID:**	QA-007	**Calibrated:**	NA
1	Std4Rep1	NA	AQUEOUS	50	50	**STANDARDS:**			
5	Std5Rep1	NA	AQUEOUS	50	50	**Initial Calibration Standard (ICV):**			
10	Std6Rep1	NA	AQUEOUS	50	50	Lot#:1767-19-10		Conc:	100ppb
ICV	ICV	NA	AQUEOUS	50	50	**Calibration Stds./CCV/Matrix Spike/LCSW**			
ICB	ICB	NA	AQUEOUS	50	50	Lot#:1767-19-11		Conc:	100ppb
G6E240000-552	H54EEB		AQUEOUS	50	50		***SOIL (0.6g/50ml)***		
G6E240000-552	H54EEC		AQUEOUS	50	50		Curve/QC (ppb)	Spike Volume	
G6E240000-552	H54EEL		AQUEOUS	50	50		0.0	0.0 ul	
G6E120166-1	H49GR		Filtr	0.75	50		0.2	100 ul	
G6E120166-2	H49G2		Filtr	0.75	50		0.5	250 ul	
G6E120166-3	H49G3		Filtr	0.75	50		1.0	0.5 ml	
G6E120166-4	H49G4		Filtr	0.75	50		5.0	2.5 ml	
G6E120166-5	H49G7		Filtr	0.75	50		10.0	5.0 ml	
G6E120166-6	H49HA		Filtr	0.75	50		CCV/5.0	2.5 ml	
G6E120166-7	H49HC		Filtr	0.75	50		LCS/1.0	0.6g/0.5 ml	
G6E120166-8	H49HE		Filtr	0.75	50		MS/SD/3.0	1.5 ml	
G6E120166-9	H49HL		Filtr	0.75	50		ICV/2.0	1.0 ml	
G6E120166-10	H49HP		Filtr	0.75	50				
G6E120166-11	H49HQ		Filtr	0.75	50		***WATER (30/30ml) , DI Leach (30/30)***		
G6E120166-12	H49HT		Filtr	0.75	50		***STLC (3/30 ml) , TCLP (6/30ml)***		
G6E120166-13	H49HX		Filtr	0.75	50		Curve/QC (ppb)	Spike Volume	
G6E120166-14	H49H1		Filtr	0.75	50		0.0	0.0 ul	
G6E120166-15	H49H5		Filtr	0.75	50		0.2	60 ul	
G6E240000-553	H54E7B		AQUEOUS	50	50		0.5	150 ul	
G6E240000-553	H54E7C		AQUEOUS	50	50		1.0	300 ul	
G6E240000-553	H54E7L		AQUEOUS	50	50		5.0	1.5 ml	
G6E180219-1	H5NJL		Filtr	0.75	50		10.0	3.0 ml	
G6E180219-2	H5NJM		Filtr	0.75	50		CCV/5.0	1.5 ml	
G6E180219-3	H5NJN		Filtr	0.75	50		LCS/1.0	300 ul	
G6E180219-4	H5NJP		Filtr	0.75	50		MS/SD/1.0	300 ul	
G6E180219-5	H5NJQ		Filtr	0.75	50		ICV/2.0	600 ul	
G6E180219-6	H5NJR		Filtr	0.75	50				
G6E180219-7	H5NJT		Filtr	0.75	50		**REAGENTS:**		
G6E180219-8	H5NJV		Filtr	0.75	50		HNO3 Lot#: C02065		
G6E180219-9	H5NJW		Filtr	0.75	50		H2SO4 Lot#: C05024		

QA392 Rev.2/21/2003

STL Sacramento
Mercury Sample Preparation Log

STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.	Chemist:	merrittn	Date:	05/24/06
G6E180219-10	H5NJ1		Filtr	0.75	50		KMnO4 Lot# 2626-MET-38-7		
G6E180219-11	H5NJ3		Filtr	0.75	50		K2S2O8 Lot#: 2626-MET-38-6		
G6E180219-12	H5NJ4		Filtr	0.75	50		NaCl(NH2OH)2 2626-37-6		
G6E180219-13	H5NJ5		Filtr	0.75	50		SnCL2 Lot#:2626-40-2		
G6E180219-14	H5NJ6		Filtr	0.75	50				
G6E180219-15	H5NJ7		Filtr	0.75	50				
CCV	CCV		AQUEOUS	50	50				
CCV	CCV		AQUEOUS	50	50				
CCB	CCB		AQUEOUS	50	50				
CCB	CCB		AQUEOUS	50	50				

QA392 Rev.2/21/2003


Untitled Dataset
Device - HiTemp102
Serial Number - M15814
User ID - merrit
Temperature
°C
121.6
101.5
81.48
61.42
41.36
21.3
10:13:55 AM May 24, 2006
11:05:43 AM May 24, 2006
11:57:31 AM May 24, 2006
12:49:19 PM May 24, 2006
1:41:07 PM May 24, 2006
2:32:55 PM May 24, 2006

Device Name:	**HiTemp102**
Device Description:	**Temperature Recorder**
Serial Number:	**M15814**
User ID:	**merrit**

Reading Number	Date and Time	Channel 1 Temperature (°C)
1	2006-05-24 10:13:55	23.3
2	2006-05-24 10:14:55	24.4
3	2006-05-24 10:15:55	24.8
4	2006-05-24 10:16:55	24.9
5	2006-05-24 10:17:55	25.3
6	2006-05-24 10:18:55	26.1
7	2006-05-24 10:19:55	31.7
8	2006-05-24 10:20:55	51.2
9	2006-05-24 10:21:55	67.6
10	2006-05-24 10:22:55	80.8
11	2006-05-24 10:23:55	92.1
12	2006-05-24 10:24:55	101.2
13	2006-05-24 10:25:55	108.1
14	2006-05-24 10:26:55	112.1
15	2006-05-24 10:27:55	114.8
16	2006-05-24 10:28:55	116.5
17	2006-05-24 10:29:55	117.8
18	2006-05-24 10:30:55	118.3
19	2006-05-24 10:31:55	118.9
20	2006-05-24 10:32:55	119.6
21	2006-05-24 10:33:55	119.8
22	2006-05-24 10:34:55	120
23	2006-05-24 10:35:55	120.1
24	2006-05-24 10:36:55	120.1
25	2006-05-24 10:37:55	120.3
26	2006-05-24 10:38:55	120.4
27	2006-05-24 10:39:55	120.5
28	2006-05-24 10:40:55	120.6
29	2006-05-24 10:41:55	120.7
30	2006-05-24 10:42:55	120.8
31	2006-05-24 10:43:55	121
32	2006-05-24 10:44:55	121.1
33	2006-05-24 10:45:55	121.2
34	2006-05-24 10:46:55	121.3
35	2006-05-24 10:47:55	121.4
36	2006-05-24 10:48:55	121.4
37	2006-05-24 10:49:55	121.5
38	2006-05-24 10:50:55	121.6
39	2006-05-24 10:51:55	121
40	2006-05-24 10:52:55	119.3
41	2006-05-24 10:53:55	117.1
42	2006-05-24 10:54:55	114.9
43	2006-05-24 10:55:55	112.6
44	2006-05-24 10:56:55	110.6
45	2006-05-24 10:57:55	108.6

AIR, TSP & PM-10

RQC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEET

Run Date: 5/23/06
Time: 16:01:20

STL Sacramento

PRODUCTION FIGURES - WET CHEM

TOTAL NUMBER	SAMPLE NUMBER	QC	RE-RUN MATRIX	RE-RUN OTHER	MISC NUMBER	TOTAL HOURS	EXPANDED DELIVERABLE

METHOD: JR Particulate Matter as PM10 "PM10 HiVol" (CFR50-J)
QC BATCH #: **6143578**
PREP DATE: 5/20/06 9:22
COMP DATE: 5/22/06 9:30
USER: VALMORES

INITIALS:
PREP
ANAL

DATA ENTRY:
INITIALS
DATE 5/23/06

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
H5NJW-1-AA	G-6E180219-009	XX S 88 JR 01	Y-D	5/22/06	P-0630
H5NJ1-1-AD	G-6E180219-010	XX S 88 JR 01	Y-D		P-0631
H5NJ3-1-AD	G-6E180219-011	XX S 88 JR 01	Y-D		P-0632
H5NJ4-1-AD	G-6E180219-012	XX S 88 JR 01	Y-D		P-0633
H5NJ5-1-AD	G-6E180219-013	XX S 88 JR 01	Y-D		P-0634
H5NJ6-1-AD	G-6E180219-014	XX S 88 JR 01	Y-D		P-0635
H5NJ7-1-AD	G-6E180219-015	XX S 88 JR 01	Y-D		P-0636

Control Limits

STL Sacramento

Air Toxics Laboratory

SEVERN TRENT STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: G6E180219 -> 9 -> 15 Batch #: 6143578

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 5/23/06 ANALYST: SNalmores

LEVEL 1 ANALYSIS REVIEW	YES	NO	NA
1. Samples are in good condition.	✓		
2. Sample filter number matches the folder or petri ID number.	✓		
3. Desiccator temperature and % humidity criteria in control.	✓		
4. Balance calibration criteria met.	✓		
5. Beginning and ending calibration sample bracket weights are in calibration.	✓		
6. Samples reached stable weight.	✓		
7. Samples exceeded 5 consecutive final weighings.			✓
LEVEL 1 DATA REVIEW			
1. Benchsheet is complete.	✓		
2. QAS or QAPP consulted and followed for client specifics.	✓		
3. Data entered in properly.	✓		
4. Copy of spreadsheet or logbook raw data entry attached to data package.	✓		
5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.			✓

Completed By & Date: SN 5/23/06

LEVEL 2 REVIEW:			
1. Level 1 checklist complete and verified.	✓		
2. Deviations, Anomalies, Holding times checked and approved.	✓		
3. Reanalysis documented and chemist notified.			✓
4. Client specific criteria met.	✓		
5. Data entry checked and released in Quantims.	✓		
6. Indication on benchsheet or spreadsheet on review and released (dated & signed).	✓		

Completed By & Date: 5/30/06

Comments: ~~28~~ 18

SOP# : Sac-IP-0006

GRAVIMETRIC BALANCE: QA-45

Severn Trent Laboratories

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
	5 g wt	5.0001 041006skv1525	5.0001 041106skv1347	5.0001 052006skv0922	5.0004 052206skv0926					0.0003
H49HA	pmbc041006-626	4.5236 041006skv1526	4.5231 041106skv1348	4.5401 051706skv0913	4.5397 051906skv1050					0.0166
H49HC	pmbc041006-627	4.5217 041006skv1526	4.5212 041106skv1348	4.5379 051706skv0913	4.5374 051906skv1051					0.0162
	pmbc041006-628	4.5427 041006skv1526	4.5426 041106skv1349							NC
	pmbc041006-629	4.5346 041006skv1527	4.5341 041106skv1349							NC
H5NJW	pmbc041006-630	4.5375 041006skv1527	4.5370 041106skv1350	4.5728 052006skv0922	4.5729 052206skv0927					0.0359
H5NJ1	pmbc041006-631	4.5313 041006skv1527	4.5313 041106skv1351	4.5609 052006skv0923	4.5612 052206skv0927					0.0299
H5NJ3	pmbc041006-632	4.5063 041006skv1528	4.5059 041106skv1351	4.5462 052006skv0923	4.5467 052206skv0928					0.0408
H5NJ4	pmbc041006-633	4.5091 041006skv1528	4.5095 041106skv1353	4.5569 052006skv0923	4.5566 052206skv0928					0.0471
H5NJ5	pmbc041006-634	4.5172 041006skv1528	4.5177 041106skv1353	4.5487 052006skv0924	4.5488 052206skv0929					0.0311
H5NJ6	pmbc041006-635	4.5076 041006skv1529	4.5079 041106skv1353	4.5390 052006skv0924	4.5385 052206skv0929					0.0306
	5 g wt	5.0001 041006skv1529	5.0000 041106skv1354	4.9997 051706skv0914	4.9998 051906skv1052					-0.0002
	5 g wt	5.0001 041006skv1529	5.0000 041106skv1354	4.9998 052006skv0924	4.9999 052206skv0930					-0.0001
H5NJ7	pmbc041006-636	4.5216 041006skv1529	4.5217 041106skv1354	4.5585 052006skv0925	4.5586 052206skv0930					0.0369
	pmbc041006-637	4.5184 041006skv1530	4.5183 041106skv1354							NC
	pmbc041006-638	4.5241 041006skv1530	4.5242 041106skv1355							NC

rev 020303
N:/atg/air/airgrav3k.xls

Page 1/2 Batch#: 6143578

Reviewed by: 5/30/06

SOP# : Sac-IP-0006

GRAVIMETRIC BALANCE: QA-45

Severn Trent Laboratories

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
	pmbc041006-639	4.5279 041006skv1530	4.5280 041106skv1355							NC
	pmbc041006-640	4.5119 041006skv1531	4.5123 041106skv1355							NC
	pmbc041006-641	4.5164 041006skv1531	4.5163 041106skv1356							NC
	pmbc041006-642	4.5367 041006skv1531	4.5370 041106skv1356							NC
	pmbc041006-643	4.5235 041006skv1532	4.5232 041106skv1356							NC
	pmbc041006-644	4.5338 041006skv1532	4.5338 041106skv1358							NC
	pmbc041006-645	4.5140 041006skv1532	4.5137 041106skv1358							NC
	5 g wt	5.0002 041006skv1533	5.0003 041106skv1359	5.0001 052006skv0925	5.0005 052206skv0930					0.0002

rev 020303

N:/atg/air/airgrav3k.xls

Page 2/2 Batch#: 6143578

Reviewed by: 5/30/06

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch **6143578**

Date 5/30/2006
Time 9:25:56

Method Code:**JR Particulate Matter as PM10 "PM10 HiVol" (CFR50-J)**
Analyst:**Steve Valmores**

Work Order	Result	Units	LDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Result	Output LDL	Dil.
H5NJW-1-AA	0.0359	g	0.0001	05/20-05/22/06	.00	N	R	0.0359	0.0001	1.00
H5NJ1-1-AD	0.0299	g	0.0001	05/20-05/22/06	.00	N	R	0.0299	0.0001	1.00
H5NJ3-1-AD	0.0408	g	0.0001	05/20-05/22/06	.00	N	R	0.0408	0.0001	1.00
H5NJ4-1-AD	0.0471	g	0.0001	05/20-05/22/06	.00	N	R	0.0471	0.0001	1.00
H5NJ5-1-AD	0.0311	g	0.0001	05/20-05/22/06	.00	N	R	0.0311	0.0001	1.00
H5NJ6-1-AD	0.0306	g	0.0001	05/20-05/22/06	.00	N	R	0.0306	0.0001	1.00
H5NJ7-1-AD	0.0369	g	0.0001	05/20-05/22/06	.00	N	R	0.0369	0.0001	1.00

Notes:

PRODUCTION TOTALS

TEST	TOTAL #	SAMPLE #	QC #	MATRIX #	OTHER #	MISC #	HOURS
	0	0	0	0	0	0	.0

RQC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEET

Run Date: 5/23/06
Time: 16:04:12

STL Sacramento

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 #: **6143577**
PREP DATE: 5/20/06 9:15
COMP DATE: 5/22/06 9:24
USER: VALMORES

INITIALS: PREP ____ ANAL ____

DATA ENTRY: INITIALS ____ DATE 5/23/06

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
H5NJL-1-AA	G-6E180219-001	XX S 88 AO 3W	Y-D	5/22/06	000458
H5NJM-1-AD	G-6E180219-002	XX S 88 AO 3W	Y-D		000459
H5NJN-1-AD	G-6E180219-003	XX S 88 AO 3W	Y-D		000460
H5NJP-1-AD	G-6E180219-004	XX S 88 AO 3W	Y-D		000461
H5NJQ-1-AD	G-6E180219-005	XX S 88 AO 3W	Y-D		000462
H5NJR-1-AD	G-6E180219-006	XX S 88 AO 3W	Y-D		000463
H5NJT-1-AD	G-6E180219-007	XX S 88 AO 3W	Y-D		000464
H5NJV-1-AD	G-6E180219-008	XX S 88 AO 3W	Y-D		000465

Control Limits

STL Sacramento

Air Toxics Laboratory

SEVERN TRENT STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: G6E180219 - 1 → 8 Batch #: 6143577

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 5/23/06 ANALYST: S Valmores

LEVEL 1 ANALYSIS REVIEW	YES	NO	NA
1. Samples are in good condition.	✓		
2. Sample filter number matches the folder or petri ID number.	✓		
3. Desiccator temperature and % humidity criteria in control.	✓		
4. Balance calibration criteria met.	✓		
5. Beginning and ending calibration sample bracket weights are in calibration.	✓		
6. Samples reached stable weight.	✓		
7. Samples exceeded 5 consecutive final weighings.			✓
LEVEL 1 DATA REVIEW			
1. Benchsheet is complete.	✓		
2. QAS or QAPP consulted and followed for client specifics.	✓		
3. Data entered in properly.	✓		
4. Copy of spreadsheet or logbook raw data entry attached to data package.	✓		
5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.			✓

Completed By & Date: SV 5/23/06

LEVEL 2 REVIEW:			
1. Level 1 checklist complete and verified.	✓		
2. Deviations, Anomalies, Holding times checked and approved.	✓		
3. Reanalysis documented and chemist notified.			✓
4. Client specific criteria met.	✓		
5. Data entry checked and released in Quantims.	✓		
6. Indication on benchsheet or spreadsheet on review and released (dated & signed).	✓		

Completed By & Date: GL 5/30/06

Comments: des 1B

SOP# : Sac-IP-0006

GRAVIMETRIC BALANCE: QA-45

Severn Trent Laboratories

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
	5 g wt	4.9999 041006skv1511	5.0005 041106skv1410	4.9998 052006skv0915	5.0002 052206skv0920					-0.0003
H49HL	bctsp041006-451	4.2493 041006skv1511	4.2496 041106skv1410	4.2881 051706skv0903	4.2885 051906skv1039					0.0389
H49HP	bctsp041006-452	4.2638 041006skv1511	4.2643 041106skv1411	4.3072 051706skv0903	4.3072 051906skv1039					0.0429
H49HQ	bctsp041006-453	4.2604 041006skv1512	4.2602 041106skv1411	4.3117 051706skv0904	4.3121 051906skv1039					0.0519
H49HT	bctsp041006-454	4.2585 041006skv1512	4.2582 041106skv1412	4.3036 051706skv0904	4.3040 051906skv1040					0.0458
H49HX	bctsp041006-455	4.2703 041006skv1512	4.2707 041106skv1412	4.3184 051706skv0904	4.3189 051906skv1040					0.0482
H49H1	bctsp041006-456	4.2612 041006skv1512	4.2617 041106skv1412	4.2598 051706skv0905	4.2603 051906skv1041					-0.0014
H49H5	bctsp041006-457	4.2675 041006skv1513	4.2672 041106skv1413	4.2655 051706skv0906	4.2660 051906skv1041					-0.0012
H5NJL	bctsp041006-458	4.2736 041006skv1514	4.2736 041106skv1413	4.3830 052006skv0916	4.3829 052206skv0921					0.1093
H5NJM	bctsp041006-459	4.2656 041006skv1514	4.2656 041106skv1413	4.3441 052006skv0916	4.3436 052206skv0921					0.0780
H5NJN	bctsp041006-460	4.2675 041006skv1515	4.2677 041106skv1414	4.3141 052006skv0917	4.3138 052206skv0921					0.0461
	5 g wt	5.0001 041006skv1515	5.0005 041106skv1414	5.0003 051706skv0906	5.0004 051906skv1042					-0.0001
	5 g wt	5.0001 041006skv1515	5.0005 041106skv1414	4.9999 052006skv0917	5.0001 052206skv0922					-0.0004
H5NJP	bctsp041006-461	4.2628 041006skv1515	4.2632 041106skv1415	4.3229 052006skv0918	4.3226 052206skv0922					0.0594
H5NJQ	bctsp041006-462	4.2705 041006skv1516	4.2707 041106skv1415	4.3524 052006skv0918	4.3521 052206skv0923					0.0814
H5NJR	bctsp041006-463	4.2641 041006skv1516	4.2644 041106skv1415	4.3579 052006skv0918	4.3574 052206skv0923					0.0930

rev 020303

N:/atg/air/airgrav3k.xls

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Reviewed by: 5/30/06

SOP# : Sac-IP-0006

GRAVIMETRIC BALANCE: QA-45

Severn Trent Laboratories

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
H5NJT	bctsp041006-464	4.2586 041006skv1517	4.2589 041106skv1416	4.2585 052006skv0919	4.2580 052206skv0923					-0.0009
H5NJV	bctsp041006-465	4.2600 041006skv1517	4.2604 041106skv1416	4.2583 052006skv0920	4.2582 052206skv0924					-0.0022
	bctsp041006-466	4.2625 041006skv1518	4.2630 041106skv1417							NC
	bctsp041006-467	4.2658 041006skv1521	4.2658 041106skv1420							NC
	bctsp041006-468	4.2802 041006skv1521	4.2803 041106skv1421							NC
	bctsp041006-469	4.2761 041006skv1522	4.2761 041106skv1423							NC
	bctsp041006-470	4.2768 041006skv1522	4.2772 041106skv1424							NC
	5 g wt	4.9998 041006skv1522	5.0004 041106skv1425	5.0002 052006skv0920	5.0000 052206skv0924					-0.0004

rev 020303

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Reviewed by: 5/30/06

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch **6143577**

Date 5/30/2006
Time 9:21:10

Method Code: **AO Particulates in Air, Suspended "TSP HiVol" (APP B)**
Analyst: **Steve Valmores**

Work Order	Result	Units	LDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Result	Output LDL	Dil.
H5NJL-1-AA	0.1093	g	0.0001	05/20-05/22/06	.00	N	R	0.1093	0.0001	1.00
H5NJM-1-AD	0.0780	g	0.0001	05/20-05/22/06	.00	N	R	0.0780	0.0001	1.00
H5NJN-1-AD	0.0461	g	0.0001	05/20-05/22/06	.00	N	R	0.0461	0.0001	1.00
H5NJP-1-AD	0.0594	g	0.0001	05/20-05/22/06	.00	N	R	0.0594	0.0001	1.00
H5NJQ-1-AD	0.0814	g	0.0001	05/20-05/22/06	.00	N	R	0.0814	0.0001	1.00
H5NJR-1-AD	0.0930	g	0.0001	05/20-05/22/06	.00	N	R	0.0930	0.0001	1.00
H5NJT-1-AD	ND	g	0.0001	05/20-05/22/06	.00	N	R	ND	0.0001	1.00
H5NJV-1-AD	ND	g	0.0001	05/20-05/22/06	.00	N	R	ND	0.0001	1.00

Notes:

PRODUCTION TOTALS

TEST	TOTAL #	SAMPLE #	QC #	MATRIX #	OTHER #	MISC #	HOURS
	0	0	0	0	0	0	.0