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 26, 2006

STL SACRAMENTO PROJECT NUMBER: G6E120166
PO/CONTRACT: 129682.001/Event 78

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 12, 2006. These samples are associated with Event 78.

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 PROJECT NUMBER G6E120166

Case Narrative

STL Sacramento Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, Metals - Various Methods
Samples: 1 through 15
- Sample Data Sheets
- Method Blank Report
- Laboratory QC Reports

AIR, PM-10
Samples: 1 through 7
AIR, TSP
Samples: 8 through 15
- Sample Data Sheets

Raw Data Package

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G6E120166

AIR, TSP
The final weights for samples 000456 and 000457 were less than the initial weights so 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
G6E120166

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
H49GR	1	P-0621	5/10/2006 10:10 AM	5/12/2006 09:05 AM
H49G2	2	P-0622	5/10/2006 10:30 AM	5/12/2006 09:05 AM
H49G3	3	P-0623	5/10/2006 10:45 AM	5/12/2006 09:05 AM
H49G4	4	P-0624	5/10/2006 11:20 AM	5/12/2006 09:05 AM
H49G7	5	P-0625	5/10/2006 12:00 PM	5/12/2006 09:05 AM
H49HA	6	P-0626	5/10/2006 12:15 PM	5/12/2006 09:05 AM
H49HC	7	P-0627	5/10/2006 10:15 AM	5/12/2006 09:05 AM
H49HE	8	000450	5/10/2006 10:20 AM	5/12/2006 09:05 AM
H49HL	9	000451	5/10/2006 10:35 AM	5/12/2006 09:05 AM
H49HP	10	000452	5/10/2006 10:50 AM	5/12/2006 09:05 AM
H49HQ	11	000453	5/10/2006 11:25 AM	5/12/2006 09:05 AM
H49HT	12	000454	5/10/2006 12:05 PM	5/12/2006 09:05 AM
H49HX	13	000455	5/10/2006 12:20 PM	5/12/2006 09:05 AM
H49H1	14	000456	5/10/2006 12:25 PM	5/12/2006 09:05 AM
H49H5	15	000457	5/10/2006 12:10 PM	5/12/2006 09:05 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 78

YERA000155

☒ 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-0621	5/10/06	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-0622		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-0623		10:45		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-0624		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)					----	
05	P-0625		12:00		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-0626		12:15		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-0627		10:15		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:	DATE 5/11/06	TIME 16:00	COOLER I.D.:			COMMENTS (see note on back):
RECEIVED BY: Cheng Vue	DATE 5/12/06	TIME 9:25	RELINQUISHED BY:	DATE / /	TIME :	
RECORD RETURNED BY:	DATE / /	TIME :				
COURIER: FEDEX			SHIPPING NUMBER: 7909 9328870			

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.

G6E120166
STL Sacramento (916) 373 - 5600
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BROWN AND CALDWELL

CHAIN OF CUSTODY RECORD

COC No. _____

Event 78

YERA000156

☐ 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 Qity

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	000450	5/19/06	10:20	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	000451		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	000452		10:50		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
04	000453		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)					----	
05	000454		12:05		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
06	000455		12:20		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
07	000456		12:25		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
08	000457		12:10		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: [signature]	DATE 5/19/06	TIME 16:40	COOLER I.D.:			COMMENTS (see note on back):
RECEIVED BY: [signature]	DATE 5/20/06	TIME 9:25	RELINQUISHED BY:	DATE / /	TIME :	
RECORD RETURNED BY:	DATE / /	TIME :				
COURIER: FEDEX			SHIPPING NUMBER: 7909 1932 8870			

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.

SEVERN TRENT STL

LOT RECEIPT CHECKLIST
STL Sacramento

CLIENT Brown & Caldwell PM KD LOG # 38800

LOT# (QUANTIMS ID) G6E120166 QUOTE# 6264 LOCATION AC

	Initials	Date
DATE RECEIVED 5/12/06 TIME RECEIVED 0905	CN	5/12/06

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

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A

CUSTODY SEAL #(S)

SHIPPPING CONTAINER(S) ☐ STL ☑ 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 ☑ Not on COC

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW _____ ☑ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM ☑ N/A

VOA-ENCORES ☑ N/A

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

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

☐ Clouseau ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☑ N/A

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

Notes:

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

NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE. "N/A" ENTRIES.

SEVERN TRENT STL

Bottle Lot Inventory

Lot ID: G6E120166

	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

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AIR, Metals - Various Methods

Brown and Caldwell

Client Sample ID: P-0621

TOTAL Metals

Lot-Sample #...: G6E120166-001 **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6139501						
Silver	**0.027 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49GR1AH**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49GR1AJ
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H49GR1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49GR1AL
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.093 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49GR1AM**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49GR1AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49GR1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**36.2**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49GR1AQ**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**13.4**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49GR1AR**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49GR1AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	**5.5 B**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49GR1AU**
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**3.6**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49GR1AV**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49GR1AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.7 B**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49GR1AX**
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0621

TOTAL Metals

Lot-Sample #...: G6E120166-001 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**11.9 B**	**24.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49GR1A0**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6139502						
Aluminum	**287**	**240**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49GR1AC**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/22-05/25/06	H49GR1AD
		Dilution Factor: 1		MDL.....: 898		
Iron	**335**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49GR1AE**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**213 B**	**600**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49GR1AF**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H49GR1AG
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144552						
Mercury	**0.023 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H49GR1A1**
		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-0622

TOTAL Metals

Lot-Sample #....: G6E120166-002 **Matrix.....:** AIR
Date Sampled....: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 6139501						
Silver	**0.020 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G21AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49G21AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H49G21AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49G21AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.099 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G21AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49G21AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49G21AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**14.9**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G21AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**13.6**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G21AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49G21AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	**4.6 B**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G21AW**
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**3.6**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G21AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49G21A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.6 B**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G21A1**
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0622

TOTAL Metals

Lot-Sample #...: G6E120166-002 **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**	**H49G21AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #....: 6139502						
Aluminum	**285**	**240**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49G21AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/22-05/25/06	H49G21AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**337**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49G21AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**207 B**	**600**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49G21AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H49G21AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #....: 6144552						
Mercury	**0.021 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H49G21AC**
		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-0623

TOTAL Metals

Lot-Sample #...: G6E120166-003 **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6139501						
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49G31AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49G31AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H49G31AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49G31AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.079 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G31AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49G31AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49G31AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**35.6**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G31AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**12.7**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G31AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49G31AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	**3.9 B**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G31AW**
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**3.7**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G31AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49G31A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.6 B**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G31A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0623

TOTAL Metals

Lot-Sample #...: G6E120166-003 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**10.1 B**	**24.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G31AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6139502						
Aluminum	**253**	**240**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49G31AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/22-05/25/06	H49G31AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**315**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49G31AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**195 B**	**600**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49G31AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H49G31AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144552						
Mercury	**0.028 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H49G31AC**
		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-0624

TOTAL Metals

Lot-Sample #...: G6E120166-004 **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6139501						
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49G41AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49G41AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H49G41AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49G41AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.080 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G41AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49G41AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49G41AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**20.8**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G41AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**12.9**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G41AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49G41AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49G41AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**4.1**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G41AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49G41A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.3 B**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G41A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0624

TOTAL Metals

Lot-Sample #...: G6E120166-004 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**12.3 B**	**24.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G41AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #....: 6139502						
Aluminum	**299**	**240**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49G41AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/22-05/25/06	H49G41AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**363**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49G41AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**214 B**	**600**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49G41AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H49G41AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #....: 6144552						
Mercury	**0.023 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H49G41AC**
		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-0625

TOTAL Metals

Lot-Sample #...: G6E120166-005 **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6139501						
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49G71AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49G71AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H49G71AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49G71AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.076 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G71AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49G71AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49G71AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**13.2**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G71AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**12.3**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G71AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49G71AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49G71AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**3.5**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G71AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49G71A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.5 B**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G71A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0625

TOTAL Metals

Lot-Sample #....: G6E120166-005 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**9.8 B**	**24.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49G71AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #....: 6139502						
Aluminum	**288**	**240**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49G71AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/22-05/25/06	H49G71AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**341**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49G71AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**218 B**	**600**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49G71AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H49G71AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #....: 6144552						
Mercury	**0.022 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H49G71AC**
		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-0626

TOTAL Metals

Lot-Sample #...: G6E120166-006 **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6139501						
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49HA1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49HA1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H49HA1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49HA1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.074 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HA1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49HA1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49HA1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**19.0**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HA1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**13.1**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HA1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49HA1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49HA1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**3.1**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HA1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49HA1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.2 B**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HA1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0626

TOTAL Metals

Lot-Sample #...: G6E120166-006 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**8.6 B**	**24.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HA1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6139502						
Aluminum	**298**	**240**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HA1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/22-05/25/06	H49HA1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**348**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HA1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**234 B**	**600**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HA1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H49HA1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144552						
Mercury	**0.026 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H49HA1AC**
		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-0627

TOTAL Metals

Lot-Sample #...: G6E120166-007 **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6139501						
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49HC1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49HC1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H49HC1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49HC1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.093 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HC1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49HC1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49HC1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**32.9**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HC1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**12.5**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HC1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49HC1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49HC1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**3.5**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HC1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49HC1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.2 B**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HC1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0627

TOTAL Metals

Lot-Sample #...: G6E120166-007 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**8.9 B**	**24.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HC1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6139502						
Aluminum	**291**	**240**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HC1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/22-05/25/06	H49HC1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**355**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HC1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**234 B**	**600**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HC1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H49HC1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144552						
Mercury	**0.031 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H49HC1AC**
		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: 000450

TOTAL Metals

Lot-Sample #...: G6E120166-008 **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6139501						
Silver	**0.074 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HE1AH**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**1.9 B**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HE1AJ**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H49HE1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49HE1AL
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.11 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HE1AM**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49HE1AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49HE1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**217**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HE1AQ**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**28.5**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HE1AR**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49HE1AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49HE1AU
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**4.9**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HE1AV**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49HE1AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**4.3 B**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HE1AX**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000450

TOTAL Metals

Lot-Sample #...: G6E120166-008 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**12.7 B**	**24.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HE1A0**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #....: 6139502						
Aluminum	**670**	**240**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HE1AC**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	**1110 B**	**3000**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HE1AD**
		Dilution Factor: 1		MDL.....: 898		
Iron	**814**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HE1AE**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**423 B**	**600**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HE1AF**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H49HE1AG
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144552						
Mercury	**0.044 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H49HE1A1**
		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: 000451

TOTAL Metals

Lot-Sample #....: G6E120166-009 **Matrix.....:** AIR
Date Sampled....: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 6139501						
Silver	**0.032 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HL1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**2.0 B**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HL1AL**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H49HL1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49HL1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.11 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HL1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49HL1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49HL1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**122**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HL1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**26.4**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HL1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49HL1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49HL1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**4.2**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HL1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49HL1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**4.1 B**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HL1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000451

TOTAL Metals

Lot-Sample #....: G6E120166-009 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**12.2 B**	**24.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HL1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #....: 6139502						
Aluminum	**607**	**240**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HL1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	**1050 B**	**3000**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HL1AF**
		Dilution Factor: 1		MDL.....: 898		
Iron	**690**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HL1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**377 B**	**600**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HL1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H49HL1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #....: 6144552						
Mercury	**0.028 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H49HL1AC**
		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: 000452

TOTAL Metals

Lot-Sample #...: G6E120166-010 **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6139501						
Silver	**0.052 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HP1AM**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49HP1AN
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H49HP1AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49HP1AQ
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.10 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HP1AR**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49HP1AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49HP1AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**163**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HP1AV**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**25.3**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HP1AW**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49HP1AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49HP1A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**4.7**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HP1A1**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49HP1AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**4.3 B**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HP1AC**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000452

TOTAL Metals

Lot-Sample #...: G6E120166-010 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**13.6 B**	**24.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HP1AD**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6139502						
Aluminum	**633**	**240**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HP1AG**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	**1140 B**	**3000**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HP1AH**
		Dilution Factor: 1		MDL.....: 898		
Iron	**774**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HP1AJ**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**411 B**	**600**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HP1AK**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H49HP1AL
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144552						
Mercury	**0.027 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H49HP1AE**
		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: 000453

TOTAL Metals

Lot-Sample #...: G6E120166-011 **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6139501						
Silver	**0.071 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HQ1AM**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**2.3 B**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HQ1AN**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H49HQ1AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49HQ1AQ
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.15 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HQ1AR**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49HQ1AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49HQ1AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**174**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HQ1AV**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**30.8**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HQ1AW**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49HQ1AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49HQ1A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**5.7**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HQ1A1**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49HQ1AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**4.5 B**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HQ1AC**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000453

TOTAL Metals

Lot-Sample #....: G6E120166-011 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**23.5 B**	**24.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HQ1AD**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #....: 6139502						
Aluminum	**800**	**240**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HQ1AG**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	**1330 B**	**3000**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HQ1AH**
		Dilution Factor: 1		MDL.....: 898		
Iron	**966**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HQ1AJ**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**512 B**	**600**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HQ1AK**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H49HQ1AL
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #....: 6144552						
Mercury	**0.044 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H49HQ1AE**
		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: 000454

TOTAL Metals

Lot-Sample #...: G6E120166-012 **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6139501						
Silver	**0.025 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HT1AM**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**2.3 B**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HT1AN**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H49HT1AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49HT1AQ
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.15 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HT1AR**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49HT1AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49HT1AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**103**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HT1AV**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**27.7**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HT1AW**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49HT1AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49HT1A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**4.5**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HT1A1**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49HT1AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**4.5 B**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HT1AC**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000454

TOTAL Metals

Lot-Sample #....: G6E120166-012 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**14.1 B**	**24.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HT1AD**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #....: 6139502						
Aluminum	**671**	**240**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HT1AG**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	**1230 B**	**3000**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HT1AH**
		Dilution Factor: 1		MDL.....: 898		
Iron	**822**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HT1AJ**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**461 B**	**600**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HT1AK**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H49HT1AL
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #....: 6144552						
Mercury	**0.047 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H49HT1AE**
		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: 000455

TOTAL Metals

Lot-Sample #...: G6E120166-013 **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6139501						
Silver	**0.026 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HX1AM**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**2.4 B**	**3.6**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HX1AN**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H49HX1AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.014 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HX1AQ**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.11 B**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HX1AR**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49HX1AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49HX1AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**96.4**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HX1AV**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**30.3**	**6.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HX1AW**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49HX1AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49HX1A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**4.3**	**1.2**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HX1A1**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49HX1AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**4.2 B**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HX1AC**
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000455

TOTAL Metals

Lot-Sample #...: G6E120166-013 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**14.5 B**	**24.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49HX1AD**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6139502						
Aluminum	**714**	**240**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HX1AG**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	**1250 B**	**3000**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HX1AH**
		Dilution Factor: 1		MDL.....: 898		
Iron	**842**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HX1AJ**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**478 B**	**600**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49HX1AK**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H49HX1AL
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6144552						
Mercury	**0.044 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H49HX1AE**
		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: 000456

TOTAL Metals

Lot-Sample #....: G6E120166-014 **Matrix.....:** AIR
Date Sampled....: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 6139501						
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49H11AM
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49H11AN
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H49H11AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49H11AQ
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49H11AR
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49H11AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49H11AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49H11AV
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49H11AW
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49H11AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49H11A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49H11A1
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49H11AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49H11AC
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000456

TOTAL Metals

Lot-Sample #....: G6E120166-014 **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	H49H11AD
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #....: 6139502						
Aluminum	ND	240	ug	SW846 6010B	05/22-05/25/06	H49H11AG
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/22-05/25/06	H49H11AH
		Dilution Factor: 1		MDL.....: 898		
Iron	**18.5 B**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49H11AJ**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	ND	600	ug	SW846 6010B	05/22-05/25/06	H49H11AK
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H49H11AL
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #....: 6144552						
Mercury	**0.010 B,J**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H49H11AE**
		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: 000457

TOTAL Metals

Lot-Sample #....: G6E120166-015 **Matrix.....:** AIR
Date Sampled....: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 6139501						
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49H51AM
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49H51AN
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H49H51AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49H51AQ
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49H51AR
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49H51AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H49H51AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49H51AV
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49H51AW
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49H51AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H49H51A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	ND	1.2	ug	SW846 6020	05/22-05/23/06	H49H51A1
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H49H51AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**2.9 B**	**12.0**	**ug**	**SW846 6020**	**05/22-05/23/06**	**H49H51AC**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000457

TOTAL Metals

Lot-Sample #....: G6E120166-015 **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	H49H51AD
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #....: 6139502						
Aluminum	ND	240	ug	SW846 6010B	05/22-05/25/06	H49H51AG
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/22-05/25/06	H49H51AH
		Dilution Factor: 1		MDL.....: 898		
Iron	**16.0 B**	**120**	**ug**	**SW846 6010B**	**05/22-05/25/06**	**H49H51AJ**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	ND	600	ug	SW846 6010B	05/22-05/25/06	H49H51AK
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H49H51AL
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #....: 6144552						
Mercury	ND	0.12	ug	SW846 7471A	05/24/06	H49H51AE
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

G6E120166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AIR	SW846 6020		6139501	
	AIR	SW846 7471A		6144552	
	AIR	SW846 6010B		6139502	
002	AIR	SW846 6020		6139501	
	AIR	SW846 7471A		6144552	
	AIR	SW846 6010B		6139502	
003	AIR	SW846 6020		6139501	
	AIR	SW846 7471A		6144552	
	AIR	SW846 6010B		6139502	
004	AIR	SW846 6020		6139501	
	AIR	SW846 7471A		6144552	
	AIR	SW846 6010B		6139502	
005	AIR	SW846 6020		6139501	
	AIR	SW846 7471A		6144552	
	AIR	SW846 6010B		6139502	
006	AIR	SW846 6020		6139501	
	AIR	SW846 7471A		6144552	
	AIR	SW846 6010B		6139502	
007	AIR	SW846 6020		6139501	
	AIR	SW846 7471A		6144552	
	AIR	SW846 6010B		6139502	
008	AIR	SW846 6020		6139501	
	AIR	SW846 7471A		6144552	
	AIR	SW846 6010B		6139502	
009	AIR	SW846 6020		6139501	
	AIR	SW846 7471A		6144552	
	AIR	SW846 6010B		6139502	
010	AIR	SW846 6020		6139501	
	AIR	SW846 7471A		6144552	
	AIR	SW846 6010B		6139502	
011	AIR	SW846 6020		6139501	
	AIR	SW846 7471A		6144552	
	AIR	SW846 6010B		6139502	

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QC DATA ASSOCIATION SUMMARY

G6E120166

Sample Preparation and Analysis Control Numbers

SAMPLE#:	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
012	AIR	SW846 6020		6139501	
	AIR	SW846 7471A		6144552	
	AIR	SW846 6010B		6139502	
013	AIR	SW846 6020		6139501	
	AIR	SW846 7471A		6144552	
	AIR	SW846 6010B		6139502	
014	AIR	SW846 6020		6139501	
	AIR	SW846 7471A		6144552	
	AIR	SW846 6010B		6139502	
015	AIR	SW846 6020		6139501	
	AIR	SW846 7471A		6144552	
	AIR	SW846 6010B		6139502	

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: G6E120166 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G6E190000-501 **Prep Batch #...:** 6139501						
Arsenic	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5T001AC
		Dilution Factor: 1				
Barium	ND	120	ug	SW846 6020	05/22-05/23/06	H5T001AD
		Dilution Factor: 1				
Beryllium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5T001AE
		Dilution Factor: 1				
Cadmium	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5T001AF
		Dilution Factor: 1				
Chromium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5T001AH
		Dilution Factor: 1				
Cobalt	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5T001AG
		Dilution Factor: 1				
Copper	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5T001AJ
		Dilution Factor: 1				
Lead	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5T001AN
		Dilution Factor: 1				
Manganese	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5T001AK
		Dilution Factor: 1				
Molybdenum	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5T001AL
		Dilution Factor: 1				
Nickel	ND	6.0	ug	SW846 6020	05/22-05/23/06	H5T001AM
		Dilution Factor: 1				
Selenium	ND	3.6	ug	SW846 6020	05/22-05/23/06	H5T001AP
		Dilution Factor: 1				
Silver	ND	1.2	ug	SW846 6020	05/22-05/23/06	H5T001AA
		Dilution Factor: 1				
Vanadium	ND	12.0	ug	SW846 6020	05/22-05/23/06	H5T001AQ
		Dilution Factor: 1				
Zinc	ND	24.0	ug	SW846 6020	05/22-05/23/06	H5T001AR
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: G6E120166 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G6E190000-502 **Prep Batch #...:** 6139502						
Aluminum	ND	240	ug	SW846 6010B	05/22-05/25/06	H5T121AA
		Dilution Factor: 1				
Calcium	ND	3000	ug	SW846 6010B	05/22-05/25/06	H5T121AC
		Dilution Factor: 1				
Iron	ND	120	ug	SW846 6010B	05/22-05/25/06	H5T121AD
		Dilution Factor: 1				
Magnesium	ND	600	ug	SW846 6010B	05/22-05/25/06	H5T121AE
		Dilution Factor: 1				
Sodium	ND	6000	ug	SW846 6010B	05/22-05/25/06	H5T121AF
		Dilution Factor: 1				
MB Lot-Sample #: G6E240000-552 **Prep Batch #...:** 6144552						
Mercury	**0.0012 B**	**0.12**	**ug**	**SW846 7471A**	**05/24/06**	**H54EE1AA**
		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 #...: G6E120166 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Arsenic	240	227	ug	94		SW846 6020	05/22-05/23/06	6139501
	240	223	ug	93	1.7	SW846 6020	05/22-05/23/06	6139501
			Dilution Factor: 1					
Barium	240	231	ug	96		SW846 6020	05/22-05/23/06	6139501
	240	231	ug	96	0.25	SW846 6020	05/22-05/23/06	6139501
			Dilution Factor: 1					
Beryllium	240	231	ug	96		SW846 6020	05/22-05/23/06	6139501
	240	226	ug	94	1.8	SW846 6020	05/22-05/23/06	6139501
			Dilution Factor: 1					
Cadmium	240	221	ug	92		SW846 6020	05/22-05/23/06	6139501
	240	221	ug	92	0.11	SW846 6020	05/22-05/23/06	6139501
			Dilution Factor: 1					
Chromium	240	228	ug	95		SW846 6020	05/22-05/23/06	6139501
	240	223	ug	93	2.0	SW846 6020	05/22-05/23/06	6139501
			Dilution Factor: 1					
Cobalt	240	221	ug	92		SW846 6020	05/22-05/23/06	6139501
	240	215	ug	90	2.6	SW846 6020	05/22-05/23/06	6139501
			Dilution Factor: 1					
Copper	240	240	ug	100		SW846 6020	05/22-05/23/06	6139501
	240	234	ug	97	2.4	SW846 6020	05/22-05/23/06	6139501
			Dilution Factor: 1					
Lead	240	224	ug	93		SW846 6020	05/22-05/23/06	6139501
	240	219	ug	91	2.1	SW846 6020	05/22-05/23/06	6139501
			Dilution Factor: 1					
Manganese	240	219	ug	91		SW846 6020	05/22-05/23/06	6139501
	240	217	ug	90	0.95	SW846 6020	05/22-05/23/06	6139501
			Dilution Factor: 1					
Molybdenum	240	242	ug	101		SW846 6020	05/22-05/23/06	6139501
	240	236	ug	98	2.8	SW846 6020	05/22-05/23/06	6139501
			Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6E120166 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nickel	240	234	ug	97		SW846 6020	05/22-05/23/06	6139501
	240	230	ug	96	1.4	SW846 6020	05/22-05/23/06	6139501
			Dilution Factor: 1					
Selenium	240	228	ug	95		SW846 6020	05/22-05/23/06	6139501
	240	223	ug	93	2.3	SW846 6020	05/22-05/23/06	6139501
			Dilution Factor: 1					
Silver	60.0	58.8	ug	98		SW846 6020	05/22-05/23/06	6139501
	60.0	57.5	ug	96	2.3	SW846 6020	05/22-05/23/06	6139501
			Dilution Factor: 1					
Vanadium	240	216	ug	90		SW846 6020	05/22-05/23/06	6139501
	240	214	ug	89	1.2	SW846 6020	05/22-05/23/06	6139501
			Dilution Factor: 1					
Zinc	240	235	ug	98		SW846 6020	05/22-05/23/06	6139501
	240	230	ug	96	2.5	SW846 6020	05/22-05/23/06	6139501
			Dilution Factor: 1					
Aluminum	2400	2370	ug	99		SW846 6010B	05/22-05/25/06	6139502
	2400	2350	ug	98	0.78	SW846 6010B	05/22-05/25/06	6139502
			Dilution Factor: 1					
Calcium	60000	56600	ug	94		SW846 6010B	05/22-05/25/06	6139502
	60000	56100	ug	93	0.82	SW846 6010B	05/22-05/25/06	6139502
			Dilution Factor: 1					
Iron	1200	1180	ug	98		SW846 6010B	05/22-05/25/06	6139502
	1200	1190	ug	100	1.5	SW846 6010B	05/22-05/25/06	6139502
			Dilution Factor: 1					
Magnesium	60000	56800	ug	95		SW846 6010B	05/22-05/25/06	6139502
	60000	56200	ug	94	1.1	SW846 6010B	05/22-05/25/06	6139502
			Dilution Factor: 1					
Sodium	60000	54900	ug	91		SW846 6010B	05/22-05/25/06	6139502
	60000	54400	ug	91	0.87	SW846 6010B	05/22-05/25/06	6139502
			Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6E120166 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Mercury	0.600	0.593	ug	99		SW846 7471A	05/24/06	6144552
	0.600	0.600	ug	100	1.2	SW846 7471A	05/24/06	6144552

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 #...: G6E120166 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Arsenic	94	(75 - 125)			SW846 6020	05/22-05/23/06	6139501
	93	(75 - 125)	1.7	(0-20)	SW846 6020	05/22-05/23/06	6139501
		Dilution Factor: 1					
Barium	96	(75 - 125)			SW846 6020	05/22-05/23/06	6139501
	96	(75 - 125)	0.25	(0-20)	SW846 6020	05/22-05/23/06	6139501
		Dilution Factor: 1					
Beryllium	96	(75 - 125)			SW846 6020	05/22-05/23/06	6139501
	94	(75 - 125)	1.8	(0-20)	SW846 6020	05/22-05/23/06	6139501
		Dilution Factor: 1					
Cadmium	92	(75 - 125)			SW846 6020	05/22-05/23/06	6139501
	92	(75 - 125)	0.11	(0-20)	SW846 6020	05/22-05/23/06	6139501
		Dilution Factor: 1					
Chromium	95	(75 - 125)			SW846 6020	05/22-05/23/06	6139501
	93	(75 - 125)	2.0	(0-20)	SW846 6020	05/22-05/23/06	6139501
		Dilution Factor: 1					
Cobalt	92	(75 - 125)			SW846 6020	05/22-05/23/06	6139501
	90	(75 - 125)	2.6	(0-20)	SW846 6020	05/22-05/23/06	6139501
		Dilution Factor: 1					
Copper	100	(75 - 125)			SW846 6020	05/22-05/23/06	6139501
	97	(75 - 125)	2.4	(0-20)	SW846 6020	05/22-05/23/06	6139501
		Dilution Factor: 1					
Lead	93	(75 - 125)			SW846 6020	05/22-05/23/06	6139501
	91	(75 - 125)	2.1	(0-20)	SW846 6020	05/22-05/23/06	6139501
		Dilution Factor: 1					
Manganese	91	(75 - 125)			SW846 6020	05/22-05/23/06	6139501
	90	(75 - 125)	0.95	(0-20)	SW846 6020	05/22-05/23/06	6139501
		Dilution Factor: 1					
Molybdenum	101	(75 - 125)			SW846 6020	05/22-05/23/06	6139501
	98	(75 - 125)	2.8	(0-20)	SW846 6020	05/22-05/23/06	6139501
		Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6E120166 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Nickel	97	(75 - 125)			SW846 6020	05/22-05/23/06	6139501
	96	(75 - 125)	1.4	(0-20)	SW846 6020	05/22-05/23/06	6139501
		Dilution Factor: 1					
Selenium	95	(75 - 125)			SW846 6020	05/22-05/23/06	6139501
	93	(75 - 125)	2.3	(0-20)	SW846 6020	05/22-05/23/06	6139501
		Dilution Factor: 1					
Silver	98	(75 - 125)			SW846 6020	05/22-05/23/06	6139501
	96	(75 - 125)	2.3	(0-20)	SW846 6020	05/22-05/23/06	6139501
		Dilution Factor: 1					
Vanadium	90	(75 - 125)			SW846 6020	05/22-05/23/06	6139501
	89	(75 - 125)	1.2	(0-20)	SW846 6020	05/22-05/23/06	6139501
		Dilution Factor: 1					
Zinc	98	(75 - 125)			SW846 6020	05/22-05/23/06	6139501
	96	(75 - 125)	2.5	(0-20)	SW846 6020	05/22-05/23/06	6139501
		Dilution Factor: 1					
Aluminum	99	(75 - 125)			SW846 6010B	05/22-05/25/06	6139502
	98	(75 - 125)	0.78	(0-20)	SW846 6010B	05/22-05/25/06	6139502
		Dilution Factor: 1					
Calcium	94	(75 - 125)			SW846 6010B	05/22-05/25/06	6139502
	93	(75 - 125)	0.82	(0-20)	SW846 6010B	05/22-05/25/06	6139502
		Dilution Factor: 1					
Iron	98	(75 - 125)			SW846 6010B	05/22-05/25/06	6139502
	100	(75 - 125)	1.5	(0-20)	SW846 6010B	05/22-05/25/06	6139502
		Dilution Factor: 1					
Magnesium	95	(75 - 125)			SW846 6010B	05/22-05/25/06	6139502
	94	(75 - 125)	1.1	(0-20)	SW846 6010B	05/22-05/25/06	6139502
		Dilution Factor: 1					
Sodium	91	(75 - 125)			SW846 6010B	05/22-05/25/06	6139502
	91	(75 - 125)	0.87	(0-20)	SW846 6010B	05/22-05/25/06	6139502
		Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6E120166 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Mercury	99	(75 - 125)			SW846 7471A	05/24/06	6144552
	100	(75 - 125)	1.2	(0-20)	SW846 7471A	05/24/06	6144552

Dilution Factor: 1

NOTE(S):

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

AIR, PM-10 & TSP

Brown and Caldwell

Client Sample ID: P-0621

General Chemistry

Lot-Sample #....: G6E120166-001 Work Order #...: H49GR Matrix.....: AIR
Date Sampled....: 05/10/06 Date Received..: 05/12/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0186	0.0001	g	CFR50J APDX J	05/17-05/19/06	6139506

Brown and Caldwell

Client Sample ID: P-0622

General Chemistry

Lot-Sample #...: G6E120166-002 **Work Order #...:** H49G2 **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0174	0.0001	g	CFR50J APDX J	05/17-05/19/06	6139506

Brown and Caldwell

Client Sample ID: P-0623

General Chemistry

Lot-Sample #....: G6E120166-003 **Work Order #...:** H49G3 **Matrix.....:** AIR
Date Sampled....: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0169	0.0001	g	CFR50J APDX J	05/17-05/19/06	6139506

Brown and Caldwell

Client Sample ID: P-0624

General Chemistry

Lot-Sample #...: G6E120166-004 Work Order #...: H49G4 Matrix.....: AIR
Date Sampled...: 05/10/06 Date Received..: 05/12/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0193	0.0001	g	CFR50J APDX J	05/17-05/19/06	6139506

Brown and Caldwell

Client Sample ID: P-0625

General Chemistry

Lot-Sample #...: G6E120166-005 Work Order #...: H49G7 Matrix.....: AIR
Date Sampled...: 05/10/06 Date Received..: 05/12/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0184	0.0001	g	CFR50J APDX J	05/17-05/19/06	6139506

Brown and Caldwell

Client Sample ID: P-0626

General Chemistry

Lot-Sample #....: G6E120166-006 **Work Order #...:** H49HA **Matrix.....:** AIR
Date Sampled....: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	**0.0166**	**0.0001**	**g**	**CFR50J APDX J**	**05/17-05/19/06**	**6139506**

Brown and Caldwell

Client Sample ID: P-0627

General Chemistry

Lot-Sample #...: G6E120166-007 **Work Order #...:** H49HC **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0162	0.0001	g	CFR50J APDX J	05/17-05/19/06	6139506

Brown and Caldwell

Client Sample ID: 000450

General Chemistry

Lot-Sample #...: G6E120166-008 Work Order #...: H49HE Matrix.....: AIR
Date Sampled...: 05/10/06 Date Received..: 05/12/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0492	0.0001	g	CFR50B APDX B	05/17-05/19/06	6139505

Brown and Caldwell

Client Sample ID: 000451

General Chemistry

Lot-Sample #...: G6E120166-009 Work Order #...: H49HL Matrix.....: AIR
Date Sampled...: 05/10/06 Date Received..: 05/12/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0389	0.0001	g	CFR50B APDX B	05/17-05/19/06	6139505

Brown and Caldwell

Client Sample ID: 000452

General Chemistry

Lot-Sample #...: G6E120166-010 **Work Order #...:** H49HP **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0429	0.0001	g	CFR50B APDX B	05/17-05/19/06	6139505

Brown and Caldwell

Client Sample ID: 000453

General Chemistry

Lot-Sample #...: G6E120166-011 **Work Order #...:** H49HQ **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0519	0.0001	g	CFR50B APDX B	05/17-05/19/06	6139505

Brown and Caldwell

Client Sample ID: 000454

General Chemistry

Lot-Sample #...: G6E120166-012 Work Order #...: H49HT Matrix.....: AIR
Date Sampled...: 05/10/06 Date Received..: 05/12/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0458	0.0001	g	CFR50B APDX B	05/17-05/19/06	6139505

Brown and Caldwell

Client Sample ID: 000455

General Chemistry

Lot-Sample #...: G6E120166-013 **Work Order #...:** H49HX **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0482	0.0001	g	CFR50B APDX B	05/17-05/19/06	6139505

Brown and Caldwell

Client Sample ID: 000456

General Chemistry

Lot-Sample #...: G6E120166-014 **Work Order #...:** H49H1 **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	ND	0.0001	g	CFR50B APDX B	05/17-05/19/06	6139505

Brown and Caldwell

Client Sample ID: 000457

General Chemistry

Lot-Sample #...: G6E120166-015 **Work Order #...:** H49H5 **Matrix.....:** AIR
Date Sampled...: 05/10/06 **Date Received..:** 05/12/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	ND	0.0001	g	CFR50B APDX B	05/17-05/19/06	6139505

AIR, Metals - Various Methods

Raw Data Package

ICP

G6E120166

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	☑

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
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 : MK **Date:** 1/26/06
Comments:

q:\forms\checklists\qa-268 icp data review.doc

QA-268
ERS 7/13/04

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 Rt	367012.4	5915.17	1.61%	[50]	mg/L
Al_2 308.215 Rt	92738.6	10.70	0.01%	[50]	mg/L
Ca 315.887 Rt	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 Rt	26609.0	45.90	0.17%	[50]	mg/L
Mg 279.077 Rt	52256.5	115.15	0.22%	[50]	mg/L
Na_1 589.592 Rt	395808.9	5225.13	1.32%	[50]	mg/L
Na_2 330.237 Rt	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 Rt	475492.2	396.15	0.08%	[250]	mg/L
Ca 315.887 Rt	1956899.3	1993.05	0.10%	[250]	mg/L
Fe_2 238.863 Rt	132128.6	207.29	0.16%	[250]	mg/L
Mg 279.077 Rt	257095.5	389.42	0.15%	[250]	mg/L
Na_1 589.592 Rt	2053582.1	2332.09	0.11%	[250]	mg/L
Na_2 330.237 Rt	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 Rt	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 Rt	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.: 9
Sample ID: FB1815158-1
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 5/25/2006 8:50:12 AM
Data Type: Reprocessed on 5/25/2006 12:24:31 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: FB1815158-1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	429671.4	103.77	%	1.322				1.27%
In Radial	10865.4	102.60	%	0.766				0.75%
Y_ Axial	1594510.8	102.69	%	1.479				1.44%
Y_ Radial	98439.1	104.58	%	1.186				1.13%
Sc Axial	1753867.1	102.75	%	1.544				1.50%
Sc Radial	103548.7	104.51	%	1.190				1.14%
Al_1 396.153 Rt	124.5	0.01696	mg/L	0.006486	20.361	mg/L	7.7859	38.24%
Al_2 308.215 Rt	45.1	0.02376	mg/L	0.008867	28.520	mg/L	10.6450	37.33%
Ca 315.887 Rt	2072.0	0.26470	mg/L	0.001500	317.77	mg/L	1.800	0.57%
Fe_1 273.955†	962.9	0.02045	mg/L	0.000521	24.546	mg/L	0.6252	2.55%
Fe_2 238.863 Rt	18.9	0.03576	mg/L	0.002759	42.925	mg/L	3.3119	7.72%
Mg 279.077 Rt	49.6	0.04822	mg/L	0.006996	57.882	mg/L	8.3984	14.51%
Na_1 589.592 Rt	3423.0	0.41730	mg/L	0.005594	500.96	mg/L	6.716	1.34%
Na_2 330.237 Rt	10.5	0.21756	mg/L	0.155344	261.17	mg/L	186.488	71.40%
Zn 206.200†	116.7	0.00366	mg/L	0.000057	4.3913	mg/L	0.06816	1.55%

Sequence No.: 10
Sample ID: H5T12B
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 5/25/2006 8:53:49 AM
Data Type: Reprocessed on 5/25/2006 12:24:32 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5T12B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	422116.9	101.94	%	0.336				0.33%
In Radial	10789.0	101.88	%	0.105				0.10%
Y_ Axial	1561408.1	100.56	%	0.313				0.31%
Y_ Radial	97443.9	103.53	%	2.628				2.54%
Sc Axial	1716145.5	100.54	%	0.331				0.33%
Sc Radial	102390.6	103.34	%	2.687				2.60%
Al_1 396.153 R†	45.2	0.00616	mg/L	0.000823	7.3912	mg/L	0.98840	13.37%
Al_2 308.215 R†	2.8	0.00147	mg/L	0.002637	1.7593	mg/L	3.16555	179.94%
Ca 315.887 R†	80.7	0.01031	mg/L	0.002979	12.373	mg/L	3.5764	28.91%
Fe_1 273.955†	137.3	0.00291	mg/L	0.000323	3.4994	mg/L	0.38799	11.09%
Fe_2 238.863 R†	4.9	0.00921	mg/L	0.013689	11.053	mg/L	16.4339	148.68%
Mg 279.077 R†	5.8	0.00566	mg/L	0.016830	6.7889	mg/L	20.20373	297.60%
Na_1 589.592 R†	-410.3	-0.05002	mg/L	0.014590	-60.047	mg/L	17.5147	29.17%
Na_2 330.237 R†	-17.4	-0.36854	mg/L	0.007630	-442.43	mg/L	9.159	2.07%
Zn 206.200†	59.9	0.00188	mg/L	0.000088	2.2558	mg/L	0.10532	4.67%

Sequence No.: 11
Sample ID: H5T12C
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 5/25/2006 8:57:24 AM
Data Type: Reprocessed on 5/25/2006 12:24:33 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5T12C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	393937.0	95.139	%	0.5696				0.60%
In Radial	10456.6	98.737	%	0.1437				0.15%
Y_ Axial	1520243.0	97.906	%	1.5118				1.54%
Y_ Radial	93309.4	99.134	%	1.8846				1.90%
Sc Axial	1682577.8	98.578	%	1.5142				1.54%
Sc Radial	99005.6	99.924	%	1.8037				1.81%
Al_1 396.153 R†	14490.7	1.9741	mg/L	0.00132	2369.9	mg/L	1.58	0.07%
Al_2 308.215 R†	3577.7	1.8829	mg/L	0.03968	2260.3	mg/L	47.64	2.11%
Ca 315.887 R†	368970.1	47.137	mg/L	0.2006	56587	mg/L	240.8	0.43%
Fe_1 273.955†	46183.5	0.98068	mg/L	0.007409	1177.3	mg/L	8.89	0.76%
Fe_2 238.863 R†	538.5	1.0186	mg/L	0.03228	1222.8	mg/L	38.75	3.17%
Mg 279.077 R†	48663.8	47.291	mg/L	0.0785	56772	mg/L	94.2	0.17%
Na_1 589.592 R†	375012.4	45.717	mg/L	0.1521	54883	mg/L	182.6	0.33%
Na_2 330.237 R†	2157.2	45.037	mg/L	0.9478	54066	mg/L	1137.8	2.10%
Zn 206.200†	15269.0	0.47872	mg/L	0.004017	574.69	mg/L	4.823	0.84%

Sequence No.: 12
Sample ID: H5T12L
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 5/25/2006 9:00:28 AM
Data Type: Reprocessed on 5/25/2006 12:24:35 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5T12L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	394691.5	95.321	%	0.1506				0.16%
In Radial	10445.8	98.635	%	0.0805				0.08%
Y_ Axial	1489490.2	95.926	%	1.0064				1.05%
Y_ Radial	94341.7	100.23	%	0.867				0.86%
Sc Axial	1648740.0	96.595	%	0.9954				1.03%
Sc Radial	100093.3	101.02	%	0.966				0.96%
Al_1 396.153 R†	14376.9	1.9586	mg/L	0.00464	2351.3	mg/L	5.57	0.24%
Al_2 308.215 R†	3501.3	1.8427	mg/L	0.00757	2212.1	mg/L	9.08	0.41%
Ca 315.887 R†	365926.8	46.748	mg/L	0.0774	56120	mg/L	92.9	0.17%
Fe_1 273.955†	46872.2	0.99530	mg/L	0.010824	1194.8	mg/L	12.99	1.09%
Fe_2 238.863 R†	519.0	0.98173	mg/L	0.004450	1178.5	mg/L	5.34	0.45%
Mg 279.077 R†	48132.9	46.775	mg/L	0.1731	56153	mg/L	207.8	0.37%
Na_1 589.592 R†	371750.3	45.320	mg/L	0.1722	54405	mg/L	206.7	0.38%
Na_2 330.237 R†	2097.4	43.772	mg/L	0.5476	52547	mg/L	657.4	1.25%
Zn 206.200†	15471.7	0.48507	mg/L	0.006787	582.32	mg/L	8.148	1.40%

Sequence No.: 13
Sample ID: H49GR
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 5/25/2006 9:03:55 AM
Data Type: Reprocessed on 5/25/2006 12:24:35 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49GR

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	423762.6	102.34	%	0.429				0.42%
In Radial	10842.4	102.38	%	0.862				0.84%
Y_ Axial	1581425.0	101.85	%	0.317				0.31%
Y_ Radial	100127.0	106.38	%	1.897				1.78%
Sc Axial	1738576.8	101.86	%	0.440				0.43%
Sc Radial	105131.4	106.11	%	1.963				1.85%
Al_1 396.153 R†	1752.6	0.23877	mg/L	0.007128	286.63	mg/L	8.557	2.99%
Al_2 308.215 R†	431.8	0.22726	mg/L	0.006585	272.83	mg/L	7.905	2.90%
Ca 315.887 R†	4829.9	0.61704	mg/L	0.010007	740.74	mg/L	12.014	1.62%
Fe_1 273.955†	13141.8	0.27906	mg/L	0.002215	335.00	mg/L	2.660	0.79%
Fe_2 238.863 R†	141.0	0.26671	mg/L	0.007860	320.18	mg/L	9.435	2.95%
Mg 279.077 R†	182.3	0.17713	mg/L	0.000560	212.64	mg/L	0.672	0.32%
Na_1 589.592 R†	4729.2	0.57653	mg/L	0.022539	692.11	mg/L	27.057	3.91%
Na_2 330.237 R†	13.8	0.28347	mg/L	0.251071	340.30	mg/L	301.405	88.57%
Zn 206.200†	351.0	0.01100	mg/L	0.000044	13.209	mg/L	0.0528	0.40%

Sequence No.: 14
Sample ID: H49GRP5
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 5/25/2006 9:07:28 AM
Data Type: Reprocessed on 5/25/2006 12:24:37 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49GRP5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	421508.4	101.80	%	1.415				1.39%
In Radial	10646.1	100.53	%	0.553				0.55%
Y_ Axial	1575500.4	101.47	%	1.279				1.26%
Y_ Radial	96841.7	102.89	%	1.636				1.59%
Sc Axial	1733126.9	101.54	%	1.283				1.26%
Sc Radial	101832.7	102.78	%	1.607				1.56%
Al_1 396.153 R†	303.8	0.04139	mg/L	0.003221	49.690	mg/L	3.8669	7.78%
Al_2 308.215 R†	81.8	0.04304	mg/L	0.001335	51.671	mg/L	1.6031	3.10%
Ca 315.887 R†	984.5	0.12578	mg/L	0.001712	150.99	mg/L	2.056	1.36%
Fe_1 273.955†	2633.0	0.05591	mg/L	0.000842	67.120	mg/L	1.0105	1.51%
Fe_2 238.863 R†	27.9	0.05269	mg/L	0.002629	63.252	mg/L	3.1557	4.99%
Mg 279.077 R†	34.8	0.03380	mg/L	0.001768	40.581	mg/L	2.1220	5.23%
Na_1 589.592 R†	414.9	0.05058	mg/L	0.003929	60.725	mg/L	4.7167	7.77%
Na_2 330.237 R†	10.4	0.21571	mg/L	0.914948	258.96	mg/L	1098.378	424.16%
Zn 206.200†	166.3	0.00521	mg/L	0.000234	6.2574	mg/L	0.28093	4.49%

Sequence No.: 15
Sample ID: H49GRZ
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 5/25/2006 9:11:01 AM
Data Type: Reprocessed on 5/25/2006 12:24:38 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49GRZ

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	757237.7	182.88	%	0.860				0.47%
In Radial	16610.7	156.85	%	1.328				0.85%
Y_ Axial	2867558.9	184.68	%	0.801				0.43%
Y_ Radial	166036.4	176.40	%	2.048				1.16%
Sc Axial	3139447.8	183.93	%	0.833				0.45%
Sc Radial	173520.8	175.13	%	1.680				0.96%
Al_1 396.153 Rt	-50.6	-0.00689	mg/L	0.001738	-8.2764	mg/L	2.08648	25.21%
Al_2 308.215 Rt	-21.4	-0.01126	mg/L	0.000218	-13.519	mg/L	0.2611	1.93%
Ca 315.887 Rt	227.7	0.02909	mg/L	0.001297	34.925	mg/L	1.5569	4.46%
Fe_1 273.955†	-40.9	-0.00087	mg/L	0.000092	-1.0429	mg/L	0.11007	10.55%
Fe_2 238.863 Rt	-17.0	-0.03209	mg/L	0.000490	-38.525	mg/L	0.5879	1.53%
Mg 279.077 Rt	40.0	0.03890	mg/L	0.000832	46.694	mg/L	0.9987	2.14%
Na_1 589.592 Rt	-896.0	-0.10923	mg/L	0.004019	-131.13	mg/L	4.824	3.68%
Na_2 330.237 Rt	-25.1	-0.53022	mg/L	0.021502	-636.51	mg/L	25.812	4.06%
Zn 206.200†	-21.1	-0.00066	mg/L	0.000001	-0.79331	mg/L	0.000849	0.11%

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.: 18
Sample ID: H49G2
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 5/25/2006 9:21:58 AM
Data Type: Reprocessed on 5/25/2006 12:24:42 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49G2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	414925.9	100.21	%	0.267				0.27%
In Radial	10792.4	101.91	%	0.310				0.30%
Y_ Axial	1551421.4	99.914	%	0.1965				0.20%
Y_ Radial	100722.4	107.01	%	0.058				0.05%
Sc Axial	1705147.1	99.900	%	0.1519				0.15%
Sc Radial	105729.7	106.71	%	0.125				0.12%
Al_1 396.153 R†	1742.4	0.23738	mg/L	0.007366	284.97	mg/L	8.842	3.10%
Al_2 308.215 R†	429.4	0.22600	mg/L	0.001956	271.31	mg/L	2.348	0.87%
Ca 315.887 R†	4874.5	0.62273	mg/L	0.002376	747.58	mg/L	2.852	0.38%
Fe_1 273.955†	13204.8	0.28040	mg/L	0.000807	336.61	mg/L	0.969	0.29%
Fe_2 238.863 R†	136.5	0.25819	mg/L	0.002154	309.96	mg/L	2.585	0.83%
Mg 279.077 R†	177.3	0.17232	mg/L	0.006087	206.86	mg/L	7.307	3.53%
Na_1 589.592 R†	4272.0	0.52079	mg/L	0.002205	625.20	mg/L	2.647	0.42%
Na_2 330.237 R†	15.8	0.32532	mg/L	0.370631	390.54	mg/L	444.935	113.93%
Zn 206.200†	349.1	0.01094	mg/L	0.000065	13.139	mg/L	0.0776	0.59%

Sequence No.: 19
Sample ID: H49G3
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 5/25/2006 9:25:32 AM
Data Type: Reprocessed on 5/25/2006 12:24:43 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49G3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	418409.4	101.05	%	1.357				1.34%
In Radial	10758.9	101.59	%	0.833				0.82%
Y_ Axial	1556273.3	100.23	%	1.442				1.44%
Y_ Radial	96534.2	102.56	%	1.787				1.74%
Sc Axial	1711988.2	100.30	%	1.522				1.52%
Sc Radial	101293.1	102.23	%	1.810				1.77%
Al_1 396.153 Rt	1549.2	0.21105	mg/L	0.007544	253.37	mg/L	9.056	3.57%
Al_2 308.215 Rt	392.7	0.20664	mg/L	0.007379	248.07	mg/L	8.858	3.57%
Ca 315.887 Rt	4252.0	0.54320	mg/L	0.010911	652.10	mg/L	13.099	2.01%
Fe_1 273.955†	12348.1	0.26220	mg/L	0.004812	314.77	mg/L	5.776	1.84%
Fe_2 238.863 Rt	129.6	0.24506	mg/L	0.001451	294.19	mg/L	1.741	0.59%
Mg 279.077 Rt	167.6	0.16283	mg/L	0.007764	195.47	mg/L	9.321	4.77%
Na_1 589.592 Rt	4118.1	0.50204	mg/L	0.002853	602.69	mg/L	3.425	0.57%
Na_2 330.237 Rt	8.6	0.17332	mg/L	0.074257	208.07	mg/L	89.144	42.84%
Zn 206.200†	313.7	0.00983	mg/L	0.000309	11.806	mg/L	0.3708	3.14%

Sequence No.: 20
Sample ID: H49G4
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 5/25/2006 9:29:05 AM
Data Type: Reprocessed on 5/25/2006 12:24:43 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49G4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	423954.3	102.39	%	0.365				0.36%
In Radial	11126.6	105.06	%	0.966				0.92%
Y_ Axial	1584171.1	102.02	%	0.338				0.33%
Y_ Radial	99642.0	105.86	%	0.756				0.71%
Sc Axial	1741204.5	102.01	%	0.400				0.39%
Sc Radial	104554.9	105.52	%	0.658				0.62%
Al_1 396.153 R†	1827.2	0.24892	mg/L	0.005463	298.83	mg/L	6.558	2.19%
Al_2 308.215 R†	446.2	0.23483	mg/L	0.007530	281.91	mg/L	9.039	3.21%
Ca 315.887 R†	4598.5	0.58748	mg/L	0.005221	705.25	mg/L	6.268	0.89%
Fe_1 273.955†	14230.8	0.30218	mg/L	0.000958	362.76	mg/L	1.150	0.32%
Fe_2 238.863 R†	153.0	0.28944	mg/L	0.006762	347.46	mg/L	8.117	2.34%
Mg 279.077 R†	183.8	0.17860	mg/L	0.014168	214.41	mg/L	17.009	7.93%
Na_1 589.592 R†	4146.5	0.50550	mg/L	0.016347	606.84	mg/L	19.624	3.23%
Na_2 330.237 R†	6.1	0.12077	mg/L	0.787007	144.98	mg/L	944.787	651.65%
Zn 206.200†	346.0	0.01085	mg/L	0.000044	13.023	mg/L	0.0526	0.40%

Sequence No.: 21
Sample ID: H49G7
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 5/25/2006 9:32:39 AM
Data Type: Reprocessed on 5/25/2006 12:24:46 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49G7

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	434290.7	104.88	%	4.110				3.92%
In Radial	10848.5	102.44	%	0.189				0.18%
Y_ Axial	1621064.9	104.40	%	4.378				4.19%
Y_ Radial	98442.1	104.59	%	3.178				3.04%
Sc Axial	1781836.6	104.39	%	4.357				4.17%
Sc Radial	103452.4	104.41	%	3.131				3.00%
Al_1 396.153 R†	1762.3	0.24009	mg/L	0.000508	288.22	mg/L	0.609	0.21%
Al_2 308.215 R†	450.9	0.23728	mg/L	0.010235	284.85	mg/L	12.287	4.31%
Ca 315.887 R†	4404.9	0.56274	mg/L	0.006692	675.56	mg/L	8.033	1.19%
Fe_1 273.955†	13389.1	0.28431	mg/L	0.012322	341.31	mg/L	14.793	4.33%
Fe_2 238.863 R†	151.2	0.28605	mg/L	0.003112	343.39	mg/L	3.736	1.09%
Mg 279.077 R†	187.3	0.18200	mg/L	0.006348	218.48	mg/L	7.620	3.49%
Na_1 589.592 R†	4357.8	0.53125	mg/L	0.002775	637.76	mg/L	3.331	0.52%
Na_2 330.237 R†	-2.3	-0.05602	mg/L	0.001893	-67.255	mg/L	2.2726	3.38%
Zn 206.200†	281.9	0.00884	mg/L	0.000433	10.612	mg/L	0.5197	4.90%

Sequence No.: 22
Sample ID: H49HA
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 5/25/2006 9:36:16 AM
Data Type: Reprocessed on 5/25/2006 12:24:47 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49HA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	425938.6	102.87	%	0.701				0.68%
In Radial	10848.0	102.43	%	0.070				0.07%
Y_ Axial	1593556.0	102.63	%	0.584				0.57%
Y_ Radial	97297.1	103.37	%	0.311				0.30%
Sc Axial	1750681.9	102.57	%	0.635				0.62%
Sc Radial	102255.6	103.20	%	0.394				0.38%
Al_1 396.153 R†	1823.8	0.24846	mg/L	0.011471	298.27	mg/L	13.770	4.62%
Al_2 308.215 R†	466.9	0.24574	mg/L	0.006471	295.01	mg/L	7.768	2.63%
Ca 315.887 R†	5194.8	0.66365	mg/L	0.007133	796.70	mg/L	8.562	1.07%
Fe_1 273.955†	13644.8	0.28974	mg/L	0.000053	347.83	mg/L	0.064	0.02%
Fe_2 238.863 R†	152.9	0.28917	mg/L	0.000071	347.15	mg/L	0.085	0.02%
Mg 279.077 R†	200.4	0.19474	mg/L	0.003677	233.78	mg/L	4.414	1.89%
Na_1 589.592 R†	6713.1	0.81838	mg/L	0.006246	982.45	mg/L	7.498	0.76%
Na_2 330.237 R†	21.1	0.43889	mg/L	0.798402	526.88	mg/L	958.465	181.91%
Zn 206.200†	269.7	0.00845	mg/L	0.000031	10.149	mg/L	0.0370	0.36%

Sequence No.: 23
Sample ID: H49HC
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 5/25/2006 9:39:51 AM
Data Type: Reprocessed on 5/25/2006 12:24:49 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49HC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	423201.1	102.21	%	0.508				0.50%
In Radial	10867.8	102.62	%	0.975				0.95%
Y_ Axial	1581958.4	101.88	%	0.280				0.28%
Y_ Radial	98396.9	104.54	%	0.786				0.75%
Sc Axial	1738359.0	101.85	%	0.328				0.32%
Sc Radial	103238.1	104.20	%	0.857				0.82%
Al_1 396.153 Rt	1777.6	0.24218	mg/L	0.007724	290.73	mg/L	9.272	3.19%
Al_2 308.215 Rt	455.2	0.23958	mg/L	0.004243	287.61	mg/L	5.093	1.77%
Ca 315.887 Rt	5273.9	0.67376	mg/L	0.005488	808.83	mg/L	6.589	0.81%
Fe_1 273.955†	13940.9	0.29603	mg/L	0.001233	355.37	mg/L	1.480	0.42%
Fe_2 238.863 Rt	154.5	0.29233	mg/L	0.006146	350.93	mg/L	7.378	2.10%
Mg 279.077 Rt	200.8	0.19517	mg/L	0.012874	234.29	mg/L	15.455	6.60%
Na_1 589.592 Rt	6818.6	0.83125	mg/L	0.007914	997.90	mg/L	9.500	0.95%
Na_2 330.237 Rt	37.7	0.78877	mg/L	0.064686	946.91	mg/L	77.654	8.20%
Zn 206.200†	262.0	0.00821	mg/L	0.000155	9.8602	mg/L	0.18563	1.88%

Sequence No.: 24
Sample ID: H49HE
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 5/25/2006 9:43:29 AM
Data Type: Reprocessed on 5/25/2006 12:24:51 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49HE

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	423100.2	102.18	%	2.639				2.58%
In Radial	10902.5	102.95	%	0.245				0.24%
Y_ Axial	1582248.6	101.90	%	2.506				2.46%
Y_ Radial	99424.7	105.63	%	2.748				2.60%
Sc Axial	1739596.2	101.92	%	2.508				2.46%
Sc Radial	104581.0	105.55	%	2.846				2.70%
Al_1 396.153 Rt	4097.2	0.55818	mg/L	0.002805	670.09	mg/L	3.367	0.50%
Al_2 308.215 Rt	1018.3	0.53590	mg/L	0.020568	643.34	mg/L	24.692	3.84%
Ca 315.887 Rt	7267.2	0.92840	mg/L	0.006263	1114.5	mg/L	7.52	0.67%
Fe_1 273.955†	31949.4	0.67843	mg/L	0.001314	814.44	mg/L	1.577	0.19%
Fe_2 238.863 Rt	346.9	0.65617	mg/L	0.027074	787.71	mg/L	32.502	4.13%
Mg 279.077 Rt	362.6	0.35235	mg/L	0.004906	422.99	mg/L	5.889	1.39%
Na_1 589.592 Rt	6356.5	0.77491	mg/L	0.002655	930.27	mg/L	3.187	0.34%
Na_2 330.237 Rt	23.8	0.49428	mg/L	0.036792	593.38	mg/L	44.169	7.44%
Zn 206.200†	364.4	0.01143	mg/L	0.000319	13.716	mg/L	0.3824	2.79%

Sequence No.: 25
Sample ID: H49HL
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 5/25/2006 9:47:08 AM
Data Type: Reprocessed on 5/25/2006 12:24:52 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49HL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	423059.8	102.17	%	0.088				0.09%
In Radial	10808.0	102.06	%	0.289				0.28%
Y_ Axial	1581730.0	101.87	%	0.027				0.03%
Y_ Radial	97446.0	103.53	%	1.772				1.71%
Sc Axial	1737515.9	101.80	%	0.022				0.02%
Sc Radial	102350.3	103.30	%	1.855				1.80%
Al_1 396.153 R†	3711.0	0.50557	mg/L	0.000499	606.93	mg/L	0.599	0.10%
Al_2 308.215 R†	938.1	0.49371	mg/L	0.006791	592.69	mg/L	8.152	1.38%
Ca 315.887 R†	6865.3	0.87706	mg/L	0.000999	1052.9	mg/L	1.20	0.11%
Fe_1 273.955†	27069.3	0.57480	mg/L	0.001545	690.04	mg/L	1.855	0.27%
Fe_2 238.863 R†	294.5	0.55709	mg/L	0.010256	668.78	mg/L	12.312	1.84%
Mg 279.077 R†	323.4	0.31427	mg/L	0.008404	377.28	mg/L	10.089	2.67%
Na_1 589.592 R†	6745.4	0.82233	mg/L	0.000942	987.19	mg/L	1.131	0.11%
Na_2 330.237 R†	23.7	0.49109	mg/L	0.160675	589.54	mg/L	192.887	32.72%
Zn 206.200†	357.1	0.01120	mg/L	0.000264	13.440	mg/L	0.3173	2.36%

Sequence No.: 26
Sample ID: H49HP
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 5/25/2006 9:50:44 AM
Data Type: Reprocessed on 5/25/2006 12:24:54 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49HP

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	775868.3	187.38	%	1.876				1.00%
In Radial	16681.7	157.52	%	1.194				0.76%
Y_ Axial	2939013.2	189.28	%	1.667				0.88%
Y_ Radial	165723.6	176.07	%	0.959				0.54%
Sc Axial	3216618.2	188.45	%	1.822				0.97%
Sc Radial	173339.8	174.95	%	1.685				0.96%
Al_1 396.153 R†	-56.8	-0.00774	mg/L	0.003613	-9.2860	mg/L	4.33718	46.71%
Al_2 308.215 R†	-26.4	-0.01391	mg/L	0.001573	-16.698	mg/L	1.8885	11.31%
Ca 315.887 R†	221.6	0.02831	mg/L	0.000131	33.983	mg/L	0.1570	0.46%
Fe_1 273.955†	-41.1	-0.00087	mg/L	0.000023	-1.0478	mg/L	0.02758	2.63%
Fe_2 238.863 R†	-18.4	-0.03484	mg/L	0.001877	-41.821	mg/L	2.2536	5.39%
Mg 279.077 R†	37.5	0.03640	mg/L	0.001282	43.700	mg/L	1.5394	3.52%
Na_1 589.592 R†	-1005.4	-0.12257	mg/L	0.005651	-147.14	mg/L	6.784	4.61%
Na_2 330.237 R†	-24.8	-0.52375	mg/L	0.058301	-628.76	mg/L	69.989	11.13%
Zn 206.200†	-21.0	-0.00066	mg/L	0.000019	-0.79021	mg/L	0.022707	2.87%

Sequence No.: 27
Sample ID: H49HQ
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 5/25/2006 9:54:22 AM
Data Type: Reprocessed on 5/25/2006 12:24:54 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49HQ

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	425815.4	102.84	%	0.083				0.08%
In Radial	10893.6	102.86	%	0.598				0.58%
Y_ Axial	1589982.0	102.40	%	0.110				0.11%
Y_ Radial	98902.3	105.08	%	3.399				3.23%
Sc Axial	1747838.5	102.40	%	0.052				0.05%
Sc Radial	103771.8	104.73	%	3.551				3.39%
Al_1 396.153 R†	4893.9	0.66672	mg/L	0.004294	800.38	mg/L	5.154	0.64%
Al_2 308.215 R†	1237.3	0.65116	mg/L	0.068784	781.71	mg/L	82.574	10.56%
Ca 315.887 R†	8645.2	1.1044	mg/L	0.04336	1325.9	mg/L	52.06	3.93%
Fe_1 273.955†	37903.9	0.80487	mg/L	0.000933	966.23	mg/L	1.120	0.12%
Fe_2 238.863 R†	426.9	0.80757	mg/L	0.075735	969.47	mg/L	90.918	9.38%
Mg 279.077 R†	439.2	0.42683	mg/L	0.023019	512.40	mg/L	27.634	5.39%
Na_1 589.592 R†	7591.2	0.92543	mg/L	0.010664	1111.0	mg/L	12.80	1.15%
Na_2 330.237 R†	31.2	0.64582	mg/L	0.242629	775.30	mg/L	291.271	37.57%
Zn 206.200†	641.1	0.02010	mg/L	0.000051	24.130	mg/L	0.0617	0.26%

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 Rt	-16.1	-0.00219	mg/L	0.002096	-0.00219	mg/L	0.002096	95.75%
Al_2 308.215 Rt	0.8	0.00044	mg/L	0.001478	0.00044	mg/L	0.001478	332.51%
Ca 315.887 Rt	5.6	0.00072	mg/L	0.001214	0.00072	mg/L	0.001214	168.38%
Fe_1 273.955t	77.2	0.00164	mg/L	0.000517	0.00164	mg/L	0.000517	31.49%
Fe_2 238.863 Rt	3.2	0.00608	mg/L	0.000821	0.00608	mg/L	0.000821	13.51%
Mg 279.077 Rt	-5.8	-0.00568	mg/L	0.003043	-0.00568	mg/L	0.003043	53.56%
Na_1 589.592 Rt	-899.0	-0.10959	mg/L	0.002950	-0.10959	mg/L	0.002950	2.69%
Na_2 330.237 Rt	-3.4	-0.07243	mg/L	0.154925	-0.07243	mg/L	0.154925	213.91%
Zn 206.200t	5.9	0.00018	mg/L	0.000007	0.00018	mg/L	0.000007	3.87%

Sequence No.: 30
Sample ID: H49HT
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 5/25/2006 10:04:55 AM
Data Type: Reprocessed on 5/25/2006 12:24:59 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49HT

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	419733.0	101.37	%	1.878				1.85%
In Radial	10823.0	102.20	%	1.074				1.05%
Y_ Axial	1569370.0	101.07	%	1.757				1.74%
Y_ Radial	97184.9	103.25	%	1.080				1.05%
Sc Axial	1725654.5	101.10	%	1.799				1.78%
Sc Radial	102142.6	103.09	%	1.046				1.01%
Al_1 396.153 R†	4105.2	0.55927	mg/L	0.004508	671.39	mg/L	5.411	0.81%
Al_2 308.215 R†	1043.3	0.54906	mg/L	0.000285	659.13	mg/L	0.342	0.05%
Ca 315.887 R†	7997.5	1.0217	mg/L	0.00934	1226.5	mg/L	11.21	0.91%
Fe_1 273.955†	32240.8	0.68461	mg/L	0.002910	821.87	mg/L	3.493	0.43%
Fe_2 238.863 R†	359.3	0.67966	mg/L	0.006175	815.91	mg/L	7.413	0.91%
Mg 279.077 R†	394.8	0.38366	mg/L	0.005592	460.58	mg/L	6.713	1.46%
Na_1 589.592 R†	8327.4	1.0152	mg/L	0.00437	1218.7	mg/L	5.24	0.43%
Na_2 330.237 R†	48.6	1.0163	mg/L	0.30803	1220.1	mg/L	369.78	30.31%
Zn 206.200†	394.7	0.01238	mg/L	0.000169	14.856	mg/L	0.2028	1.36%

Sequence No.: 31
Sample ID: H49HX
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 5/25/2006 10:08:30 AM
Data Type: Reprocessed on 5/25/2006 12:25:00 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49HX

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	427069.0	103.14	%	0.096				0.09%
In Radial	10902.4	102.95	%	0.268				0.26%
Y_ Axial	1596419.8	102.81	%	0.095				0.09%
Y_ Radial	96573.9	102.60	%	0.668				0.65%
Sc Axial	1755578.6	102.85	%	0.030				0.03%
Sc Radial	101253.3	102.19	%	0.592				0.58%
Al_1 396.153 R†	4368.3	0.59511	mg/L	0.004650	714.42	mg/L	5.583	0.78%
Al_2 308.215 R†	1114.4	0.58650	mg/L	0.004670	704.08	mg/L	5.606	0.80%
Ca 315.887 R†	8151.7	1.0414	mg/L	0.00169	1250.2	mg/L	2.03	0.16%
Fe_1 273.955†	33013.6	0.70102	mg/L	0.000856	841.57	mg/L	1.028	0.12%
Fe_2 238.863 R†	372.3	0.70429	mg/L	0.013415	845.48	mg/L	16.104	1.90%
Mg 279.077 R†	409.8	0.39820	mg/L	0.001317	478.04	mg/L	1.582	0.33%
Na_1 589.592 R†	8975.3	1.0942	mg/L	0.02551	1313.5	mg/L	30.62	2.33%
Na_2 330.237 R†	38.9	0.81185	mg/L	0.111951	974.61	mg/L	134.395	13.79%
Zn 206.200†	410.3	0.01286	mg/L	0.000239	15.441	mg/L	0.2863	1.85%

Sequence No.: 32
Sample ID: H49H1
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 5/25/2006 10:12:03 AM
Data Type: Reprocessed on 5/25/2006 12:25:02 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49H1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	428206.4	103.42	%	0.694				0.67%
In Radial	10918.7	103.10	%	0.164				0.16%
Y_ Axial	1598420.2	102.94	%	0.899				0.87%
Y_ Radial	97776.2	103.88	%	0.139				0.13%
Sc Axial	1756199.1	102.89	%	0.914				0.89%
Sc Radial	102342.4	103.29	%	0.262				0.25%
Al_1 396.153 Rt	76.1	0.01037	mg/L	0.004170	12.453	mg/L	5.0057	40.19%
Al_2 308.215 Rt	10.6	0.00558	mg/L	0.003938	6.7035	mg/L	4.72750	70.52%
Ca 315.887 Rt	2048.7	0.26172	mg/L	0.004017	314.19	mg/L	4.822	1.53%
Fe_1 273.955†	724.1	0.01538	mg/L	0.000001	18.458	mg/L	0.0008	0.00%
Fe_2 238.863 Rt	4.8	0.00916	mg/L	0.012221	10.993	mg/L	14.6707	133.45%
Mg 279.077 Rt	37.3	0.03626	mg/L	0.001597	43.530	mg/L	1.9172	4.40%
Na_1 589.592 Rt	3920.6	0.47796	mg/L	0.001316	573.78	mg/L	1.580	0.28%
Na_2 330.237 Rt	9.7	0.20162	mg/L	0.208551	242.04	mg/L	250.361	103.44%
Zn 206.200†	107.7	0.00338	mg/L	0.000031	4.0520	mg/L	0.03668	0.91%

Sequence No.: 33
Sample ID: H49H5
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 5/25/2006 10:15:37 AM
Data Type: Reprocessed on 5/25/2006 12:25:04 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49H5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	431437.3	104.20	%	0.169				0.16%
In Radial	10945.6	103.35	%	0.181				0.18%
Y_ Axial	1612047.1	103.82	%	0.174				0.17%
Y_ Radial	98538.8	104.69	%	3.141				3.00%
Sc Axial	1770384.1	103.72	%	0.102				0.10%
Sc Radial	103366.1	104.32	%	3.007				2.88%
Al_1 396.153 R†	23.1	0.00315	mg/L	0.000784	3.7832	mg/L	0.94161	24.89%
Al_2 308.215 R†	17.3	0.00912	mg/L	0.003835	10.950	mg/L	4.6038	42.04%
Ca 315.887 R†	1824.5	0.23308	mg/L	0.006150	279.81	mg/L	7.382	2.64%
Fe_1 273.955†	628.4	0.01334	mg/L	0.000819	16.019	mg/L	0.9831	6.14%
Fe_2 238.863 R†	2.4	0.00462	mg/L	0.008549	5.5468	mg/L	10.26273	185.02%
Mg 279.077 R†	24.8	0.02410	mg/L	0.003307	28.928	mg/L	3.9697	13.72%
Na_1 589.592 R†	3297.6	0.40200	mg/L	0.016497	482.60	mg/L	19.804	4.10%
Na_2 330.237 R†	8.4	0.17428	mg/L	0.133530	209.22	mg/L	160.301	76.62%
Zn 206.200†	96.8	0.00304	mg/L	0.000071	3.6441	mg/L	0.08576	2.35%

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.: 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 Rt	-4.9	-0.00067	mg/L	0.010434	-0.00067	mg/L	0.010434	>999.9%
Al_2 308.215 Rt	2.7	0.00144	mg/L	0.001090	0.00144	mg/L	0.001090	75.96%
Ca 315.887 Rt	-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 Rt	2.4	0.00451	mg/L	0.015328	0.00451	mg/L	0.015328	339.67%
Mg 279.077 Rt	-3.2	-0.00312	mg/L	0.009126	-0.00312	mg/L	0.009126	292.57%
Na_1 589.592 Rt	-986.9	-0.12031	mg/L	0.000717	-0.12031	mg/L	0.000717	0.60%
Na_2 330.237 Rt	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.: 59
Sample ID: H49HP
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 5/25/2006 11:51:51 AM
Data Type: Reprocessed on 5/25/2006 12:25:52 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49HP

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	436185.6	105.34	%	1.113				1.06%
In Radial	11078.6	104.61	%	2.837				2.71%
Y_ Axial	1632000.9	105.10	%	1.011				0.96%
Y_ Radial	98341.4	104.48	%	1.594				1.53%
Sc Axial	1792093.2	104.99	%	0.998				0.95%
Sc Radial	103088.3	104.04	%	1.704				1.64%
Al_1 396.153 R†	3873.3	0.52767	mg/L	0.004551	633.46	mg/L	5.463	0.86%
Al_2 308.215 R†	970.9	0.51097	mg/L	0.004806	613.40	mg/L	5.769	0.94%
Ca 315.887 R†	7421.9	0.94817	mg/L	0.010951	1138.3	mg/L	13.15	1.15%
Fe_1 273.955†	30382.7	0.64516	mg/L	0.002120	774.50	mg/L	2.545	0.33%
Fe_2 238.863 R†	333.4	0.63073	mg/L	0.021555	757.18	mg/L	25.876	3.42%
Mg 279.077 R†	352.5	0.34255	mg/L	0.007259	411.23	mg/L	8.714	2.12%
Na_1 589.592 R†	6622.2	0.80731	mg/L	0.011866	969.16	mg/L	14.245	1.47%
Na_2 330.237 R†	59.7	1.2518	mg/L	0.66050	1502.7	mg/L	792.91	52.76%
Zn 206.200†	394.2	0.01236	mg/L	0.000138	14.835	mg/L	0.1657	1.12%

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 Rt	34.6	0.00471	mg/L	0.007743	0.00471	mg/L	0.007743	164.38%
Al_2 308.215 Rt	8.3	0.00437	mg/L	0.003070	0.00437	mg/L	0.003070	70.23%
Ca 315.887 Rt	-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 Rt	7.8	0.01466	mg/L	0.010426	0.01466	mg/L	0.010426	71.10%
Mg 279.077 Rt	6.4	0.00621	mg/L	0.011455	0.00621	mg/L	0.011455	184.33%
Na_1 589.592 Rt	-979.3	-0.11939	mg/L	0.005260	-0.11939	mg/L	0.005260	4.41%
Na_2 330.237 Rt	-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%

Sequence No.: 63
Sample ID: H49GRZ
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 5/25/2006 12:07:10 PM
Data Type: Reprocessed on 5/25/2006 12:25:59 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H49GRZ

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	400390.3	96.698	%	2.1985				2.27%
In Radial	10746.4	101.47	%	0.550				0.54%
Y_ Axial	1531365.1	98.623	%	1.1325				1.15%
Y_ Radial	95874.2	101.86	%	1.268				1.24%
Sc Axial	1693820.4	99.236	%	1.1376				1.15%
Sc Radial	101747.9	102.69	%	1.324				1.29%
Al_1 396.153 R†	16862.4	2.2972	mg/L	0.01633	2757.8	mg/L	19.60	0.71%
Al_2 308.215 R†	4157.0	2.1877	mg/L	0.04359	2626.3	mg/L	52.32	1.99%
Ca 315.887 R†	399585.9	51.048	mg/L	0.1813	61282	mg/L	217.7	0.36%
Fe_1 273.955†	62806.6	1.3337	mg/L	0.04973	1601.0	mg/L	59.70	3.73%
Fe_2 238.863 R†	708.7	1.3406	mg/L	0.00128	1609.4	mg/L	1.54	0.10%
Mg 279.077 R†	52356.0	50.879	mg/L	0.0483	61079	mg/L	58.0	0.10%
Na_1 589.592 R†	389016.5	47.424	mg/L	0.1003	56932	mg/L	120.4	0.21%
Na_2 330.237 R†	2210.0	46.102	mg/L	0.3892	55345	mg/L	467.2	0.84%
Zn 206.200†	16988.5	0.53263	mg/L	0.020256	639.41	mg/L	24.317	3.80%

Sequence No.: 64
Sample ID: CCV
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/25/2006 12:10:38 PM
Data Type: Reprocessed on 5/25/2006 12:26:02 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	406164.0	98.092	%	0.6340				0.65%
In Radial	10828.4	102.25	%	1.484				1.45%
Y_ Axial	1545050.2	99.504	%	0.5037				0.51%
Y_ Radial	95398.8	101.35	%	1.373				1.35%
Sc Axial	1706785.0	99.996	%	0.4033				0.40%
Sc Radial	100791.2	101.73	%	1.048				1.03%
Al_1 396.153 R†	181527.3	24.730	mg/L	0.5763	24.730	mg/L	0.5763	2.33%
Al_2 308.215 R†	45727.6	24.065	mg/L	0.0359	24.065	mg/L	0.0359	0.15%
Ca 315.887 R†	204485.3	26.123	mg/L	0.6147	26.123	mg/L	0.6147	2.35%
Fe_1 273.955†	1210199.5	25.698	mg/L	0.0769	25.698	mg/L	0.0769	0.30%
Fe_2 238.863 R†	13610.8	25.746	mg/L	0.0368	25.746	mg/L	0.0368	0.14%
Mg 279.077 R†	26491.4	25.744	mg/L	0.0821	25.744	mg/L	0.0821	0.32%
Na_1 589.592 R†	197943.1	24.131	mg/L	0.5020	24.131	mg/L	0.5020	2.08%
Na_2 330.237 R†	1178.6	23.369	mg/L	1.0428	23.369	mg/L	1.0428	4.46%
Zn 206.200†	83607.9	2.6213	mg/L	0.00106	2.6213	mg/L	0.00106	0.04%

Sequence No.: 65
Sample ID: CCB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/25/2006 12:13:30 PM
Data Type: Reprocessed on 5/25/2006 12:26:03 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	425425.6	102.74	%	1.319				1.28%
In Radial	10746.7	101.48	%	1.038				1.02%
Y_ Axial	1590511.6	102.43	%	1.140				1.11%
Y_ Radial	95296.2	101.25	%	0.593				0.59%
Sc Axial	1744897.1	102.23	%	1.181				1.16%
Sc Radial	99889.3	100.82	%	0.495				0.49%
Al_1 396.153 R†	59.6	0.00812	mg/L	0.001459	0.00812	mg/L	0.001459	17.96%
Al_2 308.215 R†	1.5	0.00078	mg/L	0.002633	0.00078	mg/L	0.002633	339.07%
Ca 315.887 R†	-24.0	-0.00307	mg/L	0.002827	-0.00307	mg/L	0.002827	92.09%
Fe_1 273.955†	76.8	0.00163	mg/L	0.000481	0.00163	mg/L	0.000481	29.47%
Fe_2 238.863 R†	4.7	0.00886	mg/L	0.003173	0.00886	mg/L	0.003173	35.81%
Mg 279.077 R†	-4.2	-0.00408	mg/L	0.000324	-0.00408	mg/L	0.000324	7.94%
Na_1 589.592 R†	-493.5	-0.06016	mg/L	0.002429	-0.06016	mg/L	0.002429	4.04%
Na_2 330.237 R†	6.7	0.14041	mg/L	0.913747	0.14041	mg/L	0.913747	650.76%
Zn 206.200†	7.2	0.00023	mg/L	0.000080	0.00023	mg/L	0.000080	35.22%

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: MTL DATE: 5/24/06	DATA ENTERED BY: BRJ DATE: 5/24/06

Dataset Report

Perkin Elmer ICPMS M01
SOP No. SAC-MT-0001
Method 6020
User Name: JonesE
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	$FeSH$
	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	☑

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

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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	

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

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]8135660.497		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	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
>	72 Ge			1642802.339	ug/L	1654184.823
	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
>	115 In			1904985.417	ug/L	1939733.014
	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
>	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	
>	Li-1	6	102.682
	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	99.312
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.209
	Tl	205	
	Pb	208	
>	Tm-1	169	98.187
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.312
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.209
	207.977	208	
	Pb	207	
	Pb	206	
>	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	

BJones

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	98.443673	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	39.338882	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	

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	

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	

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

Sample ID: H5T00B
Sample Description: G6E190000-501 BLK
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 19:56:14
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5T00B.047
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 22
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			1923044.835	ug/L	1922024.174
>	6	Li-1			817603.986	ug/L	803965.135
	9	Be	-0.023031	51.114	6.000	ug/L	10.667
	27	Al	1.194901	8.364	30656.612	ug/L	26982.224
	44	Ca	-5.593183	16.140	34645.458	ug/L	35932.629
	51	V	2.354132	1.492	-4817.185	ug/L	-21740.024
	52	Cr	-1.745743	2.715	20070.999	ug/L	31281.492
	55	Mn	0.116604	25.443	3705.455	ug/L	2524.698
	54	Fe	28.359173	18.008	91657.742	ug/L	78881.017
	57	Fe	-2.401309	78.259	12557.029	ug/L	13102.049
	59	Co	0.010632	38.413	245.337	ug/L	161.668
	60	Ni	0.017425	12.223	170.843	ug/L	141.649
	65	Cu	-0.009196	21.786	166.119	ug/L	182.452
	68	Zn	0.321973	65.692	3137.563	ug/L	2937.493
	75	As	0.937317	50.549	19419.649	ug/L	17891.829
	82	Se	-0.315075	40.182	570.196	ug/L	622.124
	97	Mo	-0.450232	6.023	261.004	ug/L	933.719
>	72	Ge-1			1682305.883	ug/L	1688123.597
	107	Ag	-0.019076	7.910	109.667	ug/L	252.337
	111	Cd	-0.014190	24.187	20.812	ug/L	45.541
	121	Sb	-0.058060	2.409	228.003	ug/L	575.352
	135	Ba	-0.079188	9.781	175.335	ug/L	296.338
>	115	In-1			1918542.630	ug/L	1898604.670
	205	Tl	-0.117742	5.667	1042.396	ug/L	2406.005
	208	Pb	0.003401	80.606	1456.713	ug/L	1357.375
>	169	Tm-1			1131058.380	ug/L	1096203.961
	50	Cr	3.521348	7.322	-397.600	ug/L	-859.802
	53	Cr	-92.211630	4.557	58958.367	ug/L	123123.596
	61	Ni	-5.929640	43.357	1969.954	ug/L	2131.060
	63	Cu	-0.016290	23.382	78.668	ug/L	100.002
	67	Zn	-11.863603	5.631	1007.162	ug/L	1641.431
	66	Zn	0.320744	46.330	1441.666	ug/L	1342.622
	76	Se	24.528250	1331.571	-222692.710	ug/L	-223014.947
	77	Se	-89.530286	4.217	7583.306	ug/L	17707.535
	78	Se	-0.159190	272.460	20513.183	ug/L	20646.253

	79 Br	6382.339562	5.486	24516.396	ug/L	45723.195
>	72 Ge			1682305.883	ug/L	1688123.597
	108 Cd	-0.064867	56.333	-0.900	ug/L	6.952
	114 Cd	-0.009550	20.903	62.088	ug/L	100.764
	109 Ag	-0.019189	7.941	38.334	ug/L	88.668
>	115 In			1918542.630	ug/L	1898604.670
	208 207.977	-0.000014	16620.166	745.365	ug/L	722.363
	207 Pb	0.005890	111.013	323.006	ug/L	293.338
	206 Pb	0.007896	46.819	388.342	ug/L	341.673
>	169 Tm			1131058.380	ug/L	1096203.961
	106 Pd	-0.064369	21.534	4.667	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	101.696
	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	99.655
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.050
	Tl	205	
	Pb	208	
>	Tm-1	169	103.180
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.655
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.050
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	103.180
	Pd	106	

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

Sample ID: H5T00C
Sample Description: G6E190000-501 LCS
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 20:00:33
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5T00C.048
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 105
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			1898569.919	ug/L	1922024.174
>	6	Li-1			819528.161	ug/L	803965.135
	9	Be	192.091443	4.182	40986.113	ug/L	10.667
	27	Al	1041.335674	0.425	3320777.603	ug/L	26982.224
	44	Ca	1076.882019	2.510	260545.789	ug/L	35932.629
	51	V	180.380854	2.871	1272984.115	ug/L	-21740.024
	52	Cr	189.884674	2.971	1242558.234	ug/L	31281.492
	55	Mn	182.182506	0.901	1864610.912	ug/L	2524.698
	54	Fe	1117.305739	2.543	594827.822	ug/L	78881.017
	57	Fe	1004.719419	1.439	222092.667	ug/L	13102.049
	59	Co	184.194596	1.687	1466200.752	ug/L	161.668
	60	Ni	194.726157	3.641	332951.630	ug/L	141.649
	65	Cu	199.615775	0.440	342388.259	ug/L	182.452
	68	Zn	196.101842	0.915	131733.049	ug/L	2937.493
	75	As	188.845510	2.152	339838.301	ug/L	17891.829
	82	Se	190.098228	1.459	30759.177	ug/L	622.124
	97	Mo	201.809395	2.788	301899.998	ug/L	933.719
>	72	Ge-1			1687276.234	ug/L	1688123.597
	107	Ag	48.998864	1.051	379305.621	ug/L	252.337
	111	Cd	184.567428	1.075	332650.588	ug/L	45.541
	121	Sb	44.316695	1.024	274428.729	ug/L	575.352
	135	Ba	192.091977	1.610	305821.770	ug/L	296.338
>	115	In-1			1948040.462	ug/L	1898604.670
	205	Tl	50.110322	3.162	617417.880	ug/L	2406.005
	208	Pb	186.320420	3.173	3074915.120	ug/L	1357.375
>	169	Tm-1			1135717.818	ug/L	1096203.961
	50	Cr	174.982088	4.031	22035.126	ug/L	-859.802
	53	Cr	121.889193	10.956	207589.069	ug/L	123123.596
	61	Ni	199.138380	5.244	7297.851	ug/L	2131.060
	63	Cu	199.181196	0.319	257604.051	ug/L	100.002
	67	Zn	184.103680	2.154	11426.858	ug/L	1641.431
	66	Zn	190.136573	0.691	63059.279	ug/L	1342.622
	76	Se	-290.359950	86.049	-217737.441	ug/L	-223014.947
	77	Se	110.461316	9.467	30154.368	ug/L	17707.535
	78	Se	192.667775	3.940	94823.896	ug/L	20646.253

	79 Br	6616.104993	6.155	23812.377	ug/L	45723.195
>	72 Ge			1687276.234	ug/L	1688123.597
	108 Cd	183.971658	3.295	22886.423	ug/L	6.952
	114 Cd	184.692048	0.872	778033.201	ug/L	100.764
	109 Ag	46.645120	0.385	126741.081	ug/L	88.668
>	115 In			1948040.462	ug/L	1898604.670
	208 207.977	184.994635	2.776	1573152.264	ug/L	722.363
	207 Pb	198.009289	3.962	683900.310	ug/L	293.338
	206 Pb	179.918254	3.295	817862.546	ug/L	341.673
>	169 Tm			1135717.818	ug/L	1096203.961
	106 Pd	197.503565	1.439	29674.574	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	101.936
	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	99.950
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.604
	Tl	205	
	Pb	208	
>	Tm-1	169	103.605
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.950
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.604
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	103.605
	Pd	106	

Sample ID: H5T00L
Sample Description: G6E190000-501 LCSD
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 20:04:51
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H5T00L.049
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 106
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			1932293.590	ug/L	1922024.174
>	6	Li-1			818240.554	ug/L	803965.135
	9	Be	188.570750	1.396	40202.145	ug/L	10.667
	27	Al	1018.031865	1.977	3240425.849	ug/L	26982.224
	44	Ca	1076.390162	1.597	259971.860	ug/L	35932.629
	51	V	178.188196	2.188	1254589.852	ug/L	-21740.024
	52	Cr	186.077838	1.418	1215829.156	ug/L	31281.492
	55	Mn	180.453715	0.742	1843572.365	ug/L	2524.698
	54	Fe	1093.714316	2.839	582707.495	ug/L	78881.017
	57	Fe	981.217880	1.911	216773.665	ug/L	13102.049
	59	Co	179.387521	3.654	1424891.062	ug/L	161.668
	60	Ni	192.062555	3.185	327740.904	ug/L	141.649
	65	Cu	194.834435	3.055	333455.720	ug/L	182.452
	68	Zn	191.281770	2.341	128301.955	ug/L	2937.493
	75	As	185.610034	1.339	333735.272	ug/L	17891.829
	82	Se	185.725511	0.174	30011.860	ug/L	622.124
	97	Mo	196.285363	2.349	293110.482	ug/L	933.719
>	72	Ge-1			1684165.022	ug/L	1688123.597
	107	Ag	47.885593	0.342	365093.470	ug/L	252.337
	111	Cd	184.359080	1.144	327250.336	ug/L	45.541
	121	Sb	44.294143	1.974	270115.532	ug/L	575.352
	135	Ba	192.575436	1.323	301943.473	ug/L	296.338
>	115	In-1			1918648.752	ug/L	1898604.670
	205	Tl	49.077352	1.401	610161.829	ug/L	2406.005
	208	Pb	182.457934	2.325	3037893.611	ug/L	1357.375
>	169	Tm-1			1145402.080	ug/L	1096203.961
	50	Cr	181.669551	4.161	22859.819	ug/L	-859.802
	53	Cr	114.709607	2.001	202242.366	ug/L	123123.596
	61	Ni	192.047303	5.905	7098.724	ug/L	2131.060
	63	Cu	192.622652	0.843	248649.286	ug/L	100.002
	67	Zn	178.104566	1.291	11086.632	ug/L	1641.431
	66	Zn	183.902290	1.339	60915.356	ug/L	1342.622
	76	Se	-238.157241	36.255	-218274.656	ug/L	-223014.947
	77	Se	104.541937	2.425	29434.630	ug/L	17707.535
	78	Se	191.582616	2.226	94229.667	ug/L	20646.253

	79 Br	6792.029641	4.473	23197.556	ug/L	45723.195
>	72 Ge			1684165.022	ug/L	1688123.597
	108 Cd	181.266500	2.144	22206.738	ug/L	6.952
	114 Cd	185.800303	1.352	770878.883	ug/L	100.764
	109 Ag	48.186279	2.440	128936.108	ug/L	88.668
>	115 In			1918648.752	ug/L	1898604.670
	208 207.977	181.177372	2.429	1554242.678	ug/L	722.363
	207 Pb	194.077273	1.723	676390.384	ug/L	293.338
	206 Pb	176.024014	2.649	807260.549	ug/L	341.673
>	169 Tm			1145402.080	ug/L	1096203.961
	106 Pd	192.588473	1.944	28936.446	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	101.776
	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	99.766
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.056
	Tl	205	
	Pb	208	
>	Tm-1	169	104.488
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.766
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.056
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.488
	Pd	106	

BJones

Sample ID: H49GR
Sample Description: G6E120166-1
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 20:09:08
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49GR.050
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 46
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			1893147.333	ug/L	1922024.174
>	6	Li-1			802074.127	ug/L	803965.135
	9	Be	-0.003326	848.214	10.000	ug/L	10.667
	27	Al	256.877315	1.683	842413.422	ug/L	26982.224
	44	Ca	654.300604	1.879	173009.966	ug/L	35932.629
	51	V	3.082170	8.219	391.514	ug/L	-21740.024
	52	Cr	0.459499	20.852	34314.835	ug/L	31281.492
	55	Mn	11.206686	0.771	117473.327	ug/L	2524.698
	54	Fe	307.075750	2.727	221419.466	ug/L	78881.017
	57	Fe	270.956155	0.648	69701.319	ug/L	13102.049
	59	Co	0.476798	0.265	3970.234	ug/L	161.668
	60	Ni	4.570244	0.715	7981.695	ug/L	141.649
	65	Cu	30.202057	1.471	52135.546	ug/L	182.452
	68	Zn	9.934311	1.737	9493.147	ug/L	2937.493
	75	As	0.995189	17.432	19647.223	ug/L	17891.829
	82	Se	1.341397	21.439	837.311	ug/L	622.124
	97	Mo	0.225964	68.718	1275.095	ug/L	933.719
>	72	Ge-1			1693106.596	ug/L	1688123.597
	107	Ag	0.022460	7.139	421.010	ug/L	252.337
	111	Cd	0.077745	0.126	181.773	ug/L	45.541
	121	Sb	0.369324	17.037	2793.117	ug/L	575.352
	135	Ba	4.052333	2.782	6566.464	ug/L	296.338
>	115	In-1			1895318.833	ug/L	1898604.670
	205	Tl	-0.130866	2.011	889.712	ug/L	2406.005
	208	Pb	3.013883	1.541	51369.873	ug/L	1357.375
>	169	Tm-1			1140685.594	ug/L	1096203.961
	50	Cr	6.166757	24.038	-53.069	ug/L	-859.802
	53	Cr	-95.369273	6.201	57137.309	ug/L	123123.596
	61	Ni	-1.335204	193.584	2102.708	ug/L	2131.060
	63	Cu	31.231082	4.909	40619.758	ug/L	100.002
	67	Zn	-3.338546	41.808	1468.346	ug/L	1641.431
	66	Zn	9.923777	2.387	4579.020	ug/L	1342.622
	76	Se	-27.296407	311.911	-223184.803	ug/L	-223014.947
	77	Se	-95.206630	2.603	6988.289	ug/L	17707.535
	78	Se	-2.243017	9.222	19840.249	ug/L	20646.253

	79 Br	6194.332491	3.528	25295.586	ug/L	45723.195
>	72 Ge			1693106.596	ug/L	1688123.597
	108 Cd	0.264059	35.877	38.943	ug/L	6.952
	114 Cd	0.068160	4.959	379.860	ug/L	100.764
	109 Ag	0.018956	27.766	138.670	ug/L	88.668
>	115 In			1895318.833	ug/L	1898604.670
	208 207.977	3.112428	1.972	27331.623	ug/L	722.363
	207 Pb	3.132034	1.712	11172.463	ug/L	293.338
	206 Pb	2.739781	1.871	12865.787	ug/L	341.673
>	169 Tm			1140685.594	ug/L	1096203.961
	106 Pd	0.570447	8.813	100.001	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	99.765
	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	100.295
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.827
	Tl	205	
	Pb	208	
>	Tm-1	169	104.058
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	100.295
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.827
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.058
	Pd	106	

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

Sample ID: H49GRP5
Sample Description: G6E120166-1 5X
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 20:13:24
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49GRP5.051
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 47
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			1914434.647	ug/L	1922024.174
>	6	Li-1			827409.957	ug/L	803965.135
	9	Be	-0.025985	52.990	5.333	ug/L	10.667
	27	Al	51.596983	1.795	193353.199	ug/L	26982.224
	44	Ca	141.232393	4.549	66462.479	ug/L	35932.629
	51	V	1.108682	31.970	-14019.009	ug/L	-21740.024
	52	Cr	-0.233588	66.149	30267.278	ug/L	31281.492
	55	Mn	2.297706	1.571	26442.565	ug/L	2524.698
	54	Fe	59.181288	9.292	107946.896	ug/L	78881.017
	57	Fe	53.902379	2.227	24713.510	ug/L	13102.049
	59	Co	0.085771	6.903	858.042	ug/L	161.668
	60	Ni	0.992678	1.303	1869.125	ug/L	141.649
	65	Cu	6.078258	1.174	10778.808	ug/L	182.452
	68	Zn	4.008943	5.841	5661.165	ug/L	2937.493
	75	As	0.513867	30.136	19071.793	ug/L	17891.829
	82	Se	-0.496022	49.120	552.004	ug/L	622.124
	97	Mo	-0.375986	4.261	378.675	ug/L	933.719
>	72	Ge-1			1715504.796	ug/L	1688123.597
	107	Ag	0.002769	104.410	274.338	ug/L	252.337
	111	Cd	0.003996	242.527	52.665	ug/L	45.541
	121	Sb	0.132882	14.160	1380.776	ug/L	575.352
	135	Ba	0.778531	2.150	1509.797	ug/L	296.338
>	115	In-1			1906929.518	ug/L	1898604.670
	205	Tl	-0.172563	0.253	366.674	ug/L	2406.005
	208	Pb	0.638286	1.914	11708.405	ug/L	1357.375
>	169	Tm-1			1113735.344	ug/L	1096203.961
	50	Cr	1.830929	11.299	-630.086	ug/L	-859.802
	53	Cr	-34.244589	14.848	100960.781	ug/L	123123.596
	61	Ni	-7.804983	31.658	1959.281	ug/L	2131.060
	63	Cu	6.282898	1.050	8359.499	ug/L	100.002
	67	Zn	0.164244	919.203	1676.450	ug/L	1641.431
	66	Zn	4.105352	2.936	2719.517	ug/L	1342.622
	76	Se	292.739871	53.615	-231913.037	ug/L	-223014.947
	77	Se	-36.150951	3.496	13849.335	ug/L	17707.535
	78	Se	-1.605045	64.273	20351.879	ug/L	20646.253

	79 Br	1465.024671	18.102	41535.247	ug/L	45723.195
>	72 Ge			1715504.796	ug/L	1688123.597
	108 Cd	0.046971	148.778	12.767	ug/L	6.952
	114 Cd	0.007988	38.814	134.098	ug/L	100.764
	109 Ag	0.003363	9.716	98.002	ug/L	88.668
>	115 In			1906929.518	ug/L	1898604.670
	208 207.977	0.657011	2.729	6211.871	ug/L	722.363
	207 Pb	0.668464	2.281	2562.375	ug/L	293.338
	206 Pb	0.580331	2.073	2934.159	ug/L	341.673
>	169 Tm			1113735.344	ug/L	1096203.961
	106 Pd	0.093224	48.620	28.333	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	102.916
	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	101.622
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.438
	Tl	205	
	Pb	208	
>	Tm-1	169	101.599
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.622
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.438
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	101.599
	Pd	106	

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

Sample ID: H49GRZ
Sample Description: G6E120166-1 PS
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 20:17:41
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49GRZ.052
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 48
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			1870807.952	ug/L	1922024.174
>	6	Li-1			856070.024	ug/L	803965.135
	9	Be	193.135168	4.913	43061.131	ug/L	10.667
	27	Al	1350.645202	1.132	4245767.425	ug/L	26982.224
	44	Ca	1769.038377	2.800	399933.640	ug/L	35932.629
	51	V	188.744627	0.739	1316460.576	ug/L	-21740.024
	52	Cr	198.919482	1.291	1284034.100	ug/L	31281.492
	55	Mn	200.373416	1.836	2024961.551	ug/L	2524.698
	54	Fe	1443.882432	3.973	736267.880	ug/L	78881.017
	57	Fe	1323.748949	2.633	284841.047	ug/L	13102.049
	59	Co	193.163323	0.853	1518574.010	ug/L	161.668
	60	Ni	206.989296	1.312	349574.618	ug/L	141.649
	65	Cu	238.234103	1.995	403468.771	ug/L	182.452
	68	Zn	217.008867	1.731	143649.742	ug/L	2937.493
	75	As	200.586427	0.570	355436.551	ug/L	17891.829
	82	Se	201.923492	1.336	32228.685	ug/L	622.124
	97	Mo	209.423319	1.858	309362.735	ug/L	933.719
>	72	Ge-1			1666383.052	ug/L	1688123.597
	107	Ag	51.876222	0.671	393711.789	ug/L	252.337
	111	Cd	195.916336	1.200	346193.485	ug/L	45.541
	121	Sb	47.220006	1.152	286647.002	ug/L	575.352
	135	Ba	207.324041	1.504	323584.849	ug/L	296.338
>	115	In-1			1910030.244	ug/L	1898604.670
	205	Tl	51.786165	2.395	641368.473	ug/L	2406.005
	208	Pb	196.342729	0.942	3257633.964	ug/L	1357.375
>	169	Tm-1			1141226.786	ug/L	1096203.961
	50	Cr	188.420658	9.347	23483.138	ug/L	-859.802
	53	Cr	133.024682	11.696	212621.324	ug/L	123123.596
	61	Ni	210.607550	0.431	7502.664	ug/L	2131.060
	63	Cu	234.318731	2.090	299236.447	ug/L	100.002
	67	Zn	207.158350	3.210	12495.613	ug/L	1641.431
	66	Zn	209.697253	1.174	68550.562	ug/L	1342.622
	76	Se	-470.860267	76.843	-211930.818	ug/L	-223014.947
	77	Se	122.018990	7.571	31061.897	ug/L	17707.535
	78	Se	203.495065	1.470	97774.175	ug/L	20646.253

	79 Br	5789.628730	5.276	26219.838	ug/L	45723.195
>	72 Ge			1666383.052	ug/L	1688123.597
	108 Cd	190.519597	1.411	23236.722	ug/L	6.952
	114 Cd	195.517395	2.505	807467.521	ug/L	100.764
	109 Ag	49.821965	0.787	132720.076	ug/L	88.668
>	115 In			1910030.244	ug/L	1898604.670
	208 207.977	195.070025	0.829	1667653.213	ug/L	722.363
	207 Pb	207.634225	1.663	721034.886	ug/L	293.338
	206 Pb	190.143227	1.586	868945.864	ug/L	341.673
>	169 Tm			1141226.786	ug/L	1096203.961
	106 Pd	203.127371	0.710	30519.133	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	106.481
	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	98.712
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.602
	Tl	205	
	Pb	208	
>	Tm-1	169	104.107
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	98.712
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.602
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.107
	Pd	106	

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

Sample ID: H49G2
Sample Description: G6E120166-2
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 20:21:59
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49G2.053
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 49
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			1906363.578	ug/L	1922024.174
>	6	Li-1			847923.297	ug/L	803965.135
	9	Be	-0.011640	48.996	8.667	ug/L	10.667
	27	Al	258.600603	1.479	856460.337	ug/L	26982.224
	44	Ca	663.846735	2.494	176764.134	ug/L	35932.629
	51	V	2.973163	4.342	-397.156	ug/L	-21740.024
	52	Cr	0.310386	57.409	33693.446	ug/L	31281.492
	55	Mn	11.322042	1.717	119859.853	ug/L	2524.698
	54	Fe	307.514079	1.814	223865.599	ug/L	78881.017
	57	Fe	274.389122	4.509	71136.691	ug/L	13102.049
	59	Co	0.586604	1.375	4896.036	ug/L	161.668
	60	Ni	3.847255	3.644	6808.742	ug/L	141.649
	65	Cu	12.418773	1.806	21762.206	ug/L	182.452
	68	Zn	9.346761	3.991	9196.832	ug/L	2937.493
	75	As	0.886354	17.233	19656.883	ug/L	17891.829
	82	Se	-0.388211	44.216	568.113	ug/L	622.124
	97	Mo	0.399383	49.782	1549.807	ug/L	933.719
>	72	Ge-1			1710306.794	ug/L	1688123.597
	107	Ag	0.016707	13.103	387.675	ug/L	252.337
	111	Cd	0.082440	24.690	194.593	ug/L	45.541
	121	Sb	0.373570	17.508	2889.815	ug/L	575.352
	135	Ba	4.566043	3.134	7552.925	ug/L	296.338
>	115	In-1			1945617.397	ug/L	1898604.670
	205	Tl	-0.147175	2.170	700.361	ug/L	2406.005
	208	Pb	3.011887	2.443	52223.772	ug/L	1357.375
>	169	Tm-1			1160617.066	ug/L	1096203.961
	50	Cr	6.663466	3.881	12.564	ug/L	-859.802
	53	Cr	-94.567824	6.425	58270.060	ug/L	123123.596
	61	Ni	-3.723010	38.493	2061.347	ug/L	2131.060
	63	Cu	12.620993	0.224	16640.861	ug/L	100.002
	67	Zn	-2.776580	67.372	1513.367	ug/L	1641.431
	66	Zn	8.862605	6.074	4274.924	ug/L	1342.622
	76	Se	-56.623167	69.496	-224926.865	ug/L	-223014.947
	77	Se	-94.936328	2.733	7090.013	ug/L	17707.535
	78	Se	-2.502521	21.028	19939.928	ug/L	20646.253

	79 Br	6044.608918	6.046	26053.164	ug/L	45723.195
>	72 Ge			1710306.794	ug/L	1688123.597
	108 Cd	0.281464	35.593	42.288	ug/L	6.952
	114 Cd	0.082679	17.270	450.215	ug/L	100.764
	109 Ag	0.012384	39.302	124.669	ug/L	88.668
>	115 In			1945617.397	ug/L	1898604.670
	208 207.977	3.081498	2.261	27536.930	ug/L	722.363
	207 Pb	3.134179	2.471	11372.386	ug/L	293.338
	206 Pb	2.788757	2.808	13314.456	ug/L	341.673
>	169 Tm			1160617.066	ug/L	1096203.961
	106 Pd	0.614840	16.544	106.667	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	105.468
	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	101.314
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.476
	Tl	205	
	Pb	208	
>	Tm-1	169	105.876
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.314
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.476
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	105.876
	Pd	106	

Sample ID: H49G3
Sample Description: G6E120166-3
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 20:26:16
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49G3.054
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 50
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			1879266.349	ug/L	1922024.174
>	6	Li-1			805116.156	ug/L	803965.135
	9	Be	-0.015983	90.749	7.333	ug/L	10.667
	27	Al	232.251260	2.743	749620.654	ug/L	26982.224
	44	Ca	600.626249	6.316	158634.277	ug/L	35932.629
	51	V	2.983757	7.565	-315.949	ug/L	-21740.024
	52	Cr	0.232687	114.239	32224.606	ug/L	31281.492
	55	Mn	10.578293	16.568	108751.779	ug/L	2524.698
	54	Fe	294.876957	8.875	211554.319	ug/L	78881.017
	57	Fe	263.659431	4.467	66867.021	ug/L	13102.049
	59	Co	0.453944	2.785	3715.455	ug/L	161.668
	60	Ni	3.242863	3.327	5595.187	ug/L	141.649
	65	Cu	29.640888	3.318	50189.755	ug/L	182.452
	68	Zn	8.404791	8.912	8319.624	ug/L	2937.493
	75	As	1.349851	27.540	19865.681	ug/L	17891.829
	82	Se	-0.313551	80.945	563.313	ug/L	622.124
	97	Mo	-0.106071	21.204	762.700	ug/L	933.719
>	72	Ge-1			1661286.229	ug/L	1688123.597
	107	Ag	0.003200	99.468	271.338	ug/L	252.337
	111	Cd	0.065545	20.303	157.540	ug/L	45.541
	121	Sb	0.155713	10.766	1483.459	ug/L	575.352
	135	Ba	4.668144	5.244	7387.118	ug/L	296.338
>	115	In-1			1863622.381	ug/L	1898604.670
	205	Tl	-0.161011	1.299	518.682	ug/L	2406.005
	208	Pb	3.058447	4.153	52166.962	ug/L	1357.375
>	169	Tm-1			1142827.954	ug/L	1096203.961
	50	Cr	7.846296	29.110	163.246	ug/L	-859.802
	53	Cr	-92.133185	8.443	58202.292	ug/L	123123.596
	61	Ni	-6.272075	25.496	1936.600	ug/L	2131.060
	63	Cu	29.954740	6.018	38198.978	ug/L	100.002
	67	Zn	-3.369846	67.650	1437.665	ug/L	1641.431
	66	Zn	8.722698	10.802	4105.367	ug/L	1342.622
	76	Se	66.040427	180.138	-220649.003	ug/L	-223014.947
	77	Se	-93.662537	4.204	7022.975	ug/L	17707.535
	78	Se	-0.714198	185.231	20041.270	ug/L	20646.253

	79 Br	6045.941385	5.956	25287.900	ug/L	45723.195
>	72 Ge			1661286.229	ug/L	1688123.597
	108 Cd	0.249181	4.887	36.447	ug/L	6.952
	114 Cd	0.065340	10.786	362.676	ug/L	100.764
	109 Ag	0.002827	261.369	94.335	ug/L	88.668
>	115 In			1863622.381	ug/L	1898604.670
	208 207.977	3.151776	3.943	27701.115	ug/L	722.363
	207 Pb	3.184498	3.563	11368.047	ug/L	293.338
	206 Pb	2.788100	5.373	13097.800	ug/L	341.673
>	169 Tm			1142827.954	ug/L	1096203.961
	106 Pd	0.461684	27.455	83.667	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	100.143
	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	98.410
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.157
	Tl	205	
	Pb	208	
>	Tm-1	169	104.253
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	98.410
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.157
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.253
	Pd	106	

Sample ID: H49G4
Sample Description: G6E120166-4
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 20:30:34
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49G4.055
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 51
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			1869881.506	ug/L	1922024.174
>	6	Li-1			801441.544	ug/L	803965.135
	9	Be	-0.006114	281.793	9.333	ug/L	10.667
	27	Al	274.446078	2.082	890321.243	ug/L	26982.224
	44	Ca	627.796545	3.958	165973.834	ug/L	35932.629
	51	V	2.787788	10.016	-1716.583	ug/L	-21740.024
	52	Cr	0.196995	70.063	32355.425	ug/L	31281.492
	55	Mn	10.746326	1.257	111783.396	ug/L	2524.698
	54	Fe	351.683977	1.749	239996.001	ug/L	78881.017
	57	Fe	304.521505	3.253	76045.348	ug/L	13102.049
	59	Co	0.505741	1.097	4164.991	ug/L	161.668
	60	Ni	2.503977	3.872	4398.235	ug/L	141.649
	65	Cu	17.362804	2.688	29787.486	ug/L	182.452
	68	Zn	10.259333	2.647	9623.959	ug/L	2937.493
	75	As	1.253155	29.261	19909.121	ug/L	17891.829
	82	Se	-0.023828	533.625	614.663	ug/L	622.124
	97	Mo	-0.192882	6.631	642.024	ug/L	933.719
>	72	Ge-1			1678492.751	ug/L	1688123.597
	107	Ag	-0.002451	75.851	230.336	ug/L	252.337
	111	Cd	0.066276	6.029	159.583	ug/L	45.541
	121	Sb	0.143084	7.667	1415.781	ug/L	575.352
	135	Ba	5.319369	3.324	8415.046	ug/L	296.338
>	115	In-1			1870790.586	ug/L	1898604.670
	205	Tl	-0.160266	0.435	523.682	ug/L	2406.005
	208	Pb	3.402892	1.241	57431.930	ug/L	1357.375
>	169	Tm-1			1132995.217	ug/L	1096203.961
	50	Cr	7.530933	29.192	123.309	ug/L	-859.802
	53	Cr	-91.614196	7.917	59217.279	ug/L	123123.596
	61	Ni	-5.889707	107.647	1967.623	ug/L	2131.060
	63	Cu	17.061456	1.935	22037.770	ug/L	100.002
	67	Zn	-1.366732	199.392	1559.057	ug/L	1641.431
	66	Zn	10.240022	5.114	4641.782	ug/L	1342.622
	76	Se	82.320131	345.154	-223248.664	ug/L	-223014.947
	77	Se	-93.616577	4.509	7105.692	ug/L	17707.535
	78	Se	-1.566692	41.630	19925.753	ug/L	20646.253

	79 Br	6006.882852	7.714	25692.107	ug/L	45723.195
>	72 Ge			1678492.751	ug/L	1688123.597
	108 Cd	0.281199	19.576	40.436	ug/L	6.952
	114 Cd	0.061149	14.773	346.510	ug/L	100.764
	109 Ag	-0.003708	78.394	77.668	ug/L	88.668
>	115 In			1870790.586	ug/L	1898604.670
	208 207.977	3.491344	2.055	30365.280	ug/L	722.363
	207 Pb	3.616022	0.866	12765.305	ug/L	293.338
	206 Pb	3.075496	1.406	14301.345	ug/L	341.673
>	169 Tm			1132995.217	ug/L	1096203.961
	106 Pd	0.508296	1.513	90.667	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	99.686
	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	98.535
	Tl	205	
	Pb	208	
>	Tm-1	169	103.356
	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	98.535
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	103.356
	Pd	106	

Sample ID: H49G7
Sample Description: G6E120166-5
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 20:34:53
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49G7.056
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 52
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			1958647.568	ug/L	1922024.174
>	6	Li-1			855336.867	ug/L	803965.135
	9	Be	-0.029906	10.989	4.667	ug/L	10.667
	27	Al	263.028133	1.972	886301.766	ug/L	26982.224
	44	Ca	604.524519	1.161	167208.650	ug/L	35932.629
	51	V	2.953188	2.113	-553.432	ug/L	-21740.024
	52	Cr	0.120179	10.783	33057.668	ug/L	31281.492
	55	Mn	10.244321	2.602	110644.248	ug/L	2524.698
	54	Fe	326.325922	4.958	236819.770	ug/L	78881.017
	57	Fe	294.035457	0.771	76635.642	ug/L	13102.049
	59	Co	0.641483	2.495	5435.021	ug/L	161.668
	60	Ni	1.895302	4.124	3489.276	ug/L	141.649
	65	Cu	10.971928	3.536	19593.619	ug/L	182.452
	68	Zn	8.159717	4.887	8558.852	ug/L	2937.493
	75	As	0.650549	21.743	19597.932	ug/L	17891.829
	82	Se	-0.324537	21.114	588.552	ug/L	622.124
	97	Mo	-0.248717	3.589	580.353	ug/L	933.719
>	72	Ge-1			1741298.770	ug/L	1688123.597
	107	Ag	-0.009615	51.548	185.335	ug/L	252.337
	111	Cd	0.063278	30.680	161.493	ug/L	45.541
	121	Sb	0.081243	12.095	1097.069	ug/L	575.352
	135	Ba	4.206635	1.500	7025.153	ug/L	296.338
>	115	In-1			1956508.772	ug/L	1898604.670
	205	Tl	-0.162944	0.997	506.348	ug/L	2406.005
	208	Pb	2.888874	1.825	50513.590	ug/L	1357.375
>	169	Tm-1			1168928.120	ug/L	1096203.961
	50	Cr	6.409430	3.124	-21.153	ug/L	-859.802
	53	Cr	-92.880317	6.905	60570.988	ug/L	123123.596
	61	Ni	-4.035531	42.714	2090.032	ug/L	2131.060
	63	Cu	11.298675	3.268	15174.433	ug/L	100.002
	67	Zn	-4.302826	15.492	1457.340	ug/L	1641.431
	66	Zn	8.150535	3.365	4114.374	ug/L	1342.622
	76	Se	231.866077	19.613	-234292.758	ug/L	-223014.947
	77	Se	-91.671379	3.453	7600.983	ug/L	17707.535
	78	Se	-2.473729	8.618	20313.359	ug/L	20646.253

79 Br	6277.145721	3.655	25737.167	ug/L	45723.195
72 Ge			1741298.770	ug/L	1688123.597
108 Cd	0.194129	45.716	31.399	ug/L	6.952
114 Cd	0.058728	8.578	352.262	ug/L	100.764
109 Ag	-0.008936	28.887	67.001	ug/L	88.668
115 In			1956508.772	ug/L	1898604.670
208 207.977	2.959410	1.441	26668.914	ug/L	722.363
207 Pb	2.991653	2.969	10947.178	ug/L	293.338
206 Pb	2.678842	1.824	12897.499	ug/L	341.673
169 Tm			1168928.120	ug/L	1096203.961
106 Pd	0.521614	15.600	92.667	ug/L	14.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	106.390
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	103.150
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	103.050
Tl	205	
Pb	208	
Tm-1	169	106.634
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.150
Cd	108	
Cd	114	
Ag	109	
In	115	103.050
207.977	208	
Pb	207	
Pb	206	
Tm	169	106.634
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	

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

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: H49HA
Sample Description: G6E120166-6
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 20:56:35
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49HA.061
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 53
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			1954240.408	ug/L	1922024.174
>	6	Li-1			815425.747	ug/L	803965.135
	9	Be	-0.021089	47.161	6.333	ug/L	10.667
	27	Al	259.687845	3.157	864518.184	ug/L	26982.224
	44	Ca	691.818347	1.883	183675.088	ug/L	35932.629
	51	V	2.676242	9.623	-2570.800	ug/L	-21740.024
	52	Cr	0.938056	2.873	37959.495	ug/L	31281.492
	55	Mn	10.950046	1.233	116625.459	ug/L	2524.698
	54	Fe	329.858186	3.173	235584.661	ug/L	78881.017
	57	Fe	288.164181	1.367	74434.095	ug/L	13102.049
	59	Co	0.815388	2.182	6777.958	ug/L	161.668
	60	Ni	1.701033	4.930	3107.749	ug/L	141.649
	65	Cu	15.870134	1.997	27911.066	ug/L	182.452
	68	Zn	7.138694	3.821	7769.783	ug/L	2937.493
	75	As	1.306558	9.362	20493.523	ug/L	17891.829
	82	Se	-0.328622	55.663	580.628	ug/L	622.124
	97	Mo	-0.036171	53.083	896.046	ug/L	933.719
>	72	Ge-1			1719431.753	ug/L	1688123.597
	107	Ag	-0.005123	4.295	218.669	ug/L	252.337
	111	Cd	0.061889	8.503	157.830	ug/L	45.541
	121	Sb	0.049385	11.489	893.046	ug/L	575.352
	135	Ba	4.735277	1.894	7813.488	ug/L	296.338
>	115	In-1			1942652.925	ug/L	1898604.670
	205	Tl	-0.105970	6.501	1238.755	ug/L	2406.005
	208	Pb	2.563641	0.574	45437.342	ug/L	1357.375
>	169	Tm-1			1180384.782	ug/L	1096203.961
	50	Cr	6.558713	5.846	-1.260	ug/L	-859.802
	53	Cr	-91.555628	6.077	60716.885	ug/L	123123.596
	61	Ni	-7.578378	55.955	1970.289	ug/L	2131.060
	63	Cu	16.171794	1.947	21407.764	ug/L	100.002
	67	Zn	-5.606450	36.766	1368.301	ug/L	1641.431
	66	Zn	7.272211	4.632	3772.944	ug/L	1342.622
	76	Se	-63.227954	85.166	-226007.436	ug/L	-223014.947
	77	Se	-91.458520	3.243	7527.603	ug/L	17707.535
	78	Se	-1.115382	56.433	20591.529	ug/L	20646.253

	79 Br	5865.109588	5.185	26798.727	ug/L	45723.195
>	72 Ge			1719431.753	ug/L	1688123.597
	108 Cd	0.310320	10.964	45.609	ug/L	6.952
	114 Cd	0.054345	8.073	331.426	ug/L	100.764
	109 Ag	-0.008271	9.571	68.334	ug/L	88.668
>	115 In			1942652.925	ug/L	1898604.670
	208 207.977	2.647716	0.781	24178.359	ug/L	722.363
	207 Pb	2.643404	0.747	9806.826	ug/L	293.338
	206 Pb	2.345774	0.156	11452.156	ug/L	341.673
>	169 Tm			1180384.782	ug/L	1096203.961
	106 Pd	0.650354	10.641	112.001	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	101.426
	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	101.855
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.320
	Tl	205	
	Pb	208	
>	Tm-1	169	107.679
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.855
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.320
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	107.679
	Pd	106	

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

Sample ID: H49HC
Sample Description: G6E120166-7
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 21:00:54
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49HC.062
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 54
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			1902254.765	ug/L	1922024.174
>	6	Li-1			822880.375	ug/L	803965.135
	9	Be	-0.012160	48.984	8.333	ug/L	10.667
	27	Al	273.926625	0.940	911434.124	ug/L	26982.224
	44	Ca	714.895120	1.213	188772.600	ug/L	35932.629
	51	V	2.685880	12.258	-2500.068	ug/L	-21740.024
	52	Cr	0.796741	18.122	37076.406	ug/L	31281.492
	55	Mn	10.445238	0.230	111486.419	ug/L	2524.698
	54	Fe	332.499636	3.903	237045.477	ug/L	78881.017
	57	Fe	297.682109	5.547	76521.691	ug/L	13102.049
	59	Co	0.478972	1.870	4053.939	ug/L	161.668
	60	Ni	1.748852	2.313	3193.946	ug/L	141.649
	65	Cu	27.385178	2.145	48073.751	ug/L	182.452
	68	Zn	7.382172	2.466	7940.602	ug/L	2937.493
	75	As	1.329499	9.716	20554.863	ug/L	17891.829
	82	Se	-0.573289	45.433	541.469	ug/L	622.124
	97	Mo	-0.145040	6.001	731.364	ug/L	933.719
>	72	Ge-1			1721240.303	ug/L	1688123.597
	107	Ag	0.000331	1424.149	260.337	ug/L	252.337
	111	Cd	0.077724	10.763	186.121	ug/L	45.541
	121	Sb	0.044522	8.326	863.043	ug/L	575.352
	135	Ba	4.842196	1.577	7982.640	ug/L	296.338
>	115	In-1			1942824.220	ug/L	1898604.670
	205	Tl	-0.133514	0.625	879.711	ug/L	2406.005
	208	Pb	2.915700	1.251	51056.182	ug/L	1357.375
>	169	Tm-1			1170744.351	ug/L	1096203.961
	50	Cr	6.570786	9.183	0.647	ug/L	-859.802
	53	Cr	-87.890698	8.347	63349.714	ug/L	123123.596
	61	Ni	-3.671179	94.119	2075.356	ug/L	2131.060
	63	Cu	27.502964	1.788	36372.140	ug/L	100.002
	67	Zn	-5.233612	49.158	1389.311	ug/L	1641.431
	66	Zn	7.412610	7.901	3823.341	ug/L	1342.622
	76	Se	23.631942	260.896	-227821.484	ug/L	-223014.947
	77	Se	-88.836542	4.605	7834.793	ug/L	17707.535
	78	Se	-1.424881	70.886	20490.050	ug/L	20646.253

	79 Br	5933.243206	8.127	26589.641	ug/L	45723.195
>	72 Ge			1721240.303	ug/L	1688123.597
	108 Cd	0.307236	15.901	45.153	ug/L	6.952
	114 Cd	0.063604	10.086	370.001	ug/L	100.764
	109 Ag	-0.000256	634.323	90.001	ug/L	88.668
>	115 In			1942824.220	ug/L	1898604.670
	208 207.977	2.989729	1.290	26979.534	ug/L	722.363
	207 Pb	3.038119	0.973	11132.411	ug/L	293.338
	206 Pb	2.684209	2.540	12944.237	ug/L	341.673
>	169 Tm			1170744.351	ug/L	1096203.961
	106 Pd	0.843464	10.444	141.001	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	102.353
	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	101.962
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.329
	Tl	205	
	Pb	208	
>	Tm-1	169	106.800
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.962
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.329
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	106.800
	Pd	106	

Sample ID: H49HE
Sample Description: G6E120166-8
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 21:05:14
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49HE.063
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 55
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			1927907.366	ug/L	1922024.174
[>	6	Li-1			850188.865	ug/L	803965.135
[	9	Be	-0.003904	559.231	10.333	ug/L	10.667
[	27	Al	596.325582	0.836	1944298.018	ug/L	26982.224
	44	Ca	1000.283544	0.423	248580.172	ug/L	35932.629
	51	V	3.615204	3.553	4283.030	ug/L	-21740.024
	52	Cr	0.534378	24.246	35235.827	ug/L	31281.492
	55	Mn	23.722312	3.632	248894.473	ug/L	2524.698
	54	Fe	755.185416	1.300	434560.508	ug/L	78881.017
	57	Fe	680.444717	2.083	157154.522	ug/L	13102.049
	59	Co	1.382167	3.929	11342.352	ug/L	161.668
	60	Ni	1.858122	3.051	3371.396	ug/L	141.649
	65	Cu	180.554307	2.187	314683.106	ug/L	182.452
	68	Zn	10.577478	3.810	10047.774	ug/L	2937.493
	75	As	1.565988	18.261	20883.310	ug/L	17891.829
	82	Se	-0.221561	29.431	596.378	ug/L	622.124
	97	Mo	-0.181923	16.748	672.693	ug/L	933.719
[>	72	Ge-1			1714847.141	ug/L	1688123.597
[	107	Ag	0.061521	7.555	727.364	ug/L	252.337
	111	Cd	0.088575	5.713	204.268	ug/L	45.541
	121	Sb	0.088565	4.563	1126.072	ug/L	575.352
	135	Ba	9.210983	0.368	14802.176	ug/L	296.338
[>	115	In-1			1928285.064	ug/L	1898604.670
[	205	Tl	-0.131798	3.468	898.046	ug/L	2406.005
	208	Pb	4.059457	0.290	70262.182	ug/L	1357.375
[>	169	Tm-1			1166522.680	ug/L	1096203.961
[	50	Cr	8.599249	4.263	269.527	ug/L	-859.802
	53	Cr	-88.972044	7.185	62399.052	ug/L	123123.596
	61	Ni	-4.652625	74.023	2041.000	ug/L	2131.060
	63	Cu	180.729329	2.918	237484.626	ug/L	100.002
	67	Zn	-1.162576	188.969	1605.081	ug/L	1641.431
	66	Zn	10.118275	2.120	4701.535	ug/L	1342.622
	76	Se	-100.428104	273.183	-224776.509	ug/L	-223014.947
	77	Se	-88.800726	2.660	7813.779	ug/L	17707.535
	78	Se	-1.538153	60.577	20366.471	ug/L	20646.253

	79 Br	5935.943681	4.150	26491.743	ug/L	45723.195
>	72 Ge			1714847.141	ug/L	1688123.597
	108 Cd	0.086909	79.957	17.762	ug/L	6.952
	114 Cd	0.086213	3.156	461.759	ug/L	100.764
	109 Ag	0.053207	12.213	233.009	ug/L	88.668
>	115 In			1928285.064	ug/L	1898604.670
	208 207.977	4.199299	0.832	37447.971	ug/L	722.363
	207 Pb	4.222328	1.037	15294.021	ug/L	293.338
	206 Pb	3.674129	1.082	17520.190	ug/L	341.673
>	169 Tm			1166522.680	ug/L	1096203.961
	106 Pd	0.787972	12.544	132.668	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	105.749
	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	101.583
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.563
	Tl	205	
	Pb	208	
>	Tm-1	169	106.415
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.583
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.563
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	106.415
	Pd	106	

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

Sample ID: H49HL
Sample Description: G6E120166-9
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 21:09:34
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49HL.064
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 56
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			1882035.218	ug/L	1922024.174
>	6	Li-1			802317.428	ug/L	803965.135
	9	Be	0.000285	4601.757	10.667	ug/L	10.667
	27	Al	527.688967	0.410	1724195.047	ug/L	26982.224
	44	Ca	940.969886	0.700	236061.758	ug/L	35932.629
	51	V	3.406635	6.895	2745.564	ug/L	-21740.024
	52	Cr	1.450857	5.285	41188.725	ug/L	31281.492
	55	Mn	21.989782	0.820	231038.362	ug/L	2524.698
	54	Fe	620.273675	0.912	371373.861	ug/L	78881.017
	57	Fe	578.244677	3.233	135556.338	ug/L	13102.049
	59	Co	0.914536	3.876	7561.601	ug/L	161.668
	60	Ni	1.965990	3.509	3559.254	ug/L	141.649
	65	Cu	102.040766	1.289	177988.931	ug/L	182.452
	68	Zn	10.141233	2.436	9754.101	ug/L	2937.493
	75	As	1.661231	9.279	21062.522	ug/L	17891.829
	82	Se	-0.236522	133.860	594.528	ug/L	622.124
	97	Mo	-0.119201	23.396	768.034	ug/L	933.719
>	72	Ge-1			1715296.117	ug/L	1688123.597
	107	Ag	0.026369	6.277	456.012	ug/L	252.337
	111	Cd	0.093782	17.707	212.599	ug/L	45.541
	121	Sb	0.066781	9.496	988.056	ug/L	575.352
	135	Ba	8.610484	1.084	13791.529	ug/L	296.338
>	115	In-1			1919132.550	ug/L	1898604.670
	205	Tl	-0.143596	0.483	734.364	ug/L	2406.005
	208	Pb	3.513106	1.104	59773.077	ug/L	1357.375
>	169	Tm-1			1143105.099	ug/L	1096203.961
	50	Cr	9.851016	1.981	436.389	ug/L	-859.802
	53	Cr	-87.933130	7.025	63173.398	ug/L	123123.596
	61	Ni	-8.531307	30.111	1939.602	ug/L	2131.060
	63	Cu	104.414010	0.874	137326.821	ug/L	100.002
	67	Zn	-1.781417	124.348	1573.065	ug/L	1641.431
	66	Zn	9.796749	4.710	4597.383	ug/L	1342.622
	76	Se	180.972403	78.543	-229880.505	ug/L	-223014.947
	77	Se	-89.020685	1.900	7790.764	ug/L	17707.535
	78	Se	-0.282266	214.011	20865.375	ug/L	20646.253

	79 Br	6037.710683	2.124	26156.692	ug/L	45723.195
>	72 Ge			1715296.117	ug/L	1688123.597
	108 Cd	0.194622	60.513	30.835	ug/L	6.952
	114 Cd	0.075477	4.221	415.047	ug/L	100.764
	109 Ag	0.025439	17.082	157.671	ug/L	88.668
>	115 In			1919132.550	ug/L	1898604.670
	208 207.977	3.623544	1.313	31765.557	ug/L	722.363
	207 Pb	3.639229	0.564	12959.590	ug/L	293.338
	206 Pb	3.210703	1.492	15047.930	ug/L	341.673
>	169 Tm			1143105.099	ug/L	1096203.961
	106 Pd	0.827926	6.090	138.668	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	99.795
	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	101.610
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.081
	Tl	205	
	Pb	208	
>	Tm-1	169	104.279
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.610
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.081
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.279
	Pd	106	

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

Sample ID: H49HP
Sample Description: G6E120166-10
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 21:13:55
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49HP.065
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 57
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			1965127.454	ug/L	1922024.174
[>	6	Li-1			851640.796	ug/L	803965.135
[	9	Be	-0.021218	57.447	6.667	ug/L	10.667
[	27	Al	567.856111	1.609	1890580.613	ug/L	26982.224
[	44	Ca	1011.442755	1.671	256056.417	ug/L	35932.629
[	51	V	3.597732	14.454	4264.785	ug/L	-21740.024
[	52	Cr	0.906383	11.497	38419.846	ug/L	31281.492
[	55	Mn	21.105043	0.414	226335.076	ug/L	2524.698
[	54	Fe	717.955166	2.700	425546.544	ug/L	78881.017
[	57	Fe	653.724679	2.023	154600.552	ug/L	13102.049
[	59	Co	0.656771	1.093	5588.451	ug/L	161.668
[	60	Ni	1.853459	1.105	3432.903	ug/L	141.649
[	65	Cu	135.572456	0.250	241217.079	ug/L	182.452
[	68	Zn	11.365088	2.770	10784.309	ug/L	2937.493
[	75	As	1.279193	24.094	20803.967	ug/L	17891.829
[	82	Se	-0.178937	85.157	615.481	ug/L	622.124
[	97	Mo	-0.177580	10.605	693.027	ug/L	933.719
[>	72	Ge-1			1749867.251	ug/L	1688123.597
[	107	Ag	0.043019	19.343	594.687	ug/L	252.337
[	111	Cd	0.085435	22.500	201.422	ug/L	45.541
[	121	Sb	0.088644	3.270	1143.075	ug/L	575.352
[	135	Ba	8.710253	3.206	14216.877	ug/L	296.338
[>	115	In-1			1956590.483	ug/L	1898604.670
[	205	Tl	-0.149073	1.865	686.027	ug/L	2406.005
[	208	Pb	3.917268	1.424	68437.521	ug/L	1357.375
[>	169	Tm-1			1176713.571	ug/L	1096203.961
[	50	Cr	15.747896	68.175	1238.361	ug/L	-859.802
[	53	Cr	-88.622114	6.082	63915.320	ug/L	123123.596
[	61	Ni	-4.783151	134.144	2080.028	ug/L	2131.060
[	63	Cu	134.066642	1.741	179831.701	ug/L	100.002
[	67	Zn	-1.147379	52.989	1638.430	ug/L	1641.431
[	66	Zn	11.554346	1.335	5281.126	ug/L	1342.622
[	76	Se	-21.901429	1134.554	-230793.706	ug/L	-223014.947
[	77	Se	-88.377169	4.863	8023.917	ug/L	17707.535
[	78	Se	-1.754068	6.693	20700.568	ug/L	20646.253

	79 Br	5866.816819	5.126	27269.418	ug/L	45723.195
>	72 Ge			1749867.251	ug/L	1688123.597
	108 Cd	0.264515	66.593	40.353	ug/L	6.952
	114 Cd	0.086424	1.883	469.473	ug/L	100.764
	109 Ag	0.043278	8.169	209.340	ug/L	88.668
>	115 In			1956590.483	ug/L	1898604.670
	208 207.977	4.037657	1.809	36345.330	ug/L	722.363
	207 Pb	4.106503	2.129	15011.200	ug/L	293.338
	206 Pb	3.548294	0.268	17080.991	ug/L	341.673
>	169 Tm			1176713.571	ug/L	1096203.961
	106 Pd	0.956667	22.587	158.001	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	105.930
	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	103.658
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	103.054
	Tl	205	
	Pb	208	
>	Tm-1	169	107.344
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	103.658
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	103.054
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	107.344
	Pd	106	

Sample ID: H49HQ
Sample Description: G6E120166-11
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 21:18:16
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49HQ.066
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 58
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			1979756.922	ug/L	1922024.174
>	6	Li-1			833790.132	ug/L	803965.135
	9	Be	0.004925	444.516	12.000	ug/L	10.667
	27	Al	692.090314	1.505	2268076.102	ug/L	26982.224
	44	Ca	1223.130296	1.378	297941.263	ug/L	35932.629
	51	V	3.779873	8.637	5517.106	ug/L	-21740.024
	52	Cr	1.041212	18.494	38809.313	ug/L	31281.492
	55	Mn	25.694772	1.419	271385.987	ug/L	2524.698
	54	Fe	884.211712	1.665	498670.582	ug/L	78881.017
	57	Fe	818.048223	1.338	187570.567	ug/L	13102.049
	59	Co	0.792847	3.260	6624.842	ug/L	161.668
	60	Ni	2.375789	2.164	4301.339	ug/L	141.649
	65	Cu	145.107556	2.663	254768.379	ug/L	182.452
	68	Zn	19.582348	1.960	16168.594	ug/L	2937.493
	75	As	1.948134	6.546	21703.777	ug/L	17891.829
	82	Se	-0.173820	53.543	608.284	ug/L	622.124
	97	Mo	-0.077470	24.949	837.040	ug/L	933.719
>	72	Ge-1			1727020.075	ug/L	1688123.597
	107	Ag	0.059060	8.800	708.029	ug/L	252.337
	111	Cd	0.122642	5.830	264.783	ug/L	45.541
	121	Sb	0.138887	7.487	1432.451	ug/L	575.352
	135	Ba	12.172202	0.655	19447.588	ug/L	296.338
>	115	In-1			1926662.732	ug/L	1898604.670
	205	Tl	-0.146274	1.224	716.696	ug/L	2406.005
	208	Pb	4.749353	0.900	82078.083	ug/L	1357.375
>	169	Tm-1			1168244.644	ug/L	1096203.961
	50	Cr	10.137129	6.264	477.449	ug/L	-859.802
	53	Cr	-85.647768	8.405	65197.851	ug/L	123123.596
	61	Ni	-4.151511	109.850	2070.020	ug/L	2131.060
	63	Cu	146.855954	0.493	194424.818	ug/L	100.002
	67	Zn	6.702333	32.559	2044.337	ug/L	1641.431
	66	Zn	19.182456	4.741	7745.930	ug/L	1342.622
	76	Se	3.716009	4567.930	-228240.204	ug/L	-223014.947
	77	Se	-87.756930	4.033	7989.558	ug/L	17707.535
	78	Se	-0.328687	126.112	20993.319	ug/L	20646.253

	79 Br	5778.592953	4.956	27213.294	ug/L	45723.195
>	72 Ge			1727020.075	ug/L	1688123.597
	108 Cd	0.295958	36.212	43.490	ug/L	6.952
	114 Cd	0.104068	6.758	535.862	ug/L	100.764
	109 Ag	0.056847	20.489	242.676	ug/L	88.668
>	115 In			1926662.732	ug/L	1898604.670
	208 207.977	4.879634	1.417	43452.972	ug/L	722.363
	207 Pb	4.975329	1.031	17992.815	ug/L	293.338
	206 Pb	4.333959	0.179	20632.297	ug/L	341.673
>	169 Tm			1168244.644	ug/L	1096203.961
	106 Pd	1.118702	3.278	182.335	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.710
	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	102.304
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.478
	Tl	205	
	Pb	208	
>	Tm-1	169	106.572
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.304
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.478
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	106.572
	Pd	106	

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

Sample ID: H49HT
Sample Description: G6E120166-12
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 21:22:37
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49HT.067
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 59
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			1882490.590	ug/L	1922024.174
>	6	Li-1			816761.363	ug/L	803965.135
	9	Be	0.002166	611.054	11.333	ug/L	10.667
	27	Al	597.370727	1.486	1911400.654	ug/L	26982.224
	44	Ca	1136.843641	0.481	272351.020	ug/L	35932.629
	51	V	3.782815	4.801	5406.998	ug/L	-21740.024
	52	Cr	0.918682	5.180	37026.846	ug/L	31281.492
	55	Mn	23.100472	0.291	238003.834	ug/L	2524.698
	54	Fe	782.892376	1.491	439209.168	ug/L	78881.017
	57	Fe	705.512814	0.448	159433.154	ug/L	13102.049
	59	Co	0.695129	3.389	5679.177	ug/L	161.668
	60	Ni	2.028851	0.744	3600.147	ug/L	141.649
	65	Cu	85.861430	0.810	146979.547	ug/L	182.452
	68	Zn	11.754417	1.458	10627.450	ug/L	2937.493
	75	As	1.952831	12.092	21156.072	ug/L	17891.829
	82	Se	-0.059855	349.280	610.702	ug/L	622.124
	97	Mo	-0.164520	12.139	686.027	ug/L	933.719
>	72	Ge-1			1682773.830	ug/L	1688123.597
	107	Ag	0.020442	9.719	402.343	ug/L	252.337
	111	Cd	0.120838	12.446	255.159	ug/L	45.541
	121	Sb	0.088256	5.975	1095.735	ug/L	575.352
	135	Ba	9.395711	2.529	14709.691	ug/L	296.338
>	115	In-1			1879401.324	ug/L	1898604.670
	205	Tl	-0.149379	1.136	663.692	ug/L	2406.005
	208	Pb	3.755999	1.027	63891.899	ug/L	1357.375
>	169	Tm-1			1144577.318	ug/L	1096203.961
	50	Cr	9.771036	22.279	418.069	ug/L	-859.802
	53	Cr	-84.418543	7.466	64350.794	ug/L	123123.596
	61	Ni	-6.747710	51.672	1949.609	ug/L	2131.060
	63	Cu	86.211791	1.577	111257.866	ug/L	100.002
	67	Zn	-0.705971	283.027	1598.743	ug/L	1641.431
	66	Zn	11.141064	3.586	4944.911	ug/L	1342.622
	76	Se	-245.380486	44.934	-217965.678	ug/L	-223014.947
	77	Se	-85.114838	6.156	8079.619	ug/L	17707.535
	78	Se	1.255457	68.938	21062.912	ug/L	20646.253

	79 Br	5824.622226	5.546	26359.125	ug/L	45723.195
>	72 Ge			1682773.830	ug/L	1688123.597
	108 Cd	0.265820	40.010	38.748	ug/L	6.952
	114 Cd	0.107303	4.581	535.816	ug/L	100.764
	109 Ag	0.014726	12.741	126.336	ug/L	88.668
>	115 In			1879401.324	ug/L	1898604.670
	208 207.977	3.861840	1.760	33849.020	ug/L	722.363
	207 Pb	3.943216	0.737	14035.249	ug/L	293.338
	206 Pb	3.415769	0.775	16007.631	ug/L	341.673
>	169 Tm			1144577.318	ug/L	1096203.961
	106 Pd	1.043233	3.986	171.002	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	101.592
	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	99.683
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.989
	Tl	205	
	Pb	208	
>	Tm-1	169	104.413
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.683
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.989
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.413
	Pd	106	

Sample ID: H49HX
Sample Description: G6E120166-13
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 21:26:58
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49HX.068
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 60
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			1892372.677	ug/L	1922024.174
>	6	Li-1			821458.756	ug/L	803965.135
	9	Be	0.011265	43.714	13.333	ug/L	10.667
	27	Al	627.185914	2.648	2022316.492	ug/L	26982.224
	44	Ca	1146.044044	1.442	276628.026	ug/L	35932.629
	51	V	3.521648	2.968	3559.245	ug/L	-21740.024
	52	Cr	1.034784	10.359	38090.407	ug/L	31281.492
	55	Mn	25.230266	3.415	261871.326	ug/L	2524.698
	54	Fe	783.382929	2.878	443177.627	ug/L	78881.017
	57	Fe	723.709791	2.996	164581.191	ug/L	13102.049
	59	Co	0.517732	1.878	4307.393	ug/L	161.668
	60	Ni	2.144426	2.188	3829.499	ug/L	141.649
	65	Cu	80.330271	0.592	138718.963	ug/L	182.452
	68	Zn	12.044000	4.173	10907.461	ug/L	2937.493
	75	As	1.998356	18.242	21411.716	ug/L	17891.829
	82	Se	-0.164294	143.631	599.313	ug/L	622.124
	97	Mo	-0.127722	16.967	747.032	ug/L	933.719
>	72	Ge-1			1697539.441	ug/L	1688123.597
	107	Ag	0.021984	4.309	420.677	ug/L	252.337
	111	Cd	0.091864	17.126	208.239	ug/L	45.541
	121	Sb	0.095543	6.600	1158.077	ug/L	575.352
	135	Ba	9.619383	0.541	15302.704	ug/L	296.338
>	115	In-1			1910439.766	ug/L	1898604.670
	205	Tl	-0.153318	2.941	618.689	ug/L	2406.005
	208	Pb	3.604192	0.659	61771.296	ug/L	1357.375
>	169	Tm-1			1152139.002	ug/L	1096203.961
	50	Cr	9.216071	20.578	345.313	ug/L	-859.802
	53	Cr	-84.410817	7.324	64929.825	ug/L	123123.596
	61	Ni	-6.674334	57.251	1969.956	ug/L	2131.060
	63	Cu	81.481751	1.778	106081.643	ug/L	100.002
	67	Zn	0.017529	9929.993	1651.437	ug/L	1641.431
	66	Zn	11.572043	4.981	5127.204	ug/L	1342.622
	76	Se	-99.885743	367.629	-222565.250	ug/L	-223014.947
	77	Se	-86.236351	4.865	8023.247	ug/L	17707.535
	78	Se	0.568692	296.226	20974.255	ug/L	20646.253

	79 Br	5845.353313	7.410	26518.154	ug/L	45723.195
>	72 Ge			1697539.441	ug/L	1688123.597
	108 Cd	0.180729	57.034	29.020	ug/L	6.952
	114 Cd	0.083199	6.495	445.114	ug/L	100.764
	109 Ag	0.016441	9.868	133.003	ug/L	88.668
>	115 In			1910439.766	ug/L	1898604.670
	208 207.977	3.721815	0.118	32866.617	ug/L	722.363
	207 Pb	3.702332	0.794	13284.078	ug/L	293.338
	206 Pb	3.309611	2.936	15620.601	ug/L	341.673
>	169 Tm			1152139.002	ug/L	1096203.961
	106 Pd	0.987742	8.799	162.668	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	102.176
	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	100.558
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.623
	Tl	205	
	Pb	208	
>	Tm-1	169	105.103
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	100.558
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.623
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	105.103
	Pd	106	

Sample ID: H49H1
Sample Description: G6E120166-14
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 21:31:20
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49H1.069
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 61
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			1939563.833	ug/L	1922024.174
>	6	Li-1			832447.441	ug/L	803965.135
	9	Be	-0.032566	12.402	4.000	ug/L	10.667
	27	Al	7.060943	9.360	50719.589	ug/L	26982.224
	44	Ca	278.288250	4.511	96705.211	ug/L	35932.629
	51	V	2.106186	6.773	-6824.006	ug/L	-21740.024
	52	Cr	0.117204	159.304	32936.542	ug/L	31281.492
	55	Mn	0.865252	5.249	11700.827	ug/L	2524.698
	54	Fe	28.189387	32.865	94497.045	ug/L	78881.017
	57	Fe	10.262545	25.502	15670.669	ug/L	13102.049
	59	Co	0.129566	8.272	1226.419	ug/L	161.668
	60	Ni	1.559675	1.890	2890.040	ug/L	141.649
	65	Cu	1.187900	3.324	2283.093	ug/L	182.452
	68	Zn	2.659072	4.612	4819.327	ug/L	2937.493
	75	As	0.825044	28.563	19852.782	ug/L	17891.829
	82	Se	-0.475135	19.934	562.355	ug/L	622.124
	97	Mo	-0.362838	6.238	403.009	ug/L	933.719
>	72	Ge-1			1737207.399	ug/L	1688123.597
	107	Ag	-0.023305	2.040	78.667	ug/L	252.337
	111	Cd	-0.008151	75.958	32.183	ug/L	45.541
	121	Sb	-0.066275	4.865	180.669	ug/L	575.352
	135	Ba	0.579053	2.329	1225.753	ug/L	296.338
>	115	In-1			1949001.637	ug/L	1898604.670
	205	Tl	-0.184981	0.520	229.336	ug/L	2406.005
	208	Pb	0.172666	1.644	4408.104	ug/L	1357.375
>	169	Tm-1			1176338.743	ug/L	1096203.961
	50	Cr	4.372994	9.058	-296.343	ug/L	-859.802
	53	Cr	-84.625926	6.790	66293.335	ug/L	123123.596
	61	Ni	-7.622763	41.801	1990.970	ug/L	2131.060
	63	Cu	1.207399	5.179	1708.801	ug/L	100.002
	67	Zn	-9.671987	19.818	1160.884	ug/L	1641.431
	66	Zn	2.612333	3.031	2254.480	ug/L	1342.622
	76	Se	-83.383894	610.124	-228157.543	ug/L	-223014.947
	77	Se	-85.464619	4.019	8297.423	ug/L	17707.535
	78	Se	-0.880152	237.354	20881.241	ug/L	20646.253

	79 Br	7116.022381	4.516	22811.502	ug/L	45723.195
>	72 Ge			1737207.399	ug/L	1688123.597
	108 Cd	0.162637	23.567	27.310	ug/L	6.952
	114 Cd	-0.006122	46.546	77.739	ug/L	100.764
	109 Ag	-0.021864	11.057	31.667	ug/L	88.668
>	115 In			1949001.637	ug/L	1898604.670
	208 207.977	0.178933	3.564	2350.983	ug/L	722.363
	207 Pb	0.183230	2.615	970.387	ug/L	293.338
	206 Pb	0.152917	0.157	1086.734	ug/L	341.673
>	169 Tm			1176338.743	ug/L	1096203.961
	106 Pd	0.317407	11.101	62.000	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.543
	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	102.908
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.654
	Tl	205	
	Pb	208	
>	Tm-1	169	107.310
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.908
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.654
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	107.310
	Pd	106	

Sample ID: H49H5
Sample Description: G6E120166-15
Batch ID: 6139501
Sample Date/Time: Tuesday, May 23, 2006 21:35:43
Method File: C:\elandata\Method\6139499.mth
Dataset File: C:\elandata\Dataset\060523A1\H49H5.070
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 62
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			1914869.082	ug/L	1922024.174
>	6	Li-1			819533.150	ug/L	803965.135
	9	Be	-0.032121	16.050	4.000	ug/L	10.667
	27	Al	6.674020	1.750	49302.176	ug/L	26982.224
	44	Ca	249.342636	0.344	90169.559	ug/L	35932.629
	51	V	2.400509	6.732	-4614.989	ug/L	-21740.024
	52	Cr	0.133169	28.646	32932.191	ug/L	31281.492
	55	Mn	0.890002	2.909	11915.777	ug/L	2524.698
	54	Fe	15.695992	12.359	88278.575	ug/L	78881.017
	57	Fe	7.417381	40.767	15009.134	ug/L	13102.049
	59	Co	0.140473	4.558	1312.098	ug/L	161.668
	60	Ni	1.257333	0.588	2349.221	ug/L	141.649
	65	Cu	1.180960	1.898	2263.137	ug/L	182.452
	68	Zn	1.680377	10.436	4142.648	ug/L	2937.493
	75	As	1.021067	18.211	20122.384	ug/L	17891.829
	82	Se	-0.572741	26.965	544.517	ug/L	622.124
	97	Mo	-0.393596	0.905	355.007	ug/L	933.719
>	72	Ge-1			1730226.142	ug/L	1688123.597
	107	Ag	-0.022843	9.991	82.000	ug/L	252.337
	111	Cd	-0.011101	41.754	26.719	ug/L	45.541
	121	Sb	-0.066801	4.240	177.335	ug/L	575.352
	135	Ba	0.475713	2.034	1059.064	ug/L	296.338
>	115	In-1			1945145.393	ug/L	1898604.670
	205	Tl	-0.187413	0.249	197.002	ug/L	2406.005
	208	Pb	0.138960	1.806	3803.656	ug/L	1357.375
>	169	Tm-1			1167654.175	ug/L	1096203.961
	50	Cr	4.307943	2.661	-303.178	ug/L	-859.802
	53	Cr	-84.739079	8.058	65924.857	ug/L	123123.596
	61	Ni	-11.169851	9.820	1886.903	ug/L	2131.060
	63	Cu	1.225749	1.961	1727.477	ug/L	100.002
	67	Zn	-10.058130	12.417	1133.873	ug/L	1641.431
	66	Zn	1.661509	6.800	1929.262	ug/L	1342.622
	76	Se	35.370185	318.478	-229776.057	ug/L	-223014.947
	77	Se	-85.802163	4.245	8227.044	ug/L	17707.535
	78	Se	-0.799537	54.464	20844.885	ug/L	20646.253

	79 Br	7 08.264815	4.458	22745.033	ug/L	45723.195
>	72 Ge			1730226.142	ug/L	1688123.597
	108 Cd	0.191190	9.674	30.865	ug/L	6.952
	114 Cd	-0.011476	20.160	55.017	ug/L	100.764
	109 Ag	-0.026499	3.658	19.000	ug/L	88.668
>	115 In			1945145.393	ug/L	1898604.670
	208 207.977	0.141024	5.316	2002.563	ug/L	722.363
	207 Pb	0.141676	8.431	815.371	ug/L	293.338
	206 Pb	0.133036	4.199	985.722	ug/L	341.673
>	169 Tm			1167654.175	ug/L	1096203.961
	106 Pd	0.281893	10.652	56.667	ug/L	14.333

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	101.936
	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	102.494
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.451
	Tl	205	
	Pb	208	
>	Tm-1	169	106.518
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.494
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.451
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	106.518
	Pd	106	

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

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	

Mercury

G6E120166

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%	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

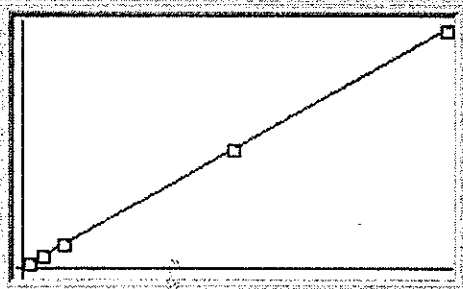
☑ Accepted

Accept

µ Abs.
49533

Accepted

New



nclude 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: 05/24/06
INSTRUMENT ID.: H-03
TYPE OF ANALYSIS: Hg
CALIBRATION STD.: 1767-19-11
ICV STD.: 1767-19-10
CCV STD.: 1767-19-11

POST-RUN REPORT

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

POST-RUN REPORT

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				

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				

POST-RUN REPORT

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	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?	✓			✓
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: MAT Date: 5/26/06

Comments:

c:\temp\qa-506_hg_review1.doc

QA-506 Hg Review
3/14/03 EM

Sample Preparation Log

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
G6E190000	502	H5T12B	2A	NA	NA	NA	100	6139502	1.2
G6E190000	502	H5T12C	2A	NA	NA	NA	100	6139502	1.2
G6E190000	502	H5T12L	2A	NA	NA	NA	100	6139502	1.2
G6E120166	1	H49GR	2A	9	0.75	0.75	100	6139502	1.2
G6E120166	2	H49G2	2A	9	0.75	0.75	100	6139502	1.2
G6E120166	3	H49G3	2A	9	0.75	0.75	100	6139502	1.2
G6E120166	4	H49G4	2A	9	0.75	0.75	100	6139502	1.2
G6E120166	5	H49G7	2A	9	0.75	0.75	100	6139502	1.2
G6E120166	6	H49HA	2A	9	0.75	0.75	100	6139502	1.2
G6E120166	7	H49HC	2A	9	0.75	0.75	100	6139502	1.2
G6E120166	8	H49HE	2A	9	0.75	0.75	100	6139502	1.2
G6E120166	9	H49HL	2A	9	0.75	0.75	100	6139502	1.2
G6E120166	10	H49HP	2A	9	0.75	0.75	100	6139502	1.2
G6E120166	11	H49HQ	2A	9	0.75	0.75	100	6139502	1.2
G6E120166	12	H49HT	2A	9	0.75	0.75	100	6139502	1.2
G6E120166	13	H49HX	2A	9	0.75	0.75	100	6139502	1.2
G6E120166	14	H49H1	2A	9	0.75	0.75	100	6139502	1.2
G6E120166	15	H49H5	2A	9	0.75	0.75	100	6139502	1.2
MB-control	1	F1815158	2A	9	0.75	0.75	100	6139502	1.2

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

Page 1 of 1
QA-372B mlt 02/20/03

STL Sacramento
Metals Preparation Spiking
Documentation Form

SEVERN TRENT STL

Lot # G6E120166

Batch Number: 6139502

EPA Analytical Method ID: 6010

Spiked Date: 05/22/06

MS Run #: N/A

EPA Prep Method ID: 2A

Hot Plate Microwave ID: 4

Hot Plate Temp Observed: 90 Corected: 90

Analyst Initial/Date: 05/22/06 NM

Witness Initial/Date:

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	1.0 mL	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	1.0 mL	N/A	11.06
	Si H_2O/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,Ti 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	
	37% HCl	~~Mallinckrodt~~			49% HF	~~Fisher~~	05/22/06

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:** ICPMS

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G6E190000	501	H5T00B	2A	NA	NA	NA	100	6139501	1.2
G6E190000	501	H5T00C	2A	NA	NA	NA	100	6139501	1.2
G6E190000	501	H5T00L	2A	NA	NA	NA	100	6139501	1.2
G6E120166	1	H49GR	2A	9	0.75	0.75	100	6139501	1.2
G6E120166	2	H49G2	2A	9	0.75	0.75	100	6139501	1.2
G6E120166	3	H49G3	2A	9	0.75	0.75	100	6139501	1.2
G6E120166	4	H49G4	2A	9	0.75	0.75	100	6139501	1.2
G6E120166	5	H49G7	2A	9	0.75	0.75	100	6139501	1.2
G6E120166	6	H49HA	2A	9	0.75	0.75	100	6139501	1.2
G6E120166	7	H49HC	2A	9	0.75	0.75	100	6139501	1.2
G6E120166	8	H49HE	2A	9	0.75	0.75	100	6139501	1.2
G6E120166	9	H49HL	2A	9	0.75	0.75	100	6139501	1.2
G6E120166	10	H49HP	2A	9	0.75	0.75	100	6139501	1.2
G6E120166	11	H49HQ	2A	9	0.75	0.75	100	6139501	1.2
G6E120166	12	H49HT	2A	9	0.75	0.75	100	6139501	1.2
G6E120166	13	H49HX	2A	9	0.75	0.75	100	6139501	1.2
G6E120166	14	H49H1	2A	9	0.75	0.75	100	6139501	1.2
G6E120166	15	H49H5	2A	9	0.75	0.75	100	6139501	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 # G6E120166

Batch Number: 6139501

MS Run #: N/A

Analyst Initial/Date: 05/22/06 NM

Correct Folder ID Witness:

EPA Analytical Method ID: 6020

EPA Prep Method ID: 2-A

Witness Initial/Date: ML/05/22/06

Spiked Date: 05/22/06 NM

Hot Plate Microwave ID: 4

Hot Plate Temp Observed: 90 Corected: 90

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	5,000				
		Al, As, Ba, Se, Sn, Tl	200				
		Fe,Mo,Ti	100				
		Sb,Co,Pb,Mn,Ni,V,Zn	50				
		Cu	25				
		Cr	20				
		,Be,Cd	5				
		Ag	5.6				
	ICP Part 2 2% HNO_3	K,Na	5,000				
		P,S	1,000				
		B,Li,Sr	100				
	Si H:0/Ti HF	Si	1,000		05/22/06 NM		
	XCAL-45 5% HNO_3	Al,K,Mg,Ca,Na,Fe,P,B,Si	50	1774-Mc17-8	2.0 mL	N/A	11.07
		As,Be,Cd,Cr,Co,Cu,Pb, Mn,Mo,Ni,Se,U,V,Zn,Ba, Li Sn,Sr,Ti	10				
		Sb,Ag,Tl	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	
	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
Mercury Sample Preparation Log

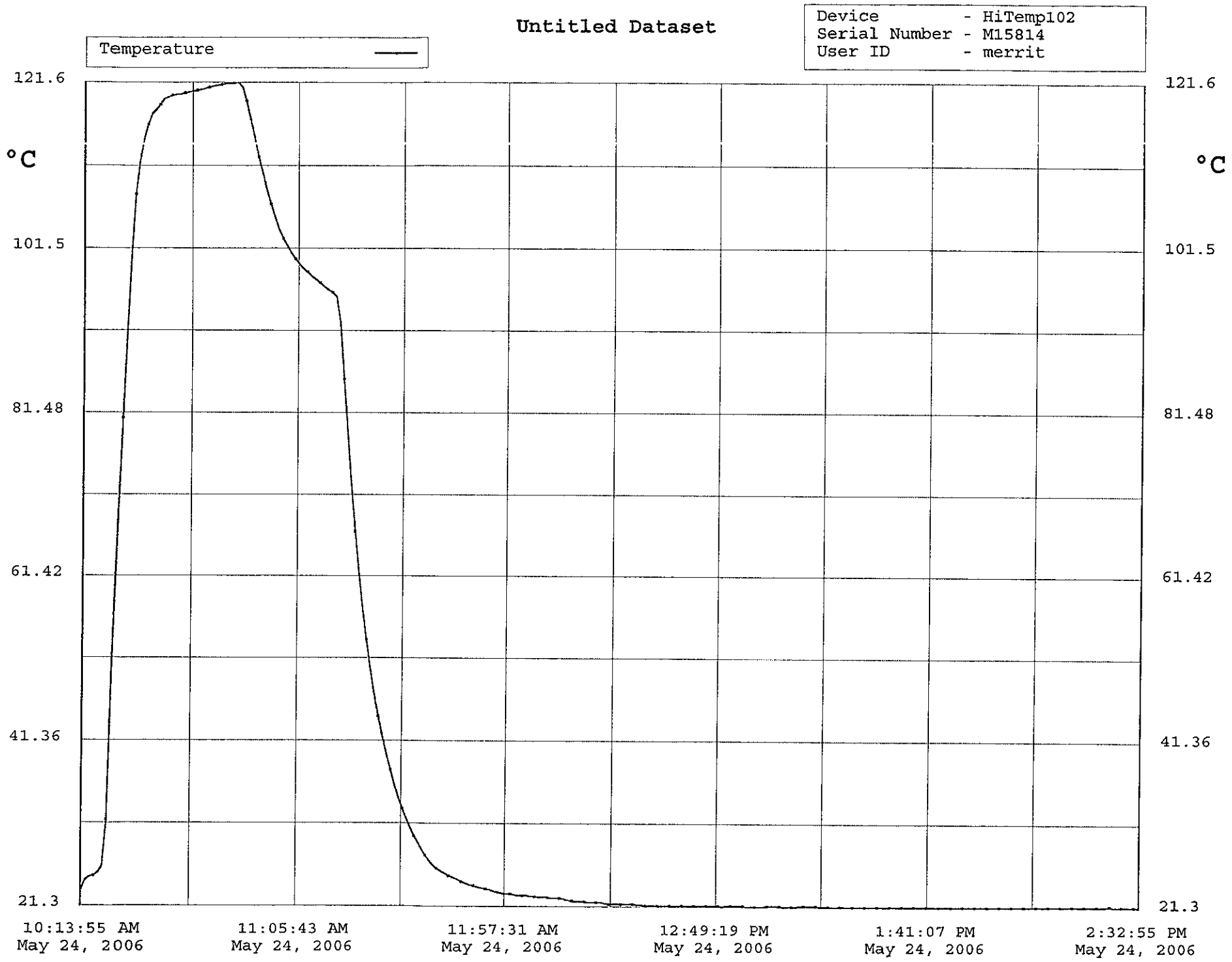
STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.	Chemist:	merrittn	Date:	05/24/06
0	Std1Rep1	NA	AQUEOUS	50	50	SOP#:	SAC-MT-0005		
0.2	Std2Rep1	NA	AQUEOUS	50	50	Autoclave: Start Time:	10:14	End:	12:00
0.5	Std3Rep1	NA	AQUEOUS	50	50	Balance ID:	QA-007	Calibrated:	NA
1	Std4Rep1	NA	AQUEOUS	50	50	STANDARDS:			
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, PM-10 & TSP

RQC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEET

Run Date: 5/19/06
Time: 17:49:51

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 #: 6139506
PREP DATE: 5/17/06 9:08
COMP DATE: 5/19/06 10:52
USER: VALMORES

INITIALS:
PREP
ANAL

DATA ENTRY:
INITIALS
DATE 5/19/06

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
H49GR-1-AA	G-6E120166-001	XX S 88 JR 01	Y-D	5/19/06	P-0621
H49G2-1-AD	G-6E120166-002	XX S 88 JR 01	Y-D		P-0622
H49G3-1-AD	G-6E120166-003	XX S 88 JR 01	Y-D		P-0623
H49G4-1-AD	G-6E120166-004	XX S 88 JR 01	Y-D		P-0624
H49G7-1-AD	G-6E120166-005	XX S 88 JR 01	Y-D		P-0625
H49HA-1-AD	G-6E120166-006	XX S 88 JR 01	Y-D		P-0626
H49HC-1-AD	G-6E120166-007	XX S 88 JR 01	Y-D		P-0627

Control Limits

STL Sacramento

Air Toxics Laboratory

SEVERN TRENT STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: G6E120166-1→7 Batch #: 6139506

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 5/19/06 ANALYST: SVdmoes

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 5/19/06

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: GR 5/22/06

Comments: Leo A

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 032806pgr0825	5.0003 032906skv1101	5.0002 051706skv0908	5.0002 051906skv1044					-0.0001
H49GR	pmbc032706-621	4.4756 032806pgr0825	4.4753 032906skv1101	4.4943 051706skv0909	4.4939 051906skv1044					0.0186
H49G2	pmbc032706-622	4.4873 032806pgr0827	4.4871 032906skv1102	4.5048 051706skv0910	4.5045 051906skv1045					0.0174
H49G3	pmbc032706-623	4.4932 032806pgr0827	4.4930 032906skv1102	4.5104 051706skv0910	4.5099 051906skv1046					0.0169
H49G4	pmbc032706-624	4.5121 032806pgr0828	4.5120 032906skv1103	4.5317 051706skv0911	4.5313 051906skv1047					0.0193
H49G7	pmbc032706-625	4.3984 032806pgr0828	4.3980 032906skv1103	4.4164 051706skv0911	4.4164 051906skv1047					0.0184
	5 g wt	4.9996 032806pgr0829	5.0004 032906skv1104	5.0003 051706skv0912	5.0001 051906skv1047					-0.0003

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Page 1/2 Batch#: 6139506

Reviewed by:_____

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	5.0000 051706skv0912	5.0003 051906skv1049					0.0002
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
	pmbc041006-630	4.5375 041006skv1527	4.5370 041106skv1350							NC
	pmbc041006-631	4.5313 041006skv1527	4.5313 041106skv1351							NC
	pmbc041006-632	4.5063 041006skv1528	4.5059 041106skv1351							NC
	pmbc041006-633	4.5091 041006skv1528	4.5095 041106skv1353							NC
	pmbc041006-634	4.5172 041006skv1528	4.5177 041106skv1353							NC
	pmbc041006-635	4.5076 041006skv1529	4.5079 041106skv1353							NC
	5 g wt	5.0001 041006skv1529	5.0000 041106skv1354	4.9997 051706skv0914	4.9998 051906skv1052					-0.0002

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Reviewed by:_____

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch **6139506**

Date 5/22/2006
Time 17:05:02

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.
H49GR-1-AA	0.0186	g	0.0001	05/17-05/19/06	.00	N	R	0.0186	0.0001	1.00
H49G2-1-AD	0.0174	g	0.0001	05/17-05/19/06	.00	N	R	0.0174	0.0001	1.00
H49G3-1-AD	0.0169	g	0.0001	05/17-05/19/06	.00	N	R	0.0169	0.0001	1.00
H49G4-1-AD	0.0193	g	0.0001	05/17-05/19/06	.00	N	R	0.0193	0.0001	1.00
H49G7-1-AD	0.0184	g	0.0001	05/17-05/19/06	.00	N	R	0.0184	0.0001	1.00
H49HA-1-AD	0.0166	g	0.0001	05/17-05/19/06	.00	N	R	0.0166	0.0001	1.00
H49HC-1-AD	0.0162	g	0.0001	05/17-05/19/06	.00	N	R	0.0162	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: 5/19/06
Time: 17:50:27

STL Sacramento

PRODUCTION FIGURES - WET CHEM

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

METHOD: AC Particulates in Air, Suspended "TSP HiVol" (APP B)
QC BATCH #: **6139505**
PREP DATE: 5/17/06 9:01
COMP DATE: 5/19/06 10:42
USER: VALMORES

INITIALS: PREP PV ANAL PV

DATA ENTRY: INITIALS PV DATE 5/19/06

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
H49HE-1-AA	G-6E120166-008	XX S 88 AO 3W	Y-D	5/19/06	000450
H49HL-1-AD	G-6E120166-009	XX S 88 AO 3W	Y-D		000451
H49HP-1-AF	G-6E120166-010	XX S 88 AO 3W	Y-D		000452
H49HQ-1-AF	G-6E120166-011	XX S 88 AO 3W	Y-D		000453
H49HT-1-AF	G-6E120166-012	XX S 88 AO 3W	Y-D		000454
H49HX-1-AF	G-6E120166-013	XX S 88 AO 3W	Y-D		000455
H49H1-1-AF	G-6E120166-014	XX S 88 AO 3W	Y-D		000456
H49H5-1-AF	G-6E120166-015	XX S 88 AO 3W	Y-D		000457

Control Limits

STL Sacramento

Air Toxics Laboratory

SEVERN TRENT STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: G6E120166-8-15 Batch #: 6139505

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 5/19/06 ANALYST: [illegible]

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	YES	NO	NA
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 5/19/06

LEVEL 2 REVIEW:	YES	NO	NA
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: GR 5/23/06

Comments: des PA

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	4.9998 032806pgr0910	4.9999 032906skv1040	5.0000 051706skv0901	5.0003 051906skv1037					0.0004
H4XG8	bctsp032706-446	4.3401 032806pgr0912	4.3404 032906skv1041	4.3920 051006skv1629	4.3917 051106skv1605					0.0513
H4XG9	bctsp032706-447	4.3527 032806pgr0913	4.3529 032906skv1041	4.4014 051006skv1629	4.4017 051106skv1605					0.0488
H4XHA	bctsp032706-448	4.3498 032806pgr0913	4.3496 032906skv1041	4.3932 051006skv1629	4.3936 051106skv1605					0.0440
H4XHD	bctsp032706-449	4.3437 032806pgr0914	4.3436 032906skv1041	4.3402 051006skv1629	4.3407 051106skv1606					-0.0029
H49HE	bctsp032706-450	4.3286 032806pgr0915	4.3281 032906skv1042	4.3777 051706skv0902	4.3773 051906skv1037					0.0492
	5 g wt	4.9998 032806pgr0917	4.9998 032906skv1042	5.0004 051006skv1630	5.0000 051106skv1606					0.0002
	5 g wt	4.9998 032806pgr0917	4.9998 032906skv1042	5.0002 051706skv0902	5.0002 051906skv1037					0.0004

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Reviewed by: CBL 5/23/06

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)
	5 g wt	4.9999 041006skv1511	5.0005 041106skv1410	5.0001 051706skv0902	5.0002 051906skv1038					-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
	bctsp041006-458	4.2736 041006skv1514	4.2736 041106skv1413							NC
	bctsp041006-459	4.2656 041006skv1514	4.2656 041106skv1413							NC
	bctsp041006-460	4.2675 041006skv1515	4.2677 041106skv1414							NC
	5 g wt	5.0001 041006skv1515	5.0005 041106skv1414	5.0003 051706skv0906	5.0004 051906skv1042					-0.0001

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Page 2 Batch#: 6139505

Reviewed by: BL 5/23/06

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch **6139505**

Date 5/23/2006
Time 9:46:14

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.
H49HE-1-AA	0.0492	g	0.0001	05/17-05/19/06	.00	N	R	0.0492	0.0001	1.00
H49HL-1-AD	0.0389	g	0.0001	05/17-05/19/06	.00	N	R	0.0389	0.0001	1.00
H49HP-1-AF	0.0429	g	0.0001	05/17-05/19/06	.00	N	R	0.0429	0.0001	1.00
H49HQ-1-AF	0.0519	g	0.0001	05/17-05/19/06	.00	N	R	0.0519	0.0001	1.00
H49HT-1-AF	0.0458	g	0.0001	05/17-05/19/06	.00	N	R	0.0458	0.0001	1.00
H49HX-1-AF	0.0482	g	0.0001	05/17-05/19/06	.00	N	R	0.0482	0.0001	1.00
H49H1-1-AF	ND	g	0.0001	05/17-05/19/06	.00	N	R	ND	0.0001	1.00
H49H5-1-AF	ND	g	0.0001	05/17-05/19/06	.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