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 25, 2006

STL SACRAMENTO PROJECT NUMBER: G6E080132
PO/CONTRACT: 129682.001/Event 77

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 8, 2006. These samples are associated with your Event 77 project.

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

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,

Karen Dahl
Project Manager

TABLE OF CONTENTS

STL SACRAMENTO PROJECT NUMBER G6E080132

Case Narrative

STL Sacramento Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, Metals - Various Methods
Samples: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
    Sample Data Sheet
    Method Blank Report
    Laboratory QC Reports

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

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G6E080132

AIR, TSP
The final weight for sample 000443 was less than the initial weight so this result was 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
G6E080132

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
H4XGJ	1	P-0614	5/4/2006 12:00 PM	5/8/2006 08:40 AM
H4XGK	2	P-0615	5/4/2006 12:20 PM	5/8/2006 08:40 AM
H4XGN	3	P-0616	5/4/2006 11:05 AM	5/8/2006 08:40 AM
H4XGP	4	P-0617	5/4/2006 11:20 AM	5/8/2006 08:40 AM
H4XGQ	5	P-0618	5/4/2006 10:35 AM	5/8/2006 08:40 AM
H4XGR	6	P-0619	5/4/2006 10:45 AM	5/8/2006 08:40 AM
H4XGW	7	P-0620	5/4/2006 12:05 PM	5/8/2006 08:40 AM
H4XGX	8	000443	5/4/2006 12:10 PM	5/8/2006 08:40 AM
H4XG0	9	000444	5/4/2006 12:15 PM	5/8/2006 08:40 AM
H4XG7	10	000445	5/4/2006 11:10 AM	5/8/2006 08:40 AM
H4XG8	11	000446	5/4/2006 11:25 AM	5/8/2006 08:40 AM
H4XG9	12	000447	5/4/2006 10:30 AM	5/8/2006 08:40 AM
H4XHA	13	000448	5/4/2006 10:50 AM	5/8/2006 08:40 AM
H4XHD	14	000449	5/4/2006 11:30 AM	5/8/2006 08:40 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 77

YERA000153

☒ 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-0614	5/4/06	12:00	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-0615		12:20		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
03	P-0616		11:05		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
04	P-0617		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-0618		10:35		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-0619		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)					----	
07	P-0620		12:05		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
08														----	
09														----	
10														----	

COLLECTED & RELEASED BY: Diane Sherman	DATE 5/5/06	TIME 16:00	COOLER I.D.:			COMMENTS (see note on back):
RECEIVED BY: Chad Vile	DATE 5/8/06	TIME 10:15	RELINQUISHED BY:	DATE / /	TIME :	
RECORD RETURNED BY:	DATE / /	TIME :				
COURIER: FEDEX			SHIPPING NUMBER: 7914711377740			CW

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.

G6E080132
STL Sacramento (916) 373 - 5600

BROWN AND CALDWELL — CHAIN OF CUSTODY RECORD — COC No.: _____

Event 77

YERA000154

☒ 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	-000443	5/4/06	12:10	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	-000444		12:15		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
03	-000445		11:10		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
04	-000446		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	-000447		10:30		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
06	-000448		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)					----	
07	-000449		11:30		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
08														----	
09														----	
10														----	

	DATE	TIME		DATE	TIME	
COLLECTED & RELEASED BY: Maine Shoman	5/5/06	16:00	COOLER I.D.:			COMMENTS (see note on back):
RECEIVED BY: Cheng Vue	5/8/06	10:15	RELINQUISHED BY:	/ /	:	
RECORD RETURNED BY:	/ /	:				
COURIER: FED EX			SHIPPING NUMBER: 7914 7113 7740			

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.

G6E080132
STL Sacramento (916) 373 - 5600

SEVERN TRENT STL

LOT RECEIPT CHECKLIST
STL Sacramento

CLIENT Brown & Caldwell PM KD LOG # 38687

LOT# (QUANTIMS ID) G6E080132 QUOTE# 62684 LOCATION AC

	Initials	Date
DATE RECEIVED 5/8/06 TIME RECEIVED 0840	IN	5/8/06

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 N/A

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.

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

SEVERN TRENT STL

Bottle Lot Inventory

Lot ID: G6E080132

	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

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

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

QA-185 3/05 EM

Page 2

AIR, Metals – Various Methods

Brown and Caldwell

Client Sample ID: P-0614

TOTAL Metals

Lot-Sample #...: G6E080132-001 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6132516						
Silver	ND	1.2	ug	SW846 6020	05/15/06	H4XGJ1AH
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/15/06	H4XGJ1AJ
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/15/06	H4XGJ1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/15/06	H4XGJ1AL
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	05/15/06	H4XGJ1AM
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/15/06	H4XGJ1AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/15/06	H4XGJ1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**26.2**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGJ1AQ**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**12.9**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGJ1AR**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/15/06	H4XGJ1AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/15/06	H4XGJ1AU
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.7**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XGJ1AV**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/15/06	H4XGJ1AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	05/15/06	H4XGJ1AX
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0614

TOTAL Metals

Lot-Sample #...: G6E080132-001 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**6.8 B**	**24.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGJ1A0**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6135196						
Aluminum	**239 B**	**240**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGJ1AC**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/15-05/20/06	H4XGJ1AD
		Dilution Factor: 1		MDL.....: 898		
Iron	**280**	**120**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGJ1AE**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**221 B**	**600**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGJ1AF**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/15-05/20/06	H4XGJ1AG
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6135464						
Mercury	**0.0036 B**	**0.12**	**ug**	**SW846 7471A**	**05/15-05/17/06**	**H4XGJ1A1**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: P-0615

TOTAL Metals

Lot-Sample #...: G6E080132-002 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6132516						
Silver	ND	1.2	ug	SW846 6020	05/15/06	H4XGK1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/15/06	H4XGK1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/15/06	H4XGK1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/15/06	H4XGK1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	05/15/06	H4XGK1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/15/06	H4XGK1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/15/06	H4XGK1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**17.8**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGK1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**8.4**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGK1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/15/06	H4XGK1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/15/06	H4XGK1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.6**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XGK1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/15/06	H4XGK1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	05/15/06	H4XGK1A1
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0615

TOTAL Metals

Lot-Sample #...: G6E080132-002 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**6.6 B**	**24.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGK1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6135196						
Aluminum	**245**	**240**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGK1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/15-05/20/06	H4XGK1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**263**	**120**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGK1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**213 B**	**600**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGK1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/15-05/20/06	H4XGK1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6135464						
Mercury	**0.0030 B**	**0.12**	**ug**	**SW846 7471A**	**05/15-05/17/06**	**H4XGK1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: P-0616

TOTAL Metals

Lot-Sample #...: G6E080132-003 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6132516						
Silver	ND	1.2	ug	SW846 6020	05/15/06	H4XGN1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/15/06	H4XGN1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/15/06	H4XGN1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/15/06	H4XGN1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	05/15/06	H4XGN1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/15/06	H4XGN1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/15/06	H4XGN1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**38.7**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGN1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**7.8**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGN1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/15/06	H4XGN1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/15/06	H4XGN1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.0**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XGN1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/15/06	H4XGN1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	05/15/06	H4XGN1A1
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0616

TOTAL Metals

Lot-Sample #...: G6E080132-003 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**6.6 B**	**24.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGN1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6135196						
Aluminum	**246**	**240**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGN1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/15-05/20/06	H4XGN1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**287**	**120**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGN1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**240 B**	**600**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGN1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/15-05/20/06	H4XGN1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6135464						
Mercury	ND	0.12	ug	SW846 7471A	05/15-05/17/06	H4XGN1AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: P-0617

TOTAL Metals

Lot-Sample #...: G6E080132-004 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6132516						
Silver	ND	1.2	ug	SW846 6020	05/15/06	H4XGP1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/15/06	H4XGP1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/15/06	H4XGP1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/15/06	H4XGP1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	05/15/06	H4XGP1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/15/06	H4XGP1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/15/06	H4XGP1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**19.2**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGP1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**8.2**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGP1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/15/06	H4XGP1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/15/06	H4XGP1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.5**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XGP1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/15/06	H4XGP1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	05/15/06	H4XGP1A1
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0617

TOTAL Metals

Lot-Sample #...: G6E080132-004 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**9.7 B**	**24.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGP1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6135196						
Aluminum	**255**	**240**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGP1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/15-05/20/06	H4XGP1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**300**	**120**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGP1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**248 B**	**600**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGP1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/15-05/20/06	H4XGP1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6135464						
Mercury	**0.0072 B**	**0.12**	**ug**	**SW846 7471A**	**05/15-05/17/06**	**H4XGP1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: P-0618

TOTAL Metals

Lot-Sample #...: G6E080132-005 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6132516						
Silver	ND	1.2	ug	SW846 6020	05/15/06	H4XGQ1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/15/06	H4XGQ1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/15/06	H4XGQ1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/15/06	H4XGQ1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	05/15/06	H4XGQ1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/15/06	H4XGQ1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/15/06	H4XGQ1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**21.6**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGQ1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**8.4**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGQ1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/15/06	H4XGQ1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/15/06	H4XGQ1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.8**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XGQ1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	**2.3 B**	**3.6**	**ug**	**SW846 6020**	**05/15/06**	**H4XGQ1A0**
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	05/15/06	H4XGQ1A1
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0618

TOTAL Metals

Lot-Sample #...: G6E080132-005 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**6.3 B**	**24.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGQ1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6135196						
Aluminum	**252**	**240**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGQ1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/15-05/20/06	H4XGQ1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**287**	**120**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGQ1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**250 B**	**600**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGQ1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/15-05/20/06	H4XGQ1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6135464						
Mercury	**0.0084 B**	**0.12**	**ug**	**SW846 7471A**	**05/15-05/17/06**	**H4XGQ1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: P-0619

TOTAL Metals

Lot-Sample #...: G6E080132-006 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6132516						
Silver	ND	1.2	ug	SW846 6020	05/15/06	H4XGR1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/15/06	H4XGR1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/15/06	H4XGR1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/15/06	H4XGR1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	05/15/06	H4XGR1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/15/06	H4XGR1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/15/06	H4XGR1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**29.0**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGR1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**8.0**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGR1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/15/06	H4XGR1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/15/06	H4XGR1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.6**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XGR1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/15/06	H4XGR1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	05/15/06	H4XGR1A1
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0619

TOTAL Metals

Lot-Sample #...: G6E080132-006 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	05/15/06	H4XGR1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6135196						
Aluminum	**220 B**	**240**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGR1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/15-05/20/06	H4XGR1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**257**	**120**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGR1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**214 B**	**600**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGR1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/15-05/20/06	H4XGR1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6135464						
Mercury	**0.0036 B**	**0.12**	**ug**	**SW846 7471A**	**05/15-05/17/06**	**H4XGR1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: P-0620

TOTAL Metals

Lot-Sample #...: G6E080132-007 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6132516						
Silver	ND	1.2	ug	SW846 6020	05/15/06	H4XGW1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/15/06	H4XGW1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/15/06	H4XGW1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/15/06	H4XGW1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	05/15/06	H4XGW1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/15/06	H4XGW1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/15/06	H4XGW1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**26.3**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGW1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**7.9**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGW1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/15/06	H4XGW1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/15/06	H4XGW1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.7**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XGW1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/15/06	H4XGW1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	05/15/06	H4XGW1A1
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0620

TOTAL Metals

Lot-Sample #...: G6E080132-007 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	05/15/06	H4XGW1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6135196						
Aluminum	**247**	**240**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGW1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/15-05/20/06	H4XGW1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**286**	**120**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGW1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**233 B**	**600**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XGW1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/15-05/20/06	H4XGW1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6135464						
Mercury	**0.0078 B**	**0.12**	**ug**	**SW846 7471A**	**05/15-05/17/06**	**H4XGW1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: 000443

TOTAL Metals

Lot-Sample #...: G6E080132-008 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6132516						
Silver	**0.028 B**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XGX1AH**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/15/06	H4XGX1AJ
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/15/06	H4XGX1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/15/06	H4XGX1AL
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.065 B**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XGX1AM**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/15/06	H4XGX1AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/15/06	H4XGX1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**162**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGX1AQ**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**21.6**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGX1AR**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/15/06	H4XGX1AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/15/06	H4XGX1AU
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.6**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XGX1AV**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/15/06	H4XGX1AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.4 B**	**12.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XGX1AX**
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000443

TOTAL Metals

Lot-Sample #...: G6E080132-008 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	8.7 B	24.0	ug	SW846 6020	05/15/06	H4XGX1A0
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6135196						
Aluminum	696	240	ug	SW846 6010B	05/15-05/20/06	H4XGX1AC
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1600 B	3000	ug	SW846 6010B	05/15-05/20/06	H4XGX1AD
		Dilution Factor: 1		MDL.....: 898		
Iron	803	120	ug	SW846 6010B	05/15-05/20/06	H4XGX1AE
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	558 B	600	ug	SW846 6010B	05/15-05/20/06	H4XGX1AF
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	2450 B	6000	ug	SW846 6010B	05/15-05/20/06	H4XGX1AG
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6135464						
Mercury	0.025 B	0.12	ug	SW846 7471A	05/15-05/17/06	H4XGX1A1
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: 000444

TOTAL Metals

Lot-Sample #...: G6E080132-009 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6132516						
Silver	ND	1.2	ug	SW846 6020	05/15/06	H4XG01AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/15/06	H4XG01AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/15/06	H4XG01AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/15/06	H4XG01AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	05/15/06	H4XG01AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/15/06	H4XG01AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/15/06	H4XG01AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**115**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XG01AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**17.0**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XG01AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/15/06	H4XG01AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/15/06	H4XG01AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.0**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XG01AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/15/06	H4XG01A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	05/15/06	H4XG01A1
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000444

TOTAL Metals

Lot-Sample #...: G6E080132-009 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	6.9 B	24.0	ug	SW846 6020	05/15/06	H4XG01AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6135196						
Aluminum	469	240	ug	SW846 6010B	05/15-05/20/06	H4XG01AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1220 B	3000	ug	SW846 6010B	05/15-05/20/06	H4XG01AF
		Dilution Factor: 1		MDL.....: 898		
Iron	511	120	ug	SW846 6010B	05/15-05/20/06	H4XG01AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	381 B	600	ug	SW846 6010B	05/15-05/20/06	H4XG01AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/15-05/20/06	H4XG01AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6135464						
Mercury	0.020 B	0.12	ug	SW846 7471A	05/15-05/17/06	H4XG01AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: 000445

TOTAL Metals

Lot-Sample #...: G6E080132-010 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6132516						
Silver	**0.026 B**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XG71AM**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/15/06	H4XG71AN
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/15/06	H4XG71AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/15/06	H4XG71AQ
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.073 B**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XG71AR**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/15/06	H4XG71AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/15/06	H4XG71AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**148**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XG71AV**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**18.5**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XG71AW**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/15/06	H4XG71AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/15/06	H4XG71A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.7**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XG71A1**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/15/06	H4XG71AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.2 B**	**12.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XG71AC**
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000445

TOTAL Metals

Lot-Sample #...: G6E080132-010 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	8.8 B	24.0	ug	SW846 6020	05/15/06	H4XG71AD
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6135196						
Aluminum	828	240	ug	SW846 6010B	05/15-05/20/06	H4XG71AG
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1420 B	3000	ug	SW846 6010B	05/15-05/20/06	H4XG71AH
		Dilution Factor: 1		MDL.....: 898		
Iron	673	120	ug	SW846 6010B	05/15-05/20/06	H4XG71AJ
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	481 B	600	ug	SW846 6010B	05/15-05/20/06	H4XG71AK
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	2140 B	6000	ug	SW846 6010B	05/15-05/20/06	H4XG71AL
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6135464						
Mercury	0.037 B	0.12	ug	SW846 7471A	05/15-05/17/06	H4XG71AE
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: 000446

TOTAL Metals

Lot-Sample #...: G6E080132-011 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6132516						
Silver	**0.032 B**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XG81AM**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/15/06	H4XG81AN
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/15/06	H4XG81AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/15/06	H4XG81AQ
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.089 B**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XG81AR**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/15/06	H4XG81AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/15/06	H4XG81AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**145**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XG81AV**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**21.7**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XG81AW**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/15/06	H4XG81AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/15/06	H4XG81A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**3.6**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XG81A1**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/15/06	H4XG81AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.1 B**	**12.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XG81AC**
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000446

TOTAL Metals

Lot-Sample #...: G6E080132-011 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	18.0 B	24.0	ug	SW846 6020	05/15/06	H4XG81AD
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6135196						
Aluminum	698	240	ug	SW846 6010B	05/15-05/20/06	H4XG81AG
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1620 B	3000	ug	SW846 6010B	05/15-05/20/06	H4XG81AH
		Dilution Factor: 1		MDL.....: 898		
Iron	810	120	ug	SW846 6010B	05/15-05/20/06	H4XG81AJ
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	565 B	600	ug	SW846 6010B	05/15-05/20/06	H4XG81AK
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	2030 B	6000	ug	SW846 6010B	05/15-05/20/06	H4XG81AL
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6135464						
Mercury	0.016 B	0.12	ug	SW846 7471A	05/15-05/17/06	H4XG81AE
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: 000447

TOTAL Metals

Lot-Sample #...: G6E080132-012 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6132516						
Silver	ND	1.2	ug	SW846 6020	05/15/06	H4XG91AM
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/15/06	H4XG91AN
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/15/06	H4XG91AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/15/06	H4XG91AQ
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**4.5**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XG91AR**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/15/06	H4XG91AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/15/06	H4XG91AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**130**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XG91AV**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**20.4**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XG91AW**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/15/06	H4XG91AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/15/06	H4XG91A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**4.9**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XG91A1**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	**3.6**	**3.6**	**ug**	**SW846 6020**	**05/15/06**	**H4XG91AA**
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**2.9 B**	**12.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XG91AC**
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000447

TOTAL Metals

Lot-Sample #...: G6E080132-012 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	26.9	24.0	ug	SW846 6020	05/15/06	H4XG91AD
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6135196						
Aluminum	722	240	ug	SW846 6010B	05/15-05/20/06	H4XG91AG
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1720 B	3000	ug	SW846 6010B	05/15-05/20/06	H4XG91AH
		Dilution Factor: 1		MDL.....: 898		
Iron	989	120	ug	SW846 6010B	05/15-05/20/06	H4XG91AJ
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	533 B	600	ug	SW846 6010B	05/15-05/20/06	H4XG91AK
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	2280 B	6000	ug	SW846 6010B	05/15-05/20/06	H4XG91AL
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6135464						
Mercury	0.020 B	0.12	ug	SW846 7471A	05/15-05/17/06	H4XG91AE
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: 000448

TOTAL Metals

Lot-Sample #...: G6E080132-013 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6132516						
Silver	ND	1.2	ug	SW846 6020	05/15/06	H4XHA1AM
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**2.3 B**	**3.6**	**ug**	**SW846 6020**	**05/15/06**	**H4XHA1AN**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/15/06	H4XHA1AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/15/06	H4XHA1AQ
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.054 B**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XHA1AR**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/15/06	H4XHA1AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/15/06	H4XHA1AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**86.4**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XHA1AV**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**18.4**	**6.0**	**ug**	**SW846 6020**	**05/15/06**	**H4XHA1AW**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/15/06	H4XHA1AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/15/06	H4XHA1A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.2**	**1.2**	**ug**	**SW846 6020**	**05/15/06**	**H4XHA1A1**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/15/06	H4XHA1AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	05/15/06	H4XHA1AC
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000448

TOTAL Metals

Lot-Sample #...: G6E080132-013 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	8.5 B	24.0	ug	SW846 6020	05/15/06	H4XHA1AD
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6135196						
Aluminum	544	240	ug	SW846 6010B	05/15-05/20/06	H4XHA1AG
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1340 B	3000	ug	SW846 6010B	05/15-05/20/06	H4XHA1AH
		Dilution Factor: 1		MDL.....: 898		
Iron	610	120	ug	SW846 6010B	05/15-05/20/06	H4XHA1AJ
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	457 B	600	ug	SW846 6010B	05/15-05/20/06	H4XHA1AK
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	2360 B	6000	ug	SW846 6010B	05/15-05/20/06	H4XHA1AL
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6135464						
Mercury	0.013 B	0.12	ug	SW846 7471A	05/15-05/17/06	H4XHA1AE
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: 000449

TOTAL Metals

Lot-Sample #...: G6E080132-014 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6132516						
Silver	ND	1.2	ug	SW846 6020	05/15/06	H4XHD1AM
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	05/15/06	H4XHD1AN
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	05/15/06	H4XHD1AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	05/15/06	H4XHD1AQ
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	05/15/06	H4XHD1AR
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	05/15/06	H4XHD1AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	05/15/06	H4XHD1AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	ND	6.0	ug	SW846 6020	05/15/06	H4XHD1AV
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	ND	6.0	ug	SW846 6020	05/15/06	H4XHD1AW
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	05/15/06	H4XHD1AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	05/15/06	H4XHD1A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	ND	1.2	ug	SW846 6020	05/15/06	H4XHD1A1
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	05/15/06	H4XHD1AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	05/15/06	H4XHD1AC
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000449

TOTAL Metals

Lot-Sample #...: G6E080132-014 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	05/15/06	H4XHD1AD
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6135196						
Aluminum	ND	240	ug	SW846 6010B	05/15-05/20/06	H4XHD1AG
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	05/15-05/20/06	H4XHD1AH
		Dilution Factor: 1		MDL.....: 898		
Iron	**16.1 B**	**120**	**ug**	**SW846 6010B**	**05/15-05/20/06**	**H4XHD1AJ**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	ND	600	ug	SW846 6010B	05/15-05/20/06	H4XHD1AK
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	05/15-05/20/06	H4XHD1AL
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6135464						
Mercury	ND	0.12	ug	SW846 7471A	05/15-05/17/06	H4XHD1AE
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

G6E080132

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AIR	SW846 6020		6132516	
	AIR	SW846 7471A		6135464	
	AIR	SW846 6010B		6135196	
002	AIR	SW846 6020		6132516	
	AIR	SW846 7471A		6135464	
	AIR	SW846 6010B		6135196	
003	AIR	SW846 6020		6132516	
	AIR	SW846 7471A		6135464	
	AIR	SW846 6010B		6135196	
004	AIR	SW846 6020		6132516	
	AIR	SW846 7471A		6135464	
	AIR	SW846 6010B		6135196	
005	AIR	SW846 6020		6132516	
	AIR	SW846 7471A		6135464	
	AIR	SW846 6010B		6135196	
006	AIR	SW846 6020		6132516	
	AIR	SW846 7471A		6135464	
	AIR	SW846 6010B		6135196	
007	AIR	SW846 6020		6132516	
	AIR	SW846 7471A		6135464	
	AIR	SW846 6010B		6135196	
008	AIR	SW846 6020		6132516	
	AIR	SW846 7471A		6135464	
	AIR	SW846 6010B		6135196	
009	AIR	SW846 6020		6132516	
	AIR	SW846 7471A		6135464	
	AIR	SW846 6010B		6135196	
010	AIR	SW846 6020		6132516	
	AIR	SW846 7471A		6135464	
	AIR	SW846 6010B		6135196	
011	AIR	SW846 6020		6132516	
	AIR	SW846 7471A		6135464	
	AIR	SW846 6010B		6135196	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G6E080132

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
012	AIR	SW846 6020		6132516	
	AIR	SW846 7471A		6135464	
	AIR	SW846 6010B		6135196	
013	AIR	SW846 6020		6132516	
	AIR	SW846 7471A		6135464	
	AIR	SW846 6010B		6135196	
014	AIR	SW846 6020		6132516	
	AIR	SW846 7471A		6135464	
	AIR	SW846 6010B		6135196	

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: G6E080132 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G6E120000-516 **Prep Batch #...:** 6132516						
Arsenic	ND	3.6	ug	SW846 6020	05/15/06	H5CJ41AC
		Dilution Factor: 1				
Barium	ND	120	ug	SW846 6020	05/15/06	H5CJ41AD
		Dilution Factor: 1				
Beryllium	ND	1.2	ug	SW846 6020	05/15/06	H5CJ41AE
		Dilution Factor: 1				
Cadmium	ND	1.2	ug	SW846 6020	05/15/06	H5CJ41AF
		Dilution Factor: 1				
Chromium	ND	12.0	ug	SW846 6020	05/15/06	H5CJ41AH
		Dilution Factor: 1				
Cobalt	ND	12.0	ug	SW846 6020	05/15/06	H5CJ41AG
		Dilution Factor: 1				
Copper	ND	6.0	ug	SW846 6020	05/15/06	H5CJ41AJ
		Dilution Factor: 1				
Lead	ND	1.2	ug	SW846 6020	05/15/06	H5CJ41AN
		Dilution Factor: 1				
Manganese	ND	6.0	ug	SW846 6020	05/15/06	H5CJ41AK
		Dilution Factor: 1				
Molybdenum	ND	6.0	ug	SW846 6020	05/15/06	H5CJ41AL
		Dilution Factor: 1				
Nickel	ND	6.0	ug	SW846 6020	05/15/06	H5CJ41AM
		Dilution Factor: 1				
Selenium	ND	3.6	ug	SW846 6020	05/15/06	H5CJ41AP
		Dilution Factor: 1				
Silver	ND	1.2	ug	SW846 6020	05/15/06	H5CJ41AA
		Dilution Factor: 1				
Vanadium	ND	12.0	ug	SW846 6020	05/15/06	H5CJ41AQ
		Dilution Factor: 1				
Zinc	ND	24.0	ug	SW846 6020	05/15/06	H5CJ41AR
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: G6E080132 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G6E150000-196 **Prep Batch #...:** 6135196						
Aluminum	ND	240	ug	SW846 6010B	05/15-05/20/06	H5DW61AA
		Dilution Factor: 1				
Calcium	ND	3000	ug	SW846 6010B	05/15-05/20/06	H5DW61AC
		Dilution Factor: 1				
Iron	ND	120	ug	SW846 6010B	05/15-05/20/06	H5DW61AD
		Dilution Factor: 1				
Magnesium	ND	600	ug	SW846 6010B	05/15-05/20/06	H5DW61AE
		Dilution Factor: 1				
Sodium	ND	6000	ug	SW846 6010B	05/15-05/20/06	H5DW61AF
		Dilution Factor: 1				
MB Lot-Sample #: G6E150000-464 **Prep Batch #...:** 6135464						
Mercury	ND	0.12	ug	SW846 7471A	05/15-05/17/06	H5ET61AA
		Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6E080132 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Arsenic	240	217	ug	90		SW846 6020	05/15/06	6132516
	240	224	ug	93	2.9	SW846 6020	05/15/06	6132516
			Dilution Factor: 1					
Barium	240	237	ug	99		SW846 6020	05/15/06	6132516
	240	241	ug	100	1.3	SW846 6020	05/15/06	6132516
			Dilution Factor: 1					
Beryllium	240	218	ug	91		SW846 6020	05/15/06	6132516
	240	228	ug	95	4.4	SW846 6020	05/15/06	6132516
			Dilution Factor: 1					
Cadmium	240	221	ug	92		SW846 6020	05/15/06	6132516
	240	224	ug	93	1.7	SW846 6020	05/15/06	6132516
			Dilution Factor: 1					
Chromium	240	241	ug	101		SW846 6020	05/15/06	6132516
	240	248	ug	103	2.5	SW846 6020	05/15/06	6132516
			Dilution Factor: 1					
Cobalt	240	236	ug	98		SW846 6020	05/15/06	6132516
	240	242	ug	101	2.4	SW846 6020	05/15/06	6132516
			Dilution Factor: 1					
Copper	240	235	ug	98		SW846 6020	05/15/06	6132516
	240	241	ug	101	2.6	SW846 6020	05/15/06	6132516
			Dilution Factor: 1					
Lead	240	249	ug	104		SW846 6020	05/15/06	6132516
	240	247	ug	103	0.73	SW846 6020	05/15/06	6132516
			Dilution Factor: 1					
Manganese	240	228	ug	95		SW846 6020	05/15/06	6132516
	240	239	ug	99	4.6	SW846 6020	05/15/06	6132516
			Dilution Factor: 1					
Molybdenum	240	244	ug	102		SW846 6020	05/15/06	6132516
	240	252	ug	105	3.4	SW846 6020	05/15/06	6132516
			Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6E080132 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nickel	240	238	ug	99		SW846 6020	05/15/06	6132516
	240	239	ug	99	0.47	SW846 6020	05/15/06	6132516
			Dilution Factor: 1					
Selenium	240	216	ug	90		SW846 6020	05/15/06	6132516
	240	221	ug	92	2.5	SW846 6020	05/15/06	6132516
			Dilution Factor: 1					
Silver	60.0	56.9	ug	95		SW846 6020	05/15/06	6132516
	60.0	57.5	ug	96	1.2	SW846 6020	05/15/06	6132516
			Dilution Factor: 1					
Vanadium	240	216	ug	90		SW846 6020	05/15/06	6132516
	240	227	ug	94	4.6	SW846 6020	05/15/06	6132516
			Dilution Factor: 1					
Zinc	240	221	ug	92		SW846 6020	05/15/06	6132516
	240	226	ug	94	2.1	SW846 6020	05/15/06	6132516
			Dilution Factor: 1					
Aluminum	2400	2360	ug	98		SW846 6010B	05/15-05/20/06	6135196
	2400	2340	ug	98	0.72	SW846 6010B	05/15-05/20/06	6135196
			Dilution Factor: 1					
Calcium	60000	56200	ug	94		SW846 6010B	05/15-05/20/06	6135196
	60000	56000	ug	93	0.31	SW846 6010B	05/15-05/20/06	6135196
			Dilution Factor: 1					
Iron	1200	1180	ug	99		SW846 6010B	05/15-05/20/06	6135196
	1200	1170	ug	97	1.2	SW846 6010B	05/15-05/20/06	6135196
			Dilution Factor: 1					
Magnesium	60000	56500	ug	94		SW846 6010B	05/15-05/20/06	6135196
	60000	56100	ug	93	0.64	SW846 6010B	05/15-05/20/06	6135196
			Dilution Factor: 1					
Sodium	60000	55300	ug	92		SW846 6010B	05/15-05/20/06	6135196
	60000	54900	ug	91	0.65	SW846 6010B	05/15-05/20/06	6135196
			Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6E080132 Matrix.....: AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Mercury	0.600	0.592	ug	99		SW846 7471A	05/15-05/17/06	6135464
	0.600	0.578	ug	96	2.5	SW846 7471A	05/15-05/17/06	6135464

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 #...: G6E080132 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Arsenic	90	(75 - 125)			SW846 6020	05/15/06	6132516
	93	(75 - 125)	2.9	(0-20)	SW846 6020	05/15/06	6132516
		Dilution Factor: 1					
Barium	99	(75 - 125)			SW846 6020	05/15/06	6132516
	100	(75 - 125)	1.3	(0-20)	SW846 6020	05/15/06	6132516
		Dilution Factor: 1					
Beryllium	91	(75 - 125)			SW846 6020	05/15/06	6132516
	95	(75 - 125)	4.4	(0-20)	SW846 6020	05/15/06	6132516
		Dilution Factor: 1					
Cadmium	92	(75 - 125)			SW846 6020	05/15/06	6132516
	93	(75 - 125)	1.7	(0-20)	SW846 6020	05/15/06	6132516
		Dilution Factor: 1					
Chromium	101	(75 - 125)			SW846 6020	05/15/06	6132516
	103	(75 - 125)	2.5	(0-20)	SW846 6020	05/15/06	6132516
		Dilution Factor: 1					
Cobalt	98	(75 - 125)			SW846 6020	05/15/06	6132516
	101	(75 - 125)	2.4	(0-20)	SW846 6020	05/15/06	6132516
		Dilution Factor: 1					
Copper	98	(75 - 125)			SW846 6020	05/15/06	6132516
	101	(75 - 125)	2.6	(0-20)	SW846 6020	05/15/06	6132516
		Dilution Factor: 1					
Lead	104	(75 - 125)			SW846 6020	05/15/06	6132516
	103	(75 - 125)	0.73	(0-20)	SW846 6020	05/15/06	6132516
		Dilution Factor: 1					
Manganese	95	(75 - 125)			SW846 6020	05/15/06	6132516
	99	(75 - 125)	4.6	(0-20)	SW846 6020	05/15/06	6132516
		Dilution Factor: 1					
Molybdenum	102	(75 - 125)			SW846 6020	05/15/06	6132516
	105	(75 - 125)	3.4	(0-20)	SW846 6020	05/15/06	6132516
		Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6E080132 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Nickel	99	(75 - 125)			SW846 6020	05/15/06	6132516
	99	(75 - 125)	0.47	(0-20)	SW846 6020	05/15/06	6132516
		Dilution Factor: 1					
Selenium	90	(75 - 125)			SW846 6020	05/15/06	6132516
	92	(75 - 125)	2.5	(0-20)	SW846 6020	05/15/06	6132516
		Dilution Factor: 1					
Silver	95	(75 - 125)			SW846 6020	05/15/06	6132516
	96	(75 - 125)	1.2	(0-20)	SW846 6020	05/15/06	6132516
		Dilution Factor: 1					
Vanadium	90	(75 - 125)			SW846 6020	05/15/06	6132516
	94	(75 - 125)	4.6	(0-20)	SW846 6020	05/15/06	6132516
		Dilution Factor: 1					
Zinc	92	(75 - 125)			SW846 6020	05/15/06	6132516
	94	(75 - 125)	2.1	(0-20)	SW846 6020	05/15/06	6132516
		Dilution Factor: 1					
Aluminum	98	(75 - 125)			SW846 6010B	05/15-05/20/06	6135196
	98	(75 - 125)	0.72	(0-20)	SW846 6010B	05/15-05/20/06	6135196
		Dilution Factor: 1					
Calcium	94	(75 - 125)			SW846 6010B	05/15-05/20/06	6135196
	93	(75 - 125)	0.31	(0-20)	SW846 6010B	05/15-05/20/06	6135196
		Dilution Factor: 1					
Iron	99	(75 - 125)			SW846 6010B	05/15-05/20/06	6135196
	97	(75 - 125)	1.2	(0-20)	SW846 6010B	05/15-05/20/06	6135196
		Dilution Factor: 1					
Magnesium	94	(75 - 125)			SW846 6010B	05/15-05/20/06	6135196
	93	(75 - 125)	0.64	(0-20)	SW846 6010B	05/15-05/20/06	6135196
		Dilution Factor: 1					
Sodium	92	(75 - 125)			SW846 6010B	05/15-05/20/06	6135196
	91	(75 - 125)	0.65	(0-20)	SW846 6010B	05/15-05/20/06	6135196
		Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6E080132 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Mercury	99	(75 - 125)			SW846 7471A	05/15-05/17/06	6135464
	96	(75 - 125)	2.5	(0-20)	SW846 7471A	05/15-05/17/06	6135464

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-0614

General Chemistry

Lot-Sample #...: G6E080132-001 Work Order #...: H4XGJ Matrix.....: AIR
Date Sampled...: 05/04/06 Date Received..: 05/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0130	0.0001	g	CFR50J APDX J	05/10-05/12/06	6136531

Brown and Caldwell

Client Sample ID: P-0615

General Chemistry

Lot-Sample #...: G6E080132-002 Work Order #...: H4XGK Matrix.....: AIR
Date Sampled...: 05/04/06 Date Received..: 05/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0134	0.0001	g	CFR50J APDX J	05/10-05/12/06	6136531

Brown and Caldwell

Client Sample ID: P-0616

General Chemistry

Lot-Sample #...: G6E080132-003 Work Order #...: H4XGN Matrix.....: AIR
Date Sampled...: 05/04/06 Date Received..: 05/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0148	0.0001	g	CFR50J APDX J	05/10-05/11/06	6136531

Brown and Caldwell

Client Sample ID: P-0617

General Chemistry

Lot-Sample #...: G6E080132-004 **Work Order #...:** H4XGP **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	**0.0159**	**0.0001**	**g**	**CFR50J APDX J**	**05/10-05/12/06**	**6136531**

Brown and Caldwell

Client Sample ID: P-0618

General Chemistry

Lot-Sample #...: G6E080132-005 Work Order #...: H4XGQ Matrix.....: AIR
Date Sampled...: 05/04/06 Date Received..: 05/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0161	0.0001	g	CFR50J APDX J	05/10-05/12/06	6136531

Brown and Caldwell

Client Sample ID: P-0619

General Chemistry

Lot-Sample #...: G6E080132-006 Work Order #...: H4XGR Matrix.....: AIR
Date Sampled...: 05/04/06 Date Received..: 05/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0142	0.0001	g	CFR50J APDX J	05/10-05/11/06	6136531

Brown and Caldwell

Client Sample ID: P-0620

General Chemistry

Lot-Sample #...: G6E080132-007 **Work Order #...:** H4XGW **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	**0.0153**	**0.0001**	**g**	**CFR50J APDX J**	**05/10-05/12/06**	**6136531**

Brown and Caldwell

Client Sample ID: 000443

General Chemistry

Lot-Sample #...: G6E080132-008 **Work Order #...:** H4XGX **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0507	0.0001	g	CFR50B APDX B	05/10-05/11/06	6136536

Brown and Caldwell

Client Sample ID: 000444

General Chemistry

Lot-Sample #...: G6E080132-009 **Work Order #...:** H4XG0 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0353	0.0001	g	CFR50B APDX B	05/10-05/11/06	6136536

Brown and Caldwell

Client Sample ID: 000445

General Chemistry

Lot-Sample #...: G6E080132-010 **Work Order #...:** H4XG7 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0416	0.0001	g	CFR50B APDX B	05/10-05/11/06	6136536

Brown and Caldwell

Client Sample ID: 000446

General Chemistry

Lot-Sample #...: G6E080132-011 **Work Order #...:** H4XG8 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0513	0.0001	g	CFR50B APDX B	05/10-05/11/06	6136536

Brown and Caldwell

Client Sample ID: 000447

General Chemistry

Lot-Sample #...: G6E080132-012 **Work Order #...:** H4XG9 **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0488	0.0001	g	CFR50B APDX B	05/10-05/11/06	6136536

Brown and Caldwell

Client Sample ID: 000448

General Chemistry

Lot-Sample #...: G6E080132-013 **Work Order #...:** H4XHA **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0440	0.0001	g	CFR50B APDX B	05/10-05/11/06	6136536

Brown and Caldwell

Client Sample ID: 000449

General Chemistry

Lot-Sample #...: G6E080132-014 **Work Order #...:** H4XHD **Matrix.....:** AIR
Date Sampled...: 05/04/06 **Date Received..:** 05/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	ND	0.0001	g	CFR50B APDX B	05/10-05/11/06	6136536

AIR, Metals – Various Methods

Raw Data Package

ICP

G6E080132

STL Sacramento

RUN SUMMARY

Method: 6010 | PE ICP2 (P05) | Reported: 05/20/06 13:10:09

File ID: MAY2006AX.csv **Analyst: WONGA**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	Calib_Blank_				1.0	05/20/06 09:39		☐
2	Calib_Std_1				1.0	05/20/06 09:42		☐
3	Calib Std 2				1.0	05/20/06 09:45		☐
4	ICV4				1.0	05/20/06 09:47		☐
5	ICB				1.0	05/20/06 09:49		☐
6	PQL				1.0	05/20/06 09:53		☐
7	ICSA				1.0	05/20/06 09:57		☐
8	ICSAB_4.0				1.0	05/20/06 09:59		☐
9	FB1815158				1.0	05/20/06 10:06		☐
10	H5DW6B	G6E150000	6135196	2A	1.0	05/20/06 10:09		☐
11	H5DW6C	G6E150000	6135196	2A	1.0	05/20/06 10:13		☐
12	H5DW6L	G6E150000	6135196	2A	1.0	05/20/06 10:16		☐
13	H4XGJ	G6E080132-1	6135196	2A	1.0	05/20/06 10:19		☐
14	H4XGJP5	G6E080132	6135196		5.0	05/20/06 10:23		☐
15	H4XGJZ	G6E080132-1	6135196		1.0	05/20/06 10:27		☐
16	CCV				1.0	05/20/06 10:30		☐
17	CCB				1.0	05/20/06 10:32		☐
18	H4XGK	G6E080132-2	6135196	2A	1.0	05/20/06 10:36		☐
19	H4XGN	G6E080132-3	6135196	2A	1.0	05/20/06 10:39		☐
20	H4XGP	G6E080132-4	6135196	2A	1.0	05/20/06 10:43		☐
21	H4XGQ	G6E080132-5	6135196	2A	1.0	05/20/06 10:47		☐
22	H4XGR	G6E080132-6	6135196	2A	1.0	05/20/06 10:50		☐
23	H4XGW	G6E080132-7	6135196	2A	1.0	05/20/06 10:54		☐
24	H4XGX	G6E080132-8	6135196	2A	1.0	05/20/06 10:57		☐
25	H4XG0	G6E080132-9	6135196	2A	1.0	05/20/06 11:01		☐
26	H4XG7	G6E080132-10	6135196	2A	1.0	05/20/06 11:05		☐
27	H4XG8	G6E080132-11	6135196	2A	1.0	05/20/06 11:08		☐
28	CCV				1.0	05/20/06 11:12		☐
29	CCB				1.0	05/20/06 11:15		☐
30	H4XG9	G6E080132-12	6135196	2A	1.0	05/20/06 11:18		☐
31	H4XHA	G6E080132-13	6135196	2A	1.0	05/20/06 11:22		☐
32	H4XHD	G6E080132-14	6135196	2A	1.0	05/20/06 11:26		☐
33	CCV				1.0	05/20/06 11:31		☐
34	CCB				1.0	05/20/06 11:34		☐

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6010 () PE ICP2 (P05) Reported: 05/20/06 13:10:09

File ID: MAY2006AX.csv **Analyst: WONGA**

#	Sample ID	Analyzed Date	In Axial	In Radial	Sc Axial	Sc Radial	Y_ Axial	Y_ Radial	Q
1	Calib_Blank_	05/20/06 09:39	0.0	0.0	0.0	0.0	0.0	0.0	☑
2	Calib Std 1	05/20/06 09:42	0.0	0.0	0.0	0.0	0.0	0.0	☑
3	Calib Std 2	05/20/06 09:45	0.0	0.0	0.0	0.0	0.0	0.0	☑
4	ICV4	05/20/06 09:47	98.1	98.2	97.2	97.3	96.5	96.6	☑
5	ICB	05/20/06 09:49	100.8	99.5	100.7	98.7	100.6	98.7	☑
6	PQL	05/20/06 09:53	98.9	100.2	98.3	100.2	98.3	100.4	☑
7	ICSA	05/20/06 09:57	78.0	86.8	84.1	89.7	83.6	89.4	☑
8	ICSAB_4.0	05/20/06 09:59	79.4	88.4	85.3	90.9	84.8	90.8	☑
9	FB1815158	05/20/06 10:06	101.8	104.0	100.5	101.3	100.7	101.4	☑
10	H5DW6B	05/20/06 10:09	102.0	102.5	101.0	99.6	101.2	99.9	☑
11	H5DW6C	05/20/06 10:13	94.7	99.8	97.6	97.4	96.8	96.5	☑
12	H5DW6L	05/20/06 10:16	94.3	100.1	97.6	99.4	96.8	98.4	☑
13	H4XGJ	05/20/06 10:19	103.2	105.1	101.7	102.4	101.8	102.6	☑
14	H4XGJP5	05/20/06 10:23	99.8	100.8	99.3	100.9	99.3	101.0	☑
15	H4XGJZ	05/20/06 10:27	95.0	99.9	97.1	98.7	96.4	97.9	☑
16	CCV	05/20/06 10:30	94.7	100.2	97.0	99.5	96.0	99.0	☑
17	CCB	05/20/06 10:32	101.9	100.1	101.3	98.0	101.4	98.1	☑
18	H4XGK	05/20/06 10:36	103.8	103.2	102.1	101.0	102.1	101.2	☑
19	H4XGN	05/20/06 10:39	101.7	103.7	100.0	100.9	100.1	101.0	☑
20	H4XGP	05/20/06 10:43	105.1	103.5	103.3	100.9	103.5	101.0	☑
21	H4XGQ	05/20/06 10:47	103.8	104.0	102.1	101.2	102.3	101.3	☑
22	H4XGR	05/20/06 10:50	102.9	104.4	101.1	101.3	101.2	101.8	☑
23	H4XGW	05/20/06 10:54	101.9	103.7	100.3	100.9	100.5	101.0	☑
24	H4XGX	05/20/06 10:57	104.7	104.7	102.3	100.9	102.1	100.9	☑
25	H4XG0	05/20/06 11:01	104.6	108.3	102.7	104.6	102.5	104.6	☑
26	H4XG7	05/20/06 11:05	105.1	104.9	102.9	101.2	103.0	101.4	☑
27	H4XG8	05/20/06 11:08	104.2	104.9	102.1	103.3	102.1	103.2	☑
28	CCV	05/20/06 11:12	94.3	99.9	98.0	99.1	95.7	98.8	☑
29	CCB	05/20/06 11:15	100.4	101.5	99.8	99.8	99.9	99.9	☑
30	H4XG9	05/20/06 11:18	105.4	105.2	103.0	102.0	103.0	102.2	☑
31	H4XHA	05/20/06 11:22	104.4	104.9	102.0	101.3	102.1	101.4	☑
32	H4XHD	05/20/06 11:26	102.0	104.3	100.6	101.0	100.9	101.5	☑
33	CCV	05/20/06 11:31	94.6	99.2	96.5	98.4	95.9	98.0	☑
34	CCB	05/20/06 11:34	101.8	101.5	101.0	99.0	101.1	99.3	☑

STL Sacramento

ICP Data Review Checklist

SEVERN TRENT STL

Run/Project Information:

Run Date: 05/20/06 **Analyst:** AWONG **Instrument:** P05

Prep Batches Run: 6135196

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:** 05/20/06

Comments:

2nd Level Reviewer : [illegible] **Date:** 5/22/06

Comments:

STL Sacramento

Method 6010B Instrument QC Standards

SEVERN TRENT SERVICES

Chemist: AWong

Run Date: 05/20/06

Type of Analysis: Trace ICP (AirTox)

Instrument ID: P05

Standard Expiration Dates Verified: 05/20/06

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	2696-17-1

QA – 416
ERS 2/1/01

5/20/2006 9:24:24 AM Hg ReAlign... Actual peak offset (nm): -0.007
Drift (nm): -0.000 Slit adjustment: -2

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	432487.9
-1.6	15.0	621895.0
-1.2	15.0	805034.1
-0.8	15.0	1002016.3
-0.4	15.0	1161730.8
0.0	15.0	1285119.1
0.4	15.0	1197261.1
0.8	15.0	1123759.9
1.2	15.0	936990.9
1.6	15.0	738503.1
2.0	15.0	557879.2
0.0	10.0	4766.1
0.0	10.5	23880.5
0.0	11.0	57318.7
0.0	11.5	99746.4
0.0	12.0	158418.2
0.0	12.5	350520.2
0.0	13.0	500778.9
0.0	13.5	665357.2
0.0	14.0	857243.6
0.0	14.5	1159395.0
0.0	15.0	1271391.2
0.0	15.5	1252290.6
0.0	16.0	1126025.6
0.0	16.5	856362.2
0.0	17.0	649248.2
0.0	17.5	498244.0
0.0	18.0	338415.2
0.0	18.5	230109.3
0.0	19.0	97029.7
0.0	19.5	52834.1
0.0	20.0	17977.8
-0.8	15.0	1026280.4
-0.4	15.0	1172434.5
0.0	15.0	1242569.7
0.4	15.0	1222296.0
0.8	15.0	1125258.2
0.0	13.0	559373.8
0.0	13.5	688338.5
0.0	14.0	864024.8
0.0	14.5	1183384.6
0.0	15.0	1247387.4
0.0	15.5	1284199.7
0.0	16.0	1147929.9
0.0	16.5	844891.3
0.0	17.0	640872.1

5/20/2006 9:27:18 AM aligned for analyte Mn 257.610
X viewing position set to 0.0 mm having Peak intensity 1284199.7 for Axial viewing
Y viewing position set to 15.5 mm having Peak intensity 1284199.7 for Axial viewing

Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	110.3
-6.5	15.0	149.5
-6.0	15.0	231.7
-5.5	15.0	327.6
-5.0	15.0	408.9
-4.5	15.0	617.6
-4.0	15.0	1307.7
-3.5	15.0	2905.0

-3.0	15.0	6444.9
-2.5	15.0	11591.3
-2.0	15.0	14293.6
-1.5	15.0	13483.7
-1.0	15.0	29735.4
-0.5	15.0	54676.3
0.0	15.0	60123.8
0.5	15.0	60191.4
1.0	15.0	52125.7
1.5	15.0	42212.2
2.0	15.0	32261.8
2.5	15.0	20716.2
3.0	15.0	10180.8
3.5	15.0	3696.6
4.0	15.0	2972.9
4.5	15.0	1801.5
5.0	15.0	771.6
5.5	15.0	382.6
6.0	15.0	264.3
6.5	15.0	220.9
7.0	15.0	191.2

5/20/2006 9:29:23 AM aligned for analyte Mn 257.610
X viewing position set to 0.5 mm having Peak intensity 60191.4 for Radial viewing

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

Autosampler Location: 5
Date Collected: 5/20/2006 9:39:07 AM
Data Type: Reprocessed on 5/20/2006 11:46:10 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Blank_1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	415245.1	2733.04	0.66%	100.00	%
In Radial	10662.9	52.66	0.49%	100.00	%
Y_ Axial	1552300.3	8971.41	0.58%	100.00	%
Y_ Radial	93496.5	2422.67	2.59%	100.00	%
Sc Axial	1725180.3	8828.51	0.51%	100.00	%
Sc Radial	99250.0	2590.61	2.61%	100.00	%
Al_1 396.153 R†	103.4	16.66	16.12%	[0.00]	mg/L
Al_2 308.215 R†	39.1	5.50	14.08%	[0.00]	mg/L
Ca 315.887 R†	-297.5	19.41	6.53%	[0.00]	mg/L
Fe_1 273.955†	8.2	1.50	18.35%	[0.00]	mg/L
Fe_2 238.863 R†	28.6	2.17	7.60%	[0.00]	mg/L
Mg 279.077 R†	-87.8	3.03	3.45%	[0.00]	mg/L
Na_1 589.592 R†	-216.8	50.01	23.07%	[0.00]	mg/L
Na_2 330.237 R†	26.8	25.23	94.01%	[0.00]	mg/L
Zn 206.200†	28.7	1.03	3.57%	[0.00]	mg/L

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

Autosampler Location: 2
Date Collected: 5/20/2006 9:42:51 AM
Data Type: Reprocessed on 5/20/2006 11:46:11 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Std_1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	373816.1	1689.03	0.45%	90.023	%
In Radial	10318.5	14.85	0.14%	96.770	%
Y_ Axial	1446500.3	7760.52	0.54%	93.184	%
Y_ Radial	89979.2	498.30	0.55%	96.238	%
Sc Axial	1624624.3	8862.13	0.55%	94.171	%
Sc Radial	96047.0	556.18	0.58%	96.773	%
Al_1 396.153 R†	366510.3	10767.91	2.94%	[50]	mg/L
Al_2 308.215 R†	95534.3	25.00	0.03%	[50]	mg/L
Ca 315.887 R†	405719.0	15055.32	3.71%	[50]	mg/L
Fe_1 273.955†	2378336.6	1104.04	0.05%	[50]	mg/L
Fe_2 238.863 R†	27261.1	39.65	0.15%	[50]	mg/L
Mg 279.077 R†	52846.9	37.04	0.07%	[50]	mg/L
Na_1 589.592 R†	412386.1	11558.65	2.80%	[50]	mg/L
Na_2 330.237 R†	2459.8	42.01	1.71%	[50]	mg/L
Zn 206.200†	157912.5	16.13	0.01%	[5.0]	mg/L

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

Autosampler Location: 3
Date Collected: 5/20/2006 9:45:11 AM
Data Type: Reprocessed on 5/20/2006 11:46:11 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Std_2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	331330.8	3447.14	1.04%	79.792	%
In Radial	9423.9	186.99	1.98%	88.380	%
Y_ Axial	1340729.3	15977.37	1.19%	86.370	%
Y_ Radial	84639.8	588.83	0.70%	90.527	%
Sc Axial	1511335.4	17379.68	1.15%	87.604	%
Sc Radial	90859.0	975.47	1.07%	91.546	%
Al_2 308.215 R†	486537.7	413.18	0.08%	[250]	mg/L
Ca 315.887 R†	2011260.7	3294.19	0.16%	[250]	mg/L
Fe_2 238.863 R†	136623.6	135.54	0.10%	[250]	mg/L
Mg 279.077 R†	261625.5	437.29	0.17%	[250]	mg/L
Na_1 589.592 R†	2114632.6	3328.54	0.16%	[250]	mg/L
Na_2 330.237 R†	11643.1	199.72	1.72%	[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	7330	0.00000	1.000000	
Al_2 308.215 R	2	Lin Thru 0	0.0	1945	0.00000	0.999994	
Ca 315.887 R	2	Lin Thru 0	0.0	8048	0.00000	0.999999	
Fe_1 273.955	1	Lin Thru 0	0.0	47570	0.00000	1.000000	
Fe_2 238.863 R	2	Lin Thru 0	0.0	546.4	0.00000	1.000000	
Mg 279.077 R	2	Lin Thru 0	0.0	1047	0.00000	0.999998	
Na_1 589.592 R	2	Lin Thru 0	0.0	8450	0.00000	0.999988	
Na_2 330.237 R	2	Lin Thru 0	0.0	46.67	0.00000	0.999942	
Zn 206.200	1	Lin Thru 0	0.0	31580	0.00000	1.000000	

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

Autosampler Location: 10
Date Collected: 5/20/2006 9:47:34 AM
Data Type: Reprocessed on 5/20/2006 11:46:12 AM
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	407240.6	98.072	%	0.3845				0.39%
In Radial	10465.8	98.152	%	0.8327				0.85%
Y_ Axial	1497212.0	96.451	%	0.1703				0.18%
Y_ Radial	90326.9	96.610	%	0.2394				0.25%
Sc Axial	1677050.9	97.210	%	0.1309				0.13%
Sc Radial	96566.0	97.296	%	0.2656				0.27%
Al_1 396.153 R†	73213.6	9.9879	mg/L	0.05936	9.9879	mg/L	0.05936	0.59%
Al_2 308.215 R†	19088.2	9.8150	mg/L	0.04235	9.8150	mg/L	0.04235	0.43%
Ca 315.887 R†	80027.8	9.9442	mg/L	0.04784	9.9442	mg/L	0.04784	0.48%
Fe_1 273.955†	494094.8	10.387	mg/L	0.0481	10.387	mg/L	0.0481	0.46%
Fe_2 238.863 R†	5457.8	9.9878	mg/L	0.06865	9.9878	mg/L	0.06865	0.69%
Mg 279.077 R†	10456.7	9.9882	mg/L	0.05019	9.9882	mg/L	0.05019	0.50%
Na_1 589.592 R†	83596.6	9.8926	mg/L	0.01419	9.8926	mg/L	0.01419	0.14%
Na_2 330.237 R†	554.3	11.297	mg/L	0.1709	11.297	mg/L	0.1709	1.51%
Zn 206.200†	31758.6	1.0056	mg/L	0.00763	1.0056	mg/L	0.00763	0.76%

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

Autosampler Location: 12
Date Collected: 5/20/2006 9:49:58 AM
Data Type: Reprocessed on 5/20/2006 11:46:13 AM
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	418364.4	100.75	%	0.258				0.26%
In Radial	10607.0	99.476	%	2.3839				2.40%
Y_ Axial	1561357.3	100.58	%	0.020				0.02%
Y_ Radial	92247.1	98.664	%	2.5343				2.57%
Sc Axial	1738030.6	100.74	%	0.119				0.12%
Sc Radial	97919.1	98.659	%	2.5491				2.58%
Al_1 396.153 R†	2.8	0.00039	mg/L	0.005192	0.00039	mg/L	0.005192	>999.9%
Al_2 308.215 R†	1.5	0.00077	mg/L	0.000342	0.00077	mg/L	0.000342	44.44%
Ca 315.887 R†	-9.4	-0.00117	mg/L	0.002089	-0.00117	mg/L	0.002089	178.00%
Fe_1 273.955†	148.4	0.00312	mg/L	0.001146	0.00312	mg/L	0.001146	36.73%
Fe_2 238.863 R†	1.9	0.00341	mg/L	0.003819	0.00341	mg/L	0.003819	112.01%
Mg 279.077 R†	15.1	0.01442	mg/L	0.004943	0.01442	mg/L	0.004943	34.27%
Na_1 589.592 R†	1547.0	0.18307	mg/L	0.014486	0.18307	mg/L	0.014486	7.91%
Na_2 330.237 R†	26.3	0.56384	mg/L	0.246628	0.56384	mg/L	0.246628	43.74%
Zn 206.200†	2.3	0.00007	mg/L	0.000155	0.00007	mg/L	0.000155	213.85%

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

Autosampler Location: 38
Date Collected: 5/20/2006 9:53:32 AM
Data Type: Reprocessed on 5/20/2006 11:46:13 AM
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	410762.2	98.920	%	0.1265				0.13%
In Radial	10685.0	100.21	%	0.452				0.45%
Y_ Axial	1526138.3	98.315	%	0.2065				0.21%
Y_ Radial	93879.0	100.41	%	0.227				0.23%
Sc Axial	1696656.6	98.347	%	0.1779				0.18%
Sc Radial	99433.2	100.18	%	0.214				0.21%
Al_1 396.153 R†	702.8	0.09588	mg/L	0.000766	115.10	mg/L	0.920	0.80%
Al_2 308.215 R†	193.3	0.09938	mg/L	0.010656	119.31	mg/L	12.793	10.72%
Ca 315.887 R†	771.7	0.09589	mg/L	0.001436	115.11	mg/L	1.724	1.50%
Fe_1 273.955†	1295.1	0.02723	mg/L	0.000162	32.685	mg/L	0.1941	0.59%
Fe_2 238.863 R†	16.1	0.02948	mg/L	0.003061	35.395	mg/L	3.6747	10.38%
Mg 279.077 R†	111.0	0.10605	mg/L	0.000955	127.31	mg/L	1.146	0.90%
Na_1 589.592 R†	2940.5	0.34797	mg/L	0.005480	417.73	mg/L	6.578	1.57%
Na_2 330.237 R†	36.0	0.76698	mg/L	0.155062	920.74	mg/L	186.149	20.22%
Zn 206.200†	214.3	0.00678	mg/L	0.000102	8.1442	mg/L	0.12303	1.51%

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

Autosampler Location: 14
Date Collected: 5/20/2006 9:57:06 AM
Data Type: Reprocessed on 5/20/2006 11:46:14 AM
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	324050.7	78.038	%	0.3460				0.44%
In Radial	9255.2	86.798	%	3.3108				3.81%
Y_ Axial	1298124.4	83.626	%	0.3667				0.44%
Y_ Radial	83596.0	89.411	%	0.6820				0.76%
Sc Axial	1450175.9	84.059	%	0.3943				0.47%
Sc Radial	89013.6	89.686	%	0.7155				0.80%
Al_1 396.153 R†	3676647.7	501.57	mg/L	9.643	501.57	mg/L	9.643	1.92%
Al_2 308.215 R†	962623.8	494.98	mg/L	1.444	494.98	mg/L	1.444	0.29%
Ca 315.887 R†	3831322.4	476.08	mg/L	0.693	476.08	mg/L	0.693	0.15%
Fe_1 273.955†	9135913.3	192.07	mg/L	5.209	192.07	mg/L	5.209	2.71%
Fe_2 238.863 R†	101409.6	185.58	mg/L	4.639	185.58	mg/L	4.639	2.50%
Mg 279.077 R†	499453.0	477.08	mg/L	1.142	477.08	mg/L	1.142	0.24%
Na_1 589.592 R†	934.2	0.11055	mg/L	0.006601	0.11055	mg/L	0.006601	5.97%
Na_2 330.237 R†	46.1	-0.57837	mg/L	1.006589	-0.57837	mg/L	1.006589	174.04%
Zn 206.200†	237.0	0.00751	mg/L	0.000535	0.00751	mg/L	0.000535	7.13%

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

Autosampler Location: 15
Date Collected: 5/20/2006 9:59:38 AM
Data Type: Reprocessed on 5/20/2006 11:46:15 AM
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	329738.3	79.408	%	0.5157				0.65%
In Radial	9425.5	88.395	%	1.3472				1.52%
Y_ Axial	1317063.8	84.846	%	1.1895				1.40%
Y_ Radial	84915.2	90.822	%	1.0085				1.11%
Sc Axial	1472088.1	85.330	%	1.1801				1.38%
Sc Radial	90256.2	90.938	%	1.1790				1.30%
Al_1 396.153 R†	3637417.8	496.22	mg/L	7.390	496.22	mg/L	7.390	1.49%
Al_2 308.215 R†	959851.8	493.55	mg/L	0.660	493.55	mg/L	0.660	0.13%
Ca 315.887 R†	3844295.8	477.69	mg/L	1.746	477.69	mg/L	1.746	0.37%
Fe_1 273.955†	8779860.0	184.58	mg/L	2.712	184.58	mg/L	2.712	1.47%
Fe_2 238.863 R†	101716.5	186.14	mg/L	5.107	186.14	mg/L	5.107	2.74%
Mg 279.077 R†	500800.1	478.36	mg/L	0.569	478.36	mg/L	0.569	0.12%
Na_1 589.592 R†	721.0	0.08532	mg/L	0.004066	0.08532	mg/L	0.004066	4.77%
Na_2 330.237 R†	62.9	-0.78379	mg/L	1.053360	-0.78379	mg/L	1.053360	134.39%
Zn 206.200†	31235.4	0.98901	mg/L	0.003838	0.98901	mg/L	0.003838	0.39%

Sequence No.: 9
Sample ID: FB1815158
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 5/20/2006 10:06:14 AM
Data Type: Reprocessed on 5/20/2006 11:46:16 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: FB1815158

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	422575.0	101.77	%	0.434				0.43%
In Radial	11085.5	103.96	%	0.255				0.25%
Y_ Axial	1563858.2	100.74	%	0.625				0.62%
Y_ Radial	94802.6	101.40	%	2.015				1.99%
Sc Axial	1734249.5	100.53	%	0.528				0.52%
Sc Radial	100541.0	101.30	%	1.962				1.94%
Al_1 396.153 R†	103.7	0.01414	mg/L	0.002215	16.981	mg/L	2.6585	15.66%
Al_2 308.215 R†	31.9	0.01640	mg/L	0.002914	19.688	mg/L	3.4982	17.77%
Ca 315.887 R†	1828.7	0.22724	mg/L	0.001582	272.79	mg/L	1.899	0.70%
Fe_1 273.955†	759.6	0.01597	mg/L	0.000379	19.171	mg/L	0.4553	2.38%
Fe_2 238.863 R†	12.2	0.02224	mg/L	0.004824	26.696	mg/L	5.7908	21.69%
Mg 279.077 R†	41.6	0.03972	mg/L	0.002045	47.685	mg/L	2.4551	5.15%
Na_1 589.592 R†	4322.1	0.51146	mg/L	0.025739	614.00	mg/L	30.899	5.03%
Na_2 330.237 R†	25.9	0.55177	mg/L	0.668331	662.39	mg/L	802.318	121.12%
Zn 206.200†	82.7	0.00262	mg/L	0.000092	3.1438	mg/L	0.11058	3.52%

Sequence No.: 10
Sample ID: H5DW6B
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 5/20/2006 10:09:50 AM
Data Type: Reprocessed on 5/20/2006 11:46:17 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5DW6B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	423580.1	102.01	%	1.415				1.39%
In Radial	10933.1	102.53	%	0.194				0.19%
Y_ Axial	1570655.9	101.18	%	1.296				1.28%
Y_ Radial	93381.8	99.877	%	2.8717				2.88%
Sc Axial	1742091.1	100.98	%	1.280				1.27%
Sc Radial	98819.5	99.566	%	2.8500				2.86%
Al_1 396.153 R†	5.8	0.00079	mg/L	0.000005	0.94918	mg/L	0.005995	0.63%
Al_2 308.215 R†	3.1	0.00162	mg/L	0.001247	1.9404	mg/L	1.49757	77.18%
Ca 315.887 R†	34.5	0.00429	mg/L	0.000599	5.1527	mg/L	0.71857	13.95%
Fe_1 273.955†	76.9	0.00162	mg/L	0.000124	1.9415	mg/L	0.14906	7.68%
Fe_2 238.863 R†	-4.8	-0.00883	mg/L	0.001436	-10.605	mg/L	1.7235	16.25%
Mg 279.077 R†	9.4	0.00897	mg/L	0.004185	10.766	mg/L	5.0238	46.67%
Na_1 589.592 R†	290.3	0.03435	mg/L	0.022262	41.235	mg/L	26.7248	64.81%
Na_2 330.237 R†	35.5	0.76007	mg/L	0.720358	912.45	mg/L	864.776	94.77%
Zn 206.200†	50.0	0.00158	mg/L	0.000078	1.9013	mg/L	0.09319	4.90%

Sequence No.: 11
Sample ID: H5DW6C
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 5/20/2006 10:13:23 AM
Data Type: Reprocessed on 5/20/2006 11:46:18 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5DW6C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	393267.3	94.707	%	0.5200				0.55%
In Radial	10642.0	99.803	%	0.6839				0.69%
Y_ Axial	1503058.2	96.828	%	1.4053				1.45%
Y_ Radial	90206.3	96.481	%	1.2251				1.27%
Sc Axial	1682978.9	97.554	%	1.4342				1.47%
Sc Radial	96633.6	97.364	%	1.2101				1.24%
Al_1 396.153 R†	14410.5	1.9659	mg/L	0.00182	2360.0	mg/L	2.18	0.09%
Al_2 308.215 R†	3728.3	1.9171	mg/L	0.01442	2301.4	mg/L	17.31	0.75%
Ca 315.887 R†	376528.2	46.787	mg/L	0.0194	56167	mg/L	23.3	0.04%
Fe_1 273.955†	46924.8	0.98650	mg/L	0.019938	1184.3	mg/L	23.93	2.02%
Fe_2 238.863 R†	555.5	1.0166	mg/L	0.00247	1220.4	mg/L	2.96	0.24%
Mg 279.077 R†	49236.1	47.030	mg/L	0.0836	56459	mg/L	100.3	0.18%
Na_1 589.592 R†	388974.3	46.030	mg/L	0.1608	55258	mg/L	193.0	0.35%
Na_2 330.237 R†	2247.4	47.647	mg/L	0.2455	57199	mg/L	294.8	0.52%
Zn 206.200†	15161.8	0.48007	mg/L	0.007229	576.31	mg/L	8.679	1.51%

Sequence No.: 12
Sample ID: H5DW6L
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 5/20/2006 10:16:21 AM
Data Type: Reprocessed on 5/20/2006 11:46:19 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H5DW6L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	391557.3	94.295	%	1.1075				1.17%
In Radial	10671.7	100.08	%	0.505				0.50%
Y_ Axial	1502482.8	96.791	%	1.0948				1.13%
Y_ Radial	92041.4	98.444	%	1.6449				1.67%
Sc Axial	1683701.3	97.596	%	1.1407				1.17%
Sc Radial	98640.6	99.386	%	1.4125				1.42%
Al_1 396.153 R†	14306.1	1.9517	mg/L	0.01920	2342.9	mg/L	23.05	0.98%
Al_2 308.215 R†	3650.7	1.8772	mg/L	0.05178	2253.5	mg/L	62.16	2.76%
Ca 315.887 R†	375358.5	46.642	mg/L	0.0050	55992	mg/L	6.0	0.01%
Fe_1 273.955†	46354.5	0.97452	mg/L	0.000236	1169.9	mg/L	0.28	0.02%
Fe_2 238.863 R†	539.9	0.98797	mg/L	0.027469	1186.0	mg/L	32.98	2.78%
Mg 279.077 R†	48917.7	46.726	mg/L	0.0442	56094	mg/L	53.1	0.09%
Na_1 589.592 R†	386419.7	45.728	mg/L	0.1769	54895	mg/L	212.3	0.39%
Na_2 330.237 R†	2190.6	46.436	mg/L	1.3870	55745	mg/L	1665.1	2.99%
Zn 206.200†	14903.1	0.47188	mg/L	0.000583	566.48	mg/L	0.700	0.12%

Sequence No.: 13
Sample ID: H4XGJ
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 5/20/2006 10:19:48 AM
Data Type: Reprocessed on 5/20/2006 11:46:20 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H4XGJ

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	428547.9	103.20	%	0.817				0.79%
In Radial	11211.0	105.14	%	1.803				1.71%
Y_ Axial	1579667.4	101.76	%	0.743				0.73%
Y_ Radial	95886.0	102.56	%	1.628				1.59%
Sc Axial	1753684.3	101.65	%	0.809				0.80%
Sc Radial	101612.5	102.38	%	1.709				1.67%
Al_1 396.153 R†	1459.4	0.19909	mg/L	0.002310	239.00	mg/L	2.773	1.16%
Al_2 308.215 R†	386.4	0.19871	mg/L	0.010749	238.54	mg/L	12.904	5.41%
Ca 315.887 R†	5039.9	0.62626	mg/L	0.012593	751.81	mg/L	15.118	2.01%
Fe_1 273.955†	11100.8	0.23337	mg/L	0.002316	280.16	mg/L	2.780	0.99%
Fe_2 238.863 R†	122.7	0.22448	mg/L	0.009166	269.49	mg/L	11.003	4.08%
Mg 279.077 R†	193.0	0.18440	mg/L	0.006562	221.37	mg/L	7.877	3.56%
Na_1 589.592 R†	8635.0	1.0218	mg/L	0.01604	1226.7	mg/L	19.26	1.57%
Na_2 330.237 R†	33.0	0.70072	mg/L	1.499352	841.20	mg/L	1799.942	213.97%
Zn 206.200†	210.0	0.00665	mg/L	0.000219	7.9840	mg/L	0.26268	3.29%

Sequence No.: 14
Sample ID: H4XGJP5
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 5/20/2006 10:23:25 AM
Data Type: Reprocessed on 5/20/2006 11:46:21 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H4XGJP5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	414258.2	99.762	%	1.0098				1.01%
In Radial	10744.4	100.76	%	0.098				0.10%
Y_ Axial	1541037.4	99.274	%	0.8987				0.91%
Y_ Radial	94452.3	101.02	%	1.173				1.16%
Sc Axial	1713064.7	99.298	%	0.8617				0.87%
Sc Radial	100134.0	100.89	%	1.345				1.33%
Al_1 396.153 R†	317.3	0.04329	mg/L	0.003486	51.969	mg/L	4.1847	8.05%
Al_2 308.215 R†	68.7	0.03534	mg/L	0.005756	42.424	mg/L	6.9096	16.29%
Ca 315.887 R†	1025.2	0.12739	mg/L	0.000803	152.93	mg/L	0.964	0.63%
Fe_1 273.955†	2451.9	0.05155	mg/L	0.000227	61.880	mg/L	0.2727	0.44%
Fe_2 238.863 R†	24.6	0.04500	mg/L	0.004276	54.018	mg/L	5.1333	9.50%
Mg 279.077 R†	46.6	0.04448	mg/L	0.000607	53.396	mg/L	0.7288	1.36%
Na_1 589.592 R†	1714.5	0.20289	mg/L	0.003361	243.57	mg/L	4.035	1.66%
Na_2 330.237 R†	-13.4	-0.29015	mg/L	2.451554	-348.31	mg/L	2943.042	844.94%
Zn 206.200†	146.4	0.00463	mg/L	0.000023	5.5640	mg/L	0.02764	0.50%

Sequence No.: 15
Sample ID: H4XGJZ
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 5/20/2006 10:27:00 AM
Data Type: Reprocessed on 5/20/2006 11:46:22 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H4XGJZ

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	394458.9	94.994	%	0.5879				0.62%
In Radial	10655.4	99.930	%	0.1837				0.18%
Y_ Axial	1496086.7	96.379	%	0.2830				0.29%
Y_ Radial	91524.8	97.891	%	0.0926				0.09%
Sc Axial	1675828.5	97.139	%	0.2644				0.27%
Sc Radial	97993.6	98.734	%	0.2498				0.25%
Al_1 396.153 R†	16688.6	2.2767	mg/L	0.00360	2733.1	mg/L	4.32	0.16%
Al_2 308.215 R†	4287.2	2.2045	mg/L	0.01000	2646.4	mg/L	12.01	0.45%
Ca 315.887 R†	403999.3	50.201	mg/L	0.0269	60265	mg/L	32.3	0.05%
Fe_1 273.955†	60676.4	1.2756	mg/L	0.00176	1531.3	mg/L	2.12	0.14%
Fe_2 238.863 R†	693.3	1.2687	mg/L	0.01342	1523.1	mg/L	16.10	1.06%
Mg 279.077 R†	52570.0	50.215	mg/L	0.0613	60282	mg/L	73.5	0.12%
Na_1 589.592 R†	441294.2	52.222	mg/L	0.1755	62691	mg/L	210.7	0.34%
Na_2 330.237 R†	2482.3	52.639	mg/L	0.1785	63192	mg/L	214.3	0.34%
Zn 206.200†	16470.4	0.52150	mg/L	0.002566	626.06	mg/L	3.081	0.49%

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

Autosampler Location: 7
Date Collected: 5/20/2006 10:30:29 AM
Data Type: Reprocessed on 5/20/2006 11:46:23 AM
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	393140.0	94.677	%	2.3778				2.51%
In Radial	10685.8	100.21	%	2.273				2.27%
Y_ Axial	1489896.3	95.980	%	2.2252				2.32%
Y_ Radial	92522.3	98.958	%	2.3904				2.42%
Sc Axial	1673060.5	96.979	%	0.2750				0.28%
Sc Radial	98727.3	99.473	%	2.1923				2.20%
Al_1 396.153 R†	184387.3	25.154	mg/L	0.6232	25.154	mg/L	0.6232	2.48%
Al_2 308.215 R†	48069.9	24.717	mg/L	0.1108	24.717	mg/L	0.1108	0.45%
Ca 315.887 R†	207759.6	25.816	mg/L	0.5200	25.816	mg/L	0.5200	2.01%
Fe_1 273.955†	1219473.1	25.637	mg/L	0.1387	25.637	mg/L	0.1387	0.54%
Fe_2 238.863 R†	13927.4	25.487	mg/L	0.1654	25.487	mg/L	0.1654	0.65%
Mg 279.077 R†	26990.3	25.781	mg/L	0.0679	25.781	mg/L	0.0679	0.26%
Na_1 589.592 R†	208396.0	24.661	mg/L	0.5131	24.661	mg/L	0.5131	2.08%
Na_2 330.237 R†	1241.0	25.094	mg/L	0.1817	25.094	mg/L	0.1817	0.72%
Zn 206.200†	81839.7	2.5913	mg/L	0.02557	2.5913	mg/L	0.02557	0.99%

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

Autosampler Location: 5
Date Collected: 5/20/2006 10:32:49 AM
Data Type: Reprocessed on 5/20/2006 11:46:24 AM
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	423133.9	101.90	%	2.026				1.99%
In Radial	10672.1	100.09	%	0.163				0.16%
Y_ Axial	1573547.4	101.37	%	2.214				2.18%
Y_ Radial	91717.6	98.097	%	2.1586				2.20%
Sc Axial	1746998.8	101.26	%	2.125				2.10%
Sc Radial	97269.2	98.004	%	2.0029				2.04%
Al_1 396.153 R†	-50.7	-0.00692	mg/L	0.003657	-0.00692	mg/L	0.003657	52.87%
Al_2 308.215 R†	5.3	0.00274	mg/L	0.004114	0.00274	mg/L	0.004114	150.42%
Ca 315.887 R†	-2.2	-0.00028	mg/L	0.000686	-0.00028	mg/L	0.000686	247.56%
Fe_1 273.955†	96.4	0.00203	mg/L	0.000093	0.00203	mg/L	0.000093	4.58%
Fe_2 238.863 R†	4.6	0.00847	mg/L	0.007463	0.00847	mg/L	0.007463	88.12%
Mg 279.077 R†	12.5	0.01195	mg/L	0.005026	0.01195	mg/L	0.005026	42.04%
Na_1 589.592 R†	492.4	0.05827	mg/L	0.007947	0.05827	mg/L	0.007947	13.64%
Na_2 330.237 R†	74.8	1.6033	mg/L	0.01338	1.6033	mg/L	0.01338	0.83%
Zn 206.200†	10.0	0.00032	mg/L	0.000154	0.00032	mg/L	0.000154	48.37%

Sequence No.: 18
Sample ID: H4XGK
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 5/20/2006 10:36:24 AM
Data Type: Reprocessed on 5/20/2006 11:46:25 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H4XGK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	431168.8	103.83	%	1.155				1.11%
In Radial	11008.6	103.24	%	1.130				1.09%
Y_ Axial	1585103.2	102.11	%	1.012				0.99%
Y_ Radial	94575.9	101.15	%	0.683				0.68%
Sc Axial	1761489.2	102.10	%	1.165				1.14%
Sc Radial	100205.0	100.96	%	0.522				0.52%
Al_1 396.153 R†	1495.4	0.20401	mg/L	0.001919	244.91	mg/L	2.304	0.94%
Al_2 308.215 R†	387.0	0.19898	mg/L	0.002422	238.87	mg/L	2.907	1.22%
Ca 315.887 R†	4866.9	0.60475	mg/L	0.000125	725.99	mg/L	0.150	0.02%
Fe_1 273.955†	10432.1	0.21931	mg/L	0.007972	263.28	mg/L	9.570	3.63%
Fe_2 238.863 R†	112.6	0.20607	mg/L	0.004280	247.38	mg/L	5.138	2.08%
Mg 279.077 R†	185.5	0.17715	mg/L	0.004426	212.66	mg/L	5.313	2.50%
Na_1 589.592 R†	8191.9	0.96941	mg/L	0.009318	1163.8	mg/L	11.19	0.96%
Na_2 330.237 R†	82.2	1.7542	mg/L	1.33932	2105.9	mg/L	1607.83	76.35%
Zn 206.200†	217.8	0.00690	mg/L	0.000020	8.2800	mg/L	0.02369	0.29%

Sequence No.: 19
Sample ID: H4XGN
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 5/20/2006 10:39:58 AM
Data Type: Reprocessed on 5/20/2006 11:46:26 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H4XGN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	422179.9	101.67	%	1.562				1.54%
In Radial	11060.3	103.73	%	0.368				0.36%
Y_ Axial	1553824.1	100.10	%	1.157				1.16%
Y_ Radial	94473.1	101.04	%	0.056				0.06%
Sc Axial	1725009.8	99.990	%	1.2911				1.29%
Sc Radial	100190.5	100.95	%	0.067				0.07%
Al_1 396.153 R†	1502.8	0.20502	mg/L	0.007664	246.12	mg/L	9.200	3.74%
Al_2 308.215 R†	380.3	0.19557	mg/L	0.002693	234.78	mg/L	3.233	1.38%
Ca 315.887 R†	5026.4	0.62457	mg/L	0.007452	749.79	mg/L	8.946	1.19%
Fe_1 273.955†	11369.7	0.23903	mg/L	0.001814	286.95	mg/L	2.177	0.76%
Fe_2 238.863 R†	121.4	0.22220	mg/L	0.001636	266.75	mg/L	1.964	0.74%
Mg 279.077 R†	209.7	0.20028	mg/L	0.003044	240.43	mg/L	3.655	1.52%
Na_1 589.592 R†	8371.6	0.99067	mg/L	0.005887	1189.3	mg/L	7.07	0.59%
Na_2 330.237 R†	97.4	2.0808	mg/L	0.47338	2498.0	mg/L	568.28	22.75%
Zn 206.200†	201.5	0.00638	mg/L	0.000060	7.6596	mg/L	0.07149	0.93%

Sequence No.: 20
Sample ID: H4XGP
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 5/20/2006 10:43:31 AM
Data Type: Reprocessed on 5/20/2006 11:46:27 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H4XGP

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	436447.9	105.11	%	0.342				0.33%
In Radial	11035.1	103.49	%	2.252				2.18%
Y_ Axial	1606253.8	103.48	%	0.345				0.33%
Y_ Radial	94455.3	101.03	%	2.447				2.42%
Sc Axial	1782766.6	103.34	%	0.369				0.36%
Sc Radial	100172.2	100.93	%	2.440				2.42%
Al_1 396.153 R†	1560.0	0.21281	mg/L	0.002822	255.48	mg/L	3.388	1.33%
Al_2 308.215 R†	419.7	0.21580	mg/L	0.007917	259.06	mg/L	9.504	3.67%
Ca 315.887 R†	5179.1	0.64355	mg/L	0.009005	772.57	mg/L	10.810	1.40%
Fe_1 273.955†	11876.3	0.24968	mg/L	0.002775	299.73	mg/L	3.331	1.11%
Fe_2 238.863 R†	140.3	0.25684	mg/L	0.006278	308.33	mg/L	7.537	2.44%
Mg 279.077 R†	216.2	0.20651	mg/L	0.003549	247.92	mg/L	4.261	1.72%
Na_1 589.592 R†	7721.6	0.91376	mg/L	0.004815	1096.9	mg/L	5.78	0.53%
Na_2 330.237 R†	25.1	0.53109	mg/L	0.401729	637.57	mg/L	482.268	75.64%
Zn 206.200†	279.2	0.00884	mg/L	0.000155	10.615	mg/L	0.1864	1.76%

Sequence No.: 21
Sample ID: H4XGQ
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 5/20/2006 10:47:05 AM
Data Type: Reprocessed on 5/20/2006 11:46:29 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H4XGQ

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	430937.9	103.78	%	1.575				1.52%
In Radial	11088.9	103.99	%	1.374				1.32%
Y_ Axial	1587397.5	102.26	%	1.517				1.48%
Y_ Radial	94732.2	101.32	%	1.349				1.33%
Sc Axial	1762173.9	102.14	%	1.564				1.53%
Sc Radial	100480.7	101.24	%	1.245				1.23%
Al_1 396.153 R†	1541.4	0.21028	mg/L	0.001843	252.44	mg/L	2.212	0.88%
Al_2 308.215 R†	400.8	0.20607	mg/L	0.008563	247.38	mg/L	10.280	4.16%
Ca 315.887 R†	5106.5	0.63453	mg/L	0.009471	761.74	mg/L	11.369	1.49%
Fe_1 273.955†	11366.8	0.23896	mg/L	0.004412	286.87	mg/L	5.296	1.85%
Fe_2 238.863 R†	133.4	0.24417	mg/L	0.009884	293.13	mg/L	11.865	4.05%
Mg 279.077 R†	217.7	0.20797	mg/L	0.003193	249.66	mg/L	3.833	1.54%
Na_1 589.592 R†	7982.6	0.94464	mg/L	0.013796	1134.0	mg/L	16.56	1.46%
Na_2 330.237 R†	58.5	1.2465	mg/L	0.18625	1496.4	mg/L	223.59	14.94%
Zn 206.200†	215.2	0.00682	mg/L	0.000121	8.1815	mg/L	0.14541	1.78%

Sequence No.: 22
Sample ID: H4XGR
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 5/20/2006 10:50:40 AM
Data Type: Reprocessed on 5/20/2006 11:46:29 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H4XGR

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
In Axial	427310.2	102.91	%	1.084				1.05%
In Radial	11132.9	104.41	%	0.696				0.67%
Y_ Axial	1571543.5	101.24	%	0.941				0.93%
Y_ Radial	95187.1	101.81	%	2.121				2.08%
Sc Axial	1744250.4	101.11	%	0.916				0.91%
Sc Radial	100553.4	101.31	%	2.185				2.16%
Al_1 396.153 R†	1340.5	0.18288	mg/L	0.005027	219.54	mg/L	6.034	2.75%
Al_2 308.215 R†	354.6	0.18234	mg/L	0.003771	218.90	mg/L	4.527	2.07%
Ca 315.887 R†	4738.9	0.58885	mg/L	0.009244	706.91	mg/L	11.098	1.57%
Fe_1 273.955†	10198.3	0.21440	mg/L	0.002579	257.38	mg/L	3.096	1.20%
Fe_2 238.863 R†	114.6	0.20971	mg/L	0.018606	251.75	mg/L	22.336	8.87%
Mg 279.077 R†	186.7	0.17833	mg/L	0.011645	214.09	mg/L	13.980	6.53%
Na_1 589.592 R†	7589.2	0.89809	mg/L	0.011894	1078.1	mg/L	14.28	1.32%
Na_2 330.237 R†	25.9	0.55054	mg/L	0.037287	660.91	mg/L	44.762	6.77%
Zn 206.200†	182.6	0.00578	mg/L	0.000115	6.9407	mg/L	0.13771	1.98%

Sequence No.: 23
Sample ID: H4XGW
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 5/20/2006 10:54:16 AM
Data Type: Reprocessed on 5/20/2006 11:46:33 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H4XGW

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	423300.5	101.94	%	0.890				0.87%
In Radial	11053.8	103.67	%	1.746				1.68%
Y_ Axial	1560755.9	100.54	%	0.856				0.85%
Y_ Radial	94445.7	101.02	%	1.825				1.81%
Sc Axial	1730744.5	100.32	%	0.845				0.84%
Sc Radial	100170.7	100.93	%	1.823				1.81%
Al_1 396.153 R†	1507.7	0.20568	mg/L	0.007502	246.92	mg/L	9.007	3.65%
Al_2 308.215 R†	419.7	0.21582	mg/L	0.020458	259.08	mg/L	24.560	9.48%
Ca 315.887 R†	5005.8	0.62201	mg/L	0.005361	746.72	mg/L	6.436	0.86%
Fe_1 273.955†	11329.3	0.23818	mg/L	0.000133	285.93	mg/L	0.159	0.06%
Fe_2 238.863 R†	128.4	0.23505	mg/L	0.003401	282.17	mg/L	4.083	1.45%
Mg 279.077 R†	203.1	0.19402	mg/L	0.012715	232.92	mg/L	15.265	6.55%
Na_1 589.592 R†	8344.5	0.98747	mg/L	0.009771	1185.4	mg/L	11.73	0.99%
Na_2 330.237 R†	67.1	1.4320	mg/L	0.00567	1719.1	mg/L	6.81	0.40%
Zn 206.200†	175.3	0.00555	mg/L	0.000280	6.6643	mg/L	0.33559	5.04%

Sequence No.: 24
Sample ID: H4XGX
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 5/20/2006 10:57:53 AM
Data Type: Reprocessed on 5/20/2006 11:46:33 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H4XGX

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	434644.8	104.67	%	3.055				2.92%
In Radial	11163.9	104.70	%	0.350				0.33%
Y_ Axial	1584806.5	102.09	%	2.864				2.81%
Y_ Radial	94357.1	100.92	%	4.280				4.24%
Sc Axial	1764615.9	102.29	%	2.862				2.80%
Sc Radial	100185.0	100.94	%	4.164				4.13%
Al_1 396.153 R†	4252.7	0.58016	mg/L	0.004225	696.47	mg/L	5.072	0.73%
Al_2 308.215 R†	1112.9	0.57227	mg/L	0.033540	686.99	mg/L	40.264	5.86%
Ca 315.887 R†	10711.8	1.3310	mg/L	0.00718	1597.9	mg/L	8.62	0.54%
Fe_1 273.955†	31819.7	0.66895	mg/L	0.004845	803.06	mg/L	5.817	0.72%
Fe_2 238.863 R†	356.7	0.65281	mg/L	0.042472	783.69	mg/L	50.987	6.51%
Mg 279.077 R†	486.2	0.46440	mg/L	0.000192	557.50	mg/L	0.230	0.04%
Na_1 589.592 R†	17268.9	2.0435	mg/L	0.01340	2453.2	mg/L	16.08	0.66%
Na_2 330.237 R†	120.8	2.5803	mg/L	0.24298	3097.5	mg/L	291.69	9.42%
Zn 206.200†	261.6	0.00828	mg/L	0.000029	9.9454	mg/L	0.03522	0.35%

Sequence No.: 25
Sample ID: H4XG0
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 5/20/2006 11:01:33 AM
Data Type: Reprocessed on 5/20/2006 11:46:34 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H4XG0

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	434179.1	104.56	%	1.953				1.87%
In Radial	11549.0	108.31	%	0.894				0.83%
Y_ Axial	1591449.4	102.52	%	1.901				1.85%
Y_ Radial	97836.4	104.64	%	1.017				0.97%
Sc Axial	1771015.4	102.66	%	1.920				1.87%
Sc Radial	103861.5	104.65	%	1.062				1.02%
Al_1 396.153 R†	2865.8	0.39095	mg/L	0.000468	469.33	mg/L	0.562	0.12%
Al_2 308.215 R†	709.1	0.36462	mg/L	0.002443	437.71	mg/L	2.932	0.67%
Ca 315.887 R†	8191.3	1.0178	mg/L	0.00023	1221.9	mg/L	0.27	0.02%
Fe_1 273.955†	20257.1	0.42587	mg/L	0.006155	511.24	mg/L	7.389	1.45%
Fe_2 238.863 R†	221.3	0.40503	mg/L	0.008428	486.23	mg/L	10.118	2.08%
Mg 279.077 R†	332.0	0.31711	mg/L	0.003511	380.68	mg/L	4.214	1.11%
Na_1 589.592 R†	12998.1	1.5382	mg/L	0.00197	1846.5	mg/L	2.37	0.13%
Na_2 330.237 R†	97.4	2.0805	mg/L	0.00519	2497.6	mg/L	6.23	0.25%
Zn 206.200†	220.4	0.00698	mg/L	0.000318	8.3781	mg/L	0.38210	4.56%

Sequence No.: 26
Sample ID: H4XG7
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 5/20/2006 11:05:08 AM
Data Type: Reprocessed on 5/20/2006 11:46:35 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H4XG7

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	436361.5	105.09	%	0.747				0.71%
In Radial	11180.4	104.85	%	0.595				0.57%
Y_ Axial	1598186.3	102.96	%	0.751				0.73%
Y_ Radial	94793.0	101.39	%	0.134				0.13%
Sc Axial	1775375.0	102.91	%	0.789				0.77%
Sc Radial	100483.4	101.24	%	0.238				0.23%
Al_1 396.153 R†	5054.0	0.68947	mg/L	0.322327	827.70	mg/L	386.948	46.75%
Al_2 308.215 R†	904.2	0.46491	mg/L	0.006202	558.12	mg/L	7.445	1.33%
Ca 315.887 R†	9505.8	1.1812	mg/L	0.00822	1418.0	mg/L	9.86	0.70%
Fe_1 273.955†	26648.3	0.56023	mg/L	0.000535	672.55	mg/L	0.643	0.10%
Fe_2 238.863 R†	294.1	0.53814	mg/L	0.004235	646.03	mg/L	5.084	0.79%
Mg 279.077 R†	419.5	0.40067	mg/L	0.015434	481.00	mg/L	18.528	3.85%
Na_1 589.592 R†	15049.6	1.7809	mg/L	0.00357	2138.0	mg/L	4.28	0.20%
Na_2 330.237 R†	94.5	2.0159	mg/L	0.53743	2420.0	mg/L	645.18	26.66%
Zn 206.200†	292.7	0.00927	mg/L	0.000021	11.125	mg/L	0.0249	0.22%

Sequence No.: 27
Sample ID: H4XG8
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 5/20/2006 11:08:44 AM
Data Type: Reprocessed on 5/20/2006 11:46:36 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H4XG8

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	432512.6	104.16	%	0.088				0.08%
In Radial	11188.3	104.93	%	0.148				0.14%
Y_ Axial	1584899.4	102.10	%	0.122				0.12%
Y_ Radial	96491.6	103.20	%	3.538				3.43%
Sc Axial	1760869.7	102.07	%	0.087				0.09%
Sc Radial	102506.8	103.28	%	3.321				3.22%
Al_1 396.153 R†	4262.1	0.58145	mg/L	0.010943	698.02	mg/L	13.136	1.88%
Al_2 308.215 R†	1073.8	0.55212	mg/L	0.013230	662.81	mg/L	15.882	2.40%
Ca 315.887 R†	10856.1	1.3490	mg/L	0.01337	1619.4	mg/L	16.05	0.99%
Fe_1 273.955†	32090.8	0.67465	mg/L	0.002178	809.90	mg/L	2.614	0.32%
Fe_2 238.863 R†	346.3	0.63380	mg/L	0.030742	760.86	mg/L	36.905	4.85%
Mg 279.077 R†	492.5	0.47045	mg/L	0.021399	564.77	mg/L	25.689	4.55%
Na_1 589.592 R†	14273.7	1.6891	mg/L	0.01257	2027.7	mg/L	15.09	0.74%
Na_2 330.237 R†	93.6	1.9920	mg/L	0.19604	2391.3	mg/L	235.34	9.84%
Zn 206.200†	492.5	0.01559	mg/L	0.000096	18.719	mg/L	0.1152	0.62%

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

Autosampler Location: 7
Date Collected: 5/20/2006 11:12:48 AM
Data Type: Reprocessed on 5/20/2006 11:46:37 AM
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	391408.9	94.260	%	2.4307				2.58%
In Radial	10650.8	99.886	%	0.2868				0.29%
Y_ Axial	1484944.0	95.661	%	2.3603				2.47%
Y_ Radial	92350.1	98.774	%	0.1627				0.16%
Sc Axial	1691143.8	98.027	%	2.0051				2.05%
Sc Radial	98352.5	99.096	%	0.2475				0.25%
Al_1 396.153 R†	179726.4	24.519	mg/L	0.2421	24.519	mg/L	0.2421	0.99%
Al_2 308.215 R†	47730.4	24.543	mg/L	0.0438	24.543	mg/L	0.0438	0.18%
Ca 315.887 R†	203445.7	25.280	mg/L	0.5179	25.280	mg/L	0.5179	2.05%
Fe_1 273.955†	1229149.4	25.841	mg/L	0.0410	25.841	mg/L	0.0410	0.16%
Fe_2 238.863 R†	13927.3	25.487	mg/L	0.0846	25.487	mg/L	0.0846	0.33%
Mg 279.077 R†	27061.5	25.849	mg/L	0.0104	25.849	mg/L	0.0104	0.04%
Na_1 589.592 R†	204464.2	24.196	mg/L	0.3612	24.196	mg/L	0.3612	1.49%
Na_2 330.237 R†	1257.5	25.429	mg/L	0.0133	25.429	mg/L	0.0133	0.05%
Zn 206.200†	82988.3	2.6277	mg/L	0.00002	2.6277	mg/L	0.00002	0.00%

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

Autosampler Location: 5
Date Collected: 5/20/2006 11:15:12 AM
Data Type: Reprocessed on 5/20/2006 11:46:39 AM
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	416921.8	100.40	%	2.811				2.80%
In Radial	10818.9	101.46	%	0.067				0.07%
Y_ Axial	1550754.9	99.900	%	2.5558				2.56%
Y_ Radial	93410.0	99.908	%	0.4668				0.47%
Sc Axial	1721214.9	99.770	%	2.6113				2.62%
Sc Radial	99036.2	99.785	%	0.3911				0.39%
Al_1 396.153 R†	-1.3	-0.00018	mg/L	0.001543	-0.00018	mg/L	0.001543	870.25%
Al_2 308.215 R†	0.5	0.00023	mg/L	0.004432	0.00023	mg/L	0.004432	>999.9%
Ca 315.887 R†	-17.2	-0.00214	mg/L	0.000303	-0.00214	mg/L	0.000303	14.12%
Fe_1 273.955†	120.3	0.00253	mg/L	0.000281	0.00253	mg/L	0.000281	11.12%
Fe_2 238.863 R†	-1.5	-0.00279	mg/L	0.009764	-0.00279	mg/L	0.009764	349.93%
Mg 279.077 R†	10.9	0.01040	mg/L	0.006377	0.01040	mg/L	0.006377	61.31%
Na_1 589.592 R†	132.7	0.01570	mg/L	0.006614	0.01570	mg/L	0.006614	42.12%
Na_2 330.237 R†	43.0	0.92036	mg/L	0.713126	0.92036	mg/L	0.713126	77.48%
Zn 206.200†	6.9	0.00022	mg/L	0.000113	0.00022	mg/L	0.000113	51.69%

Sequence No.: 30
Sample ID: H4XG9
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 5/20/2006 11:18:48 AM
Data Type: Reprocessed on 5/20/2006 11:46:39 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H4XG9

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	437494.4	105.36	%	1.593				1.51%
In Radial	11214.2	105.17	%	1.199				1.14%
Y_ Axial	1599271.9	103.03	%	1.576				1.53%
Y_ Radial	95541.5	102.19	%	0.021				0.02%
Sc Axial	1776561.7	102.98	%	1.526				1.48%
Sc Radial	101247.7	102.01	%	0.382				0.37%
Al_1 396.153 R†	4407.5	0.60127	mg/L	0.004425	721.82	mg/L	5.312	0.74%
Al_2 308.215 R†	1128.5	0.58029	mg/L	0.003968	696.63	mg/L	4.763	0.68%
Ca 315.887 R†	11552.5	1.4355	mg/L	0.00252	1723.3	mg/L	3.03	0.18%
Fe_1 273.955†	39202.5	0.82416	mg/L	0.001361	989.39	mg/L	1.634	0.17%
Fe_2 238.863 R†	443.4	0.81147	mg/L	0.014407	974.15	mg/L	17.296	1.78%
Mg 279.077 R†	464.4	0.44364	mg/L	0.022145	532.58	mg/L	26.584	4.99%
Na_1 589.592 R†	16070.1	1.9017	mg/L	0.01506	2282.9	mg/L	18.08	0.79%
Na_2 330.237 R†	130.9	2.7871	mg/L	0.26664	3345.9	mg/L	320.10	9.57%
Zn 206.200†	801.0	0.02536	mg/L	0.000518	30.446	mg/L	0.6217	2.04%

Sequence No.: 31
Sample ID: H4XHA
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 5/20/2006 11:22:23 AM
Data Type: Reprocessed on 5/20/2006 11:46:41 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H4XHA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	433405.8	104.37	%	0.964				0.92%
In Radial	11189.7	104.94	%	1.965				1.87%
Y_ Axial	1585408.1	102.13	%	0.839				0.82%
Y_ Radial	94774.4	101.37	%	1.697				1.67%
Sc Axial	1759056.3	101.96	%	0.784				0.77%
Sc Radial	100553.0	101.31	%	1.864				1.84%
Al_1 396.153 R†	3322.5	0.45326	mg/L	0.011688	544.12	mg/L	14.031	2.58%
Al_2 308.215 R†	866.7	0.44564	mg/L	0.006004	534.99	mg/L	7.208	1.35%
Ca 315.887 R†	8976.9	1.1155	mg/L	0.00308	1339.1	mg/L	3.69	0.28%
Fe_1 273.955†	24175.2	0.50824	mg/L	0.003011	610.13	mg/L	3.615	0.59%
Fe_2 238.863 R†	270.1	0.49431	mg/L	0.002864	593.40	mg/L	3.438	0.58%
Mg 279.077 R†	398.3	0.38046	mg/L	0.014869	456.73	mg/L	17.850	3.91%
Na_1 589.592 R†	16613.4	1.9660	mg/L	0.00279	2360.1	mg/L	3.34	0.14%
Na_2 330.237 R†	126.9	2.7097	mg/L	0.30741	3253.0	mg/L	369.04	11.34%
Zn 206.200†	282.9	0.00896	mg/L	0.000022	10.754	mg/L	0.0264	0.25%

Sequence No.: 32
Sample ID: H4XHD
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 5/20/2006 11:26:00 AM
Data Type: Reprocessed on 5/20/2006 11:46:42 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H4XHD

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
In Axial	423478.9	101.98	%	1.435				1.41%
In Radial	11116.2	104.25	%	0.643				0.62%
Y_ Axial	1565989.5	100.88	%	1.131				1.12%
Y_ Radial	94861.5	101.46	%	2.577				2.54%
Sc Axial	1735627.3	100.61	%	1.094				1.09%
Sc Radial	100249.7	101.01	%	2.472				2.45%
Al_1 396.153 R†	80.0	0.01092	mg/L	0.002774	13.104	mg/L	3.3306	25.42%
Al_2 308.215 R†	10.6	0.00543	mg/L	0.007371	6.5205	mg/L	8.84911	135.71%
Ca 315.887 R†	1652.6	0.20535	mg/L	0.006657	246.52	mg/L	7.991	3.24%
Fe_1 273.955†	639.3	0.01344	mg/L	0.000249	16.135	mg/L	0.2985	1.85%
Fe_2 238.863 R†	8.3	0.01516	mg/L	0.006951	18.204	mg/L	8.3443	45.84%
Mg 279.077 R†	36.3	0.03471	mg/L	0.010291	41.674	mg/L	12.3537	29.64%
Na_1 589.592 R†	3983.5	0.47140	mg/L	0.003619	565.91	mg/L	4.344	0.77%
Na_2 330.237 R†	50.1	1.0706	mg/L	0.43708	1285.2	mg/L	524.71	40.83%
Zn 206.200†	102.8	0.00325	mg/L	0.000063	3.9062	mg/L	0.07591	1.94%

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

Autosampler Location: 7
Date Collected: 5/20/2006 11:31:48 AM
Data Type: Reprocessed on 5/20/2006 11:46:44 AM
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	392784.9	94.591	%	1.2714				1.34%
In Radial	10581.4	99.235	%	1.1334				1.14%
Y_ Axial	1489409.8	95.949	%	1.1665				1.22%
Y_ Radial	91649.8	98.025	%	0.8912				0.91%
Sc Axial	1665336.6	96.531	%	2.0392				2.11%
Sc Radial	97702.8	98.441	%	0.6217				0.63%
Al_1 396.153 R†	183160.5	24.987	mg/L	0.2274	24.987	mg/L	0.2274	0.91%
Al_2 308.215 R†	48179.1	24.773	mg/L	0.0794	24.773	mg/L	0.0794	0.32%
Ca 315.887 R†	206763.9	25.692	mg/L	0.3977	25.692	mg/L	0.3977	1.55%
Fe_1 273.955†	1237171.8	26.009	mg/L	0.0572	26.009	mg/L	0.0572	0.22%
Fe_2 238.863 R†	13987.0	25.596	mg/L	0.0127	25.596	mg/L	0.0127	0.05%
Mg 279.077 R†	27096.7	25.883	mg/L	0.0324	25.883	mg/L	0.0324	0.13%
Na_1 589.592 R†	207301.5	24.531	mg/L	0.1927	24.531	mg/L	0.1927	0.79%
Na_2 330.237 R†	1298.4	26.295	mg/L	2.2401	26.295	mg/L	2.2401	8.52%
Zn 206.200†	83450.7	2.6423	mg/L	0.00771	2.6423	mg/L	0.00771	0.29%

Sequence No.: 34
Sample ID: CCB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/20/2006 11:34:10 AM
Data Type: Reprocessed on 5/20/2006 11:46:45 AM
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	422896.5	101.84	%	0.185				0.18%
In Radial	10820.9	101.48	%	0.165				0.16%
Y_ Axial	1569966.7	101.14	%	0.198				0.20%
Y_ Radial	92809.3	99.265	%	0.9785				0.99%
Sc Axial	1742682.6	101.01	%	0.182				0.18%
Sc Radial	98297.9	99.041	%	0.8880				0.90%
Al_1 396.153 R†	31.9	0.00436	mg/L	0.000037	0.00436	mg/L	0.000037	0.85%
Al_2 308.215 R†	7.5	0.00387	mg/L	0.002678	0.00387	mg/L	0.002678	69.14%
Ca 315.887 R†	-8.8	-0.00110	mg/L	0.000602	-0.00110	mg/L	0.000602	54.88%
Fe_1 273.955†	124.9	0.00263	mg/L	0.000514	0.00263	mg/L	0.000514	19.56%
Fe_2 238.863 R†	-3.0	-0.00556	mg/L	0.016190	-0.00556	mg/L	0.016190	291.02%
Mg 279.077 R†	11.8	0.01125	mg/L	0.003151	0.01125	mg/L	0.003151	28.01%
Na_1 589.592 R†	37.9	0.00449	mg/L	0.002566	0.00449	mg/L	0.002566	57.20%
Na_2 330.237 R†	31.0	0.66422	mg/L	0.393841	0.66422	mg/L	0.393841	59.29%
Zn 206.200†	8.2	0.00026	mg/L	0.000246	0.00026	mg/L	0.000246	94.76%

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 060515A1	Batch Numbers 6131060, 6124580, 6124604, 6132516	Date 5/15/06	Analyst BRJ

Lot Numbers G6D260271, G6E020266, G6D260252, G6E020171, G6E080132	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?	✓	*1	
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: *1. MB 6131060 out of control for Fe. (Samples 7 10x MB) NCM. BRJ 5/17/06

REVIEWED BY: NTZ DATE: 5/17/06	DATA ENTERED BY: BRJ DATE: 5/16/06

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

Dataset Report

Perkin Elmer ICPMS M01
SOP No. SAC-MT-0001
Method 6020
User Name: JonesB
Computer Name: SACP317A
Dataset File Path: c:\elandata\dataset\060515a1\
Report Date/Time: Tuesday, May 16, 2006 10:04:23

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Description
	TUNE BJONES	12:39:23 Mon 15-May-06	Sample	
	AUTOLENS BJONES	12:41:35 Mon 15-May-06	Sample	
	DAILY BJONES	12:45:04 Mon 15-May-06	Sample	
6131060	H3470 n.i.	14:33:39 Mon 15-May-06	Sample	G6D260271-3 N.I.
6131060	H4JJV n.i.	14:36:25 Mon 15-May-06	Sample	G6E020266-3 N.I.
6124580	H341E n.i.	14:39:12 Mon 15-May-06	Sample	G6D260252-1 N.I.
6124604	H4HK9 n.i.	14:41:59 Mon 15-May-06	Sample	G6E020171-1 N.I.
6132516	H4XGJ n.i.	14:44:47 Mon 15-May-06	Sample	G6E080132-1 N.I.
	Rinse 3X	14:53:05 Mon 15-May-06	Sample	
	Blank	14:57:42 Mon 15-May-06	Blank	
	Standard 1	15:02:12 Mon 15-May-06	Standard #1	
	ICV	15:06:28 Mon 15-May-06	Sample	
	ICB	15:10:48 Mon 15-May-06	Sample	
	ICSA	15:15:08 Mon 15-May-06	Sample	
	ICSAB	15:19:26 Mon 15-May-06	Sample	
	Rinse	15:27:37 Mon 15-May-06	Sample	
6124580	FB1	15:31:58 Mon 15-May-06	Sample	G6E040000-580 FB1-F1685532
6124580	FB2	15:36:18 Mon 15-May-06	Sample	G6E040000-580 FB2-F1815158
6124604	FB1	15:40:38 Mon 15-May-06	Sample	G6E040000-604 FB1-F1815158
6132516	FB1	15:44:59 Mon 15-May-06	Sample	G6E120000-516 FB1-F1815158
	CCV 1 >RECAL	15:49:20 Mon 15-May-06	Sample	
	CCB 1	15:53:41 Mon 15-May-06	Sample	
	CCV 2	15:58:01 Mon 15-May-06	Sample	
	CCB 2	16:02:22 Mon 15-May-06	Sample	
6131060	H45L1C	16:06:41 Mon 15-May-06	Sample	G6E110000-60 LCS
6131060	H45L1L	16:10:57 Mon 15-May-06	Sample	G6E110000-60 LCSD
	Rinse	16:15:15 Mon 15-May-06	Sample	
6131060	H45L1B	16:19:37 Mon 15-May-06	Sample	G6E110000-60 BLK - our Fe↑
6131060	H3470	16:23:56 Mon 15-May-06	Sample	G6D260271-3
6131060	H3470P5	16:28:13 Mon 15-May-06	Sample	G6D260271-3 5X
6131060	H3470Z	16:32:30 Mon 15-May-06	Sample	G6D260271-3 PS
6131060	H4JJV	16:36:47 Mon 15-May-06	Sample	G6E020266-3
6131060	H4JJ0	16:41:05 Mon 15-May-06	Sample	G6E020266-4
	CCV 3	16:45:24 Mon 15-May-06	Sample	
	CCB 3	16:49:45 Mon 15-May-06	Sample	
	CCV 4	16:54:06 Mon 15-May-06	Sample	
	CCB 4	16:58:26 Mon 15-May-06	Sample	
6124580	H4Q29C	17:02:45 Mon 15-May-06	Sample	G6E040000-580 LCS
6124580	H4Q29L	17:07:02 Mon 15-May-06	Sample	G6E040000-580 LCSD
	Rinse	17:11:21 Mon 15-May-06	Sample	
6124580	H4Q29B	17:15:42 Mon 15-May-06	Sample	G6E040000-580 BLK
6124580	H341E	17:20:02 Mon 15-May-06	Sample	G6D260252-1
6124580	H341EP5	17:24:21 Mon 15-May-06	Sample	G6D260252-1 5X
6124580	H341EZ	17:28:40 Mon 15-May-06	Sample	G6D260252-1 PS
6124580	H341Q	17:32:59 Mon 15-May-06	Sample	G6D260252-2
6124580	H341V	17:37:19 Mon 15-May-06	Sample	G6D260252-3
	CCV 5	17:41:39 Mon 15-May-06	Sample - out Cr	
	CCB 5	17:46:00 Mon 15-May-06	Sample	
	CCV 6	17:50:21 Mon 15-May-06	Sample	

RDOWN Cr

	CCB 6	17:54:41 Mon 15-May-06	Sample	
6124580	H3413	17:59:02 Mon 15-May-06	Sample	G6D260252-4
6124580	H3414	18:03:23 Mon 15-May-06	Sample	G6D260252-5
6124580	H3416	18:07:44 Mon 15-May-06	Sample	G6D260252-6
6124580	H3417	18:12:05 Mon 15-May-06	Sample	G6D260252-7
6124580	H342E	18:16:27 Mon 15-May-06	Sample	G6D260252-8
6124580	H342L	18:20:49 Mon 15-May-06	Sample	G6D260252-9
6124580	H342M	18:25:12 Mon 15-May-06	Sample	G6D260252-10
6124580	H342P	18:29:35 Mon 15-May-06	Sample	G6D260252-11
6124580	H342Q	18:33:58 Mon 15-May-06	Sample	G6D260252-12
	CCV 7 >RECAL	18:38:20 Mon 15-May-06	Sample	
	CCB 7	18:42:41 Mon 15-May-06	Sample - out Zn ↓ (<-RL)	
	CCV 8	18:47:02 Mon 15-May-06	Sample	
	CCB 8	18:51:23 Mon 15-May-06	Sample	
6124604	H4Q34B	18:55:45 Mon 15-May-06	Sample	G6E040000-604 BLK
6124604	H4Q34C	19:00:04 Mon 15-May-06	Sample	G6E040000-604 LCS
6124604	H4Q34L	19:04:22 Mon 15-May-06	Sample	G6E040000-604 LCSD
6124604	H4HK9	19:08:39 Mon 15-May-06	Sample	G6E020171-1
6124604	H4HK9P5	19:12:55 Mon 15-May-06	Sample	G6E020171-1 5X
6124604	H4HK9Z	19:17:12 Mon 15-May-06	Sample	G6E020171-1 PS
6124604	H4HLD	19:21:30 Mon 15-May-06	Sample	G6E020171-2
6124604	H4HLH	19:25:47 Mon 15-May-06	Sample	G6E020171-3
6124604	H4HLN	19:30:05 Mon 15-May-06	Sample	G6E020171-4
6124604	H4HLV	19:34:24 Mon 15-May-06	Sample	G6E020171-5
	CCV 9	19:38:43 Mon 15-May-06	Sample	
	CCB 9	19:43:04 Mon 15-May-06	Sample	
	CCV 10	19:47:25 Mon 15-May-06	Sample	
	CCB 10	19:51:46 Mon 15-May-06	Sample	
6124604	H4HLX	19:56:06 Mon 15-May-06	Sample	G6E020171-6
6124604	H4HL1	20:00:25 Mon 15-May-06	Sample	G6E020171-7
6124604	H4HL2	20:04:45 Mon 15-May-06	Sample	G6E020171-8
6124604	H4HL3	20:09:05 Mon 15-May-06	Sample	G6E020171-9
6124604	H4HL6	20:13:26 Mon 15-May-06	Sample	G6E020171-10
6124604	H4HL7	20:17:47 Mon 15-May-06	Sample	G6E020171-11
6124604	H4HL8	20:22:08 Mon 15-May-06	Sample	G6E020171-12
6124604	H4HL9	20:26:30 Mon 15-May-06	Sample	G6E020171-13
6124604	H4HMA	20:30:52 Mon 15-May-06	Sample	G6E020171-14
6124604	H4HMD	20:35:14 Mon 15-May-06	Sample	G6E020171-15
	CCV 11 >RECAL	20:39:36 Mon 15-May-06	Sample	
	CCB 11	20:43:57 Mon 15-May-06	Sample	
	CCV 12	20:48:17 Mon 15-May-06	Sample	
	CCB 12	20:52:38 Mon 15-May-06	Sample	
6132516	H5CJ4C	20:56:58 Mon 15-May-06	Sample	G6E120000-516 LCS
6132516	H5CJ4L	21:01:16 Mon 15-May-06	Sample	G6E120000-516 LCSD
	Rinse	21:05:36 Mon 15-May-06	Sample	
6132516	H5CJ4B	21:09:59 Mon 15-May-06	Sample	G6E120000-516 BLK
6132516	H4XGJ	21:14:18 Mon 15-May-06	Sample	G6E080132-1
6132516	H4XGJP5	21:18:34 Mon 15-May-06	Sample	G6E080132-1 5X
6132516	H4XGJZ	21:22:50 Mon 15-May-06	Sample	G6E080132-1 PS
6132516	H4XGK	21:27:07 Mon 15-May-06	Sample	G6E080132-2
6132516	H4XGN	21:31:24 Mon 15-May-06	Sample	G6E080132-3
6132516	H4XGP	21:35:42 Mon 15-May-06	Sample	G6E080132-4
	CCV 13	21:40:01 Mon 15-May-06	Sample	
	CCB 13	21:44:22 Mon 15-May-06	Sample	
	CCV 14	21:48:43 Mon 15-May-06	Sample	
	CCB 14	21:53:03 Mon 15-May-06	Sample	
6132516	H4XGQ	21:57:23 Mon 15-May-06	Sample	G6E080132-5
6132516	H4XGR	22:01:42 Mon 15-May-06	Sample	G6E080132-6
6132516	H4XGW	22:06:00 Mon 15-May-06	Sample	G6E080132-7
6132516	H4XGX	22:10:19 Mon 15-May-06	Sample	G6E080132-8

RERUN Zn

6132516	H4XG0	22:14:39 Mon 15-May-06	Sample	G6E080132-9
6132516	H4XG7	22:18:59 Mon 15-May-06	Sample	G6E080132-10
6132516	H4XG8	22:23:19 Mon 15-May-06	Sample	G6E080132-11
6132516	H4XG9	22:27:40 Mon 15-May-06	Sample	G6E080132-12
6132516	H4XHA	22:32:01 Mon 15-May-06	Sample	G6E080132-13
6132516	H4XHD	22:36:22 Mon 15-May-06	Sample	G6E080132-14
	CCV 15	22:40:43 Mon 15-May-06	Sample	
	CCB 15	22:45:04 Mon 15-May-06	Sample	

STL Sacramento RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 05/16/06 17:07:59

File ID: 060515A1 **Analyst: ionesb**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	H3470 n.i.	G6D260271-3	6131060	2A	1.0	05/15/06 14:33		☐
2	H4JJV n.i.	G6E020266-3	6131060	2A	1.0	05/15/06 14:36		☐
3	H341E n.i.	G6D260252-1	6124580	2A	1.0	05/15/06 14:39		☐
4	H4HK9 n.i.	G6E020171-1	6124604	2A	1.0	05/15/06 14:41		☐
5	H4XGJ n.i.	G6E080132-1	6132516	2A	1.0	05/15/06 14:44		☐
6	Rinse 3X				3.0	05/15/06 14:53		☐
7	Blank				1.0	05/15/06 14:57		☐
8	Standard1				1.0	05/15/06 15:02		☐
9	ICV				1.0	05/15/06 15:06		☐
10	ICB				1.0	05/15/06 15:10		☐
11	ICSA				1.0	05/15/06 15:15		☐
12	ICSAB				1.0	05/15/06 15:19		☐
13	Rinse				1.0	05/15/06 15:27		☐
14	FB1				1.0	05/15/06 15:31		☐
15	FB2				1.0	05/15/06 15:36		☐
16	FB1				1.0	05/15/06 15:40		☐
17	FB1				1.0	05/15/06 15:44		☐
18	CCV 1				1.0	05/15/06 15:49		☐
19	CCB 1				1.0	05/15/06 15:53		☐
22	CCV 2				1.0	05/15/06 15:58		☐
23	CCB 2				1.0	05/15/06 16:02		☐
24	H45L1C	G6E110000	6131060	2A	1.0	05/15/06 16:06		☐
25	H45L1L	G6E110000	6131060	2A	1.0	05/15/06 16:10		☐
26	Rinse				1.0	05/15/06 16:15		☐
27	H45L1B	G6E110000	6131060	2A	1.0	05/15/06 16:19		☐
28	H3470	G6D260271-3	6131060	2A	1.0	05/15/06 16:23		☐
29	H3470P5	G6D260271	6131060		5.0	05/15/06 16:28		☐
30	H3470Z	G6D260271-3	6131060		1.0	05/15/06 16:32		☐
31	H4JJV	G6E020266-3	6131060	2A	1.0	05/15/06 16:36		☐
32	H4JJ0	G6E020266-4	6131060	2A	1.0	05/15/06 16:41		☐
33	CCV 3				1.0	05/15/06 16:45		☐
34	CCB 3				1.0	05/15/06 16:49		☐
35	CCV 4				1.0	05/15/06 16:54		☐
36	CCB 4				1.0	05/15/06 16:58		☐
37	H4Q29C	G6E040000	6124580	2A	1.0	05/15/06 17:02		☐
38	H4Q29L	G6E040000	6124580	2A	1.0	05/15/06 17:07		☐
39	Rinse				1.0	05/15/06 17:11		☐
40	H4Q29B	G6E040000	6124580	2A	1.0	05/15/06 17:15		☐
41	H341E	G6D260252-1	6124580	2A	1.0	05/15/06 17:20		☐
42	H341EP5	G6D260252	6124580		5.0	05/15/06 17:24		☐
43	H341EZ	G6D260252-1	6124580		1.0	05/15/06 17:28		☐
44	H341Q	G6D260252-2	6124580	2A	1.0	05/15/06 17:32		☐
45	H341V	G6D260252-3	6124580	2A	1.0	05/15/06 17:37		☐
46	CCV 5				1.0	05/15/06 17:41		☐
47	CCB 5				1.0	05/15/06 17:46		☐
48	CCV 6				1.0	05/15/06 17:50		☐

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 05/16/06 17:07:59

File ID: 060515A1 **Analyst:** ionesb

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
49	CCB 6				1.0	05/15/06 17:54		☐
50	H3413	G6D260252-4	6124580	2A	1.0	05/15/06 17:59		☐
51	H3414	G6D260252-5	6124580	2A	1.0	05/15/06 18:03		☐
52	H3416	G6D260252-6	6124580	2A	1.0	05/15/06 18:07		☐
53	H3417	G6D260252-7	6124580	2A	1.0	05/15/06 18:12		☐
54	H342E	G6D260252-8	6124580	2A	1.0	05/15/06 18:16		☐
55	H342L	G6D260252-9	6124580	2A	1.0	05/15/06 18:20		☐
56	H342M	G6D260252-10	6124580	2A	1.0	05/15/06 18:25		☐
57	H342P	G6D260252-11	6124580	2A	1.0	05/15/06 18:29		☐
58	H342Q	G6D260252-12	6124580	2A	1.0	05/15/06 18:33		☐
59	CCV 7				1.0	05/15/06 18:38		☐
60	CCB 7				1.0	05/15/06 18:42		☐
63	CCV 8				1.0	05/15/06 18:47		☐
64	CCB 8				1.0	05/15/06 18:51		☐
65	H4Q34B	G6E040000	6124604	2A	1.0	05/15/06 18:55		☐
66	H4Q34C	G6E040000	6124604	2A	1.0	05/15/06 19:00		☐
67	H4Q34L	G6E040000	6124604	2A	1.0	05/15/06 19:04		☐
68	H4HK9	G6E020171-1	6124604	2A	1.0	05/15/06 19:08		☐
69	H4HK9P5	G6E020171	6124604		5.0	05/15/06 19:12		☐
70	H4HK9Z	G6E020171-1	6124604		1.0	05/15/06 19:17		☐
71	H4HLD	G6E020171-2	6124604	2A	1.0	05/15/06 19:21		☐
72	H4HLH	G6E020171-3	6124604	2A	1.0	05/15/06 19:25		☐
73	H4HLN	G6E020171-4	6124604	2A	1.0	05/15/06 19:30		☐
74	H4HLV	G6E020171-5	6124604	2A	1.0	05/15/06 19:34		☐
75	CCV 9				1.0	05/15/06 19:38		☐
76	CCB 9				1.0	05/15/06 19:43		☐
77	CCV 10				1.0	05/15/06 19:47		☐
78	CCB 10				1.0	05/15/06 19:51		☐
79	H4HLX	G6E020171-6	6124604	2A	1.0	05/15/06 19:56		☐
80	H4HL1	G6E020171-7	6124604	2A	1.0	05/15/06 20:00		☐
81	H4HL2	G6E020171-8	6124604	2A	1.0	05/15/06 20:04		☐
82	H4HL3	G6E020171-9	6124604	2A	1.0	05/15/06 20:09		☐
83	H4HL6	G6E020171-10	6124604	2A	1.0	05/15/06 20:13		☐
84	H4HL7	G6E020171-11	6124604	2A	1.0	05/15/06 20:17		☐
85	H4HL8	G6E020171-12	6124604	2A	1.0	05/15/06 20:22		☐
86	H4HL9	G6E020171-13	6124604	2A	1.0	05/15/06 20:26		☐
87	H4HMA	G6E020171-14	6124604	2A	1.0	05/15/06 20:30		☐
88	H4HMD	G6E020171-15	6124604	2A	1.0	05/15/06 20:35		☐
89	CCV 11				1.0	05/15/06 20:39		☐
90	CCB 11				1.0	05/15/06 20:43		☐
93	CCV 12				1.0	05/15/06 20:48		☐
94	CCB 12				1.0	05/15/06 20:52		☐
95	H5CJ4C	G6E120000	6132516	2A	1.0	05/15/06 20:56		☐
96	H5CJ4L	G6E120000	6132516	2A	1.0	05/15/06 21:01		☐
97	Rinse				1.0	05/15/06 21:05		☐
98	H5CJ4B	G6E120000	6132516	2A	1.0	05/15/06 21:09		☐

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 05/16/06 17:07:59

File ID: 060515A1 **Analyst:** ionesb

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
99	H4XGJ	G6E080132-1	6132516	2A	1.0	05/15/06 21:14		☐
100	H4XGJP5	G6E080132	6132516		5.0	05/15/06 21:18		☐
101	H4XGJZ	G6E080132-1	6132516		1.0	05/15/06 21:22		☐
102	H4XGK	G6E080132-2	6132516	2A	1.0	05/15/06 21:27		☐
103	H4XGN	G6E080132-3	6132516	2A	1.0	05/15/06 21:31		☐
104	H4XGP	G6E080132-4	6132516	2A	1.0	05/15/06 21:35		☐
105	CCV 13				1.0	05/15/06 21:40		☐
106	CCB 13				1.0	05/15/06 21:44		☐
107	CCV 14				1.0	05/15/06 21:48		☐
108	CCB 14				1.0	05/15/06 21:53		☐
109	H4XGQ	G6E080132-5	6132516	2A	1.0	05/15/06 21:57		☐
110	H4XGR	G6E080132-6	6132516	2A	1.0	05/15/06 22:01		☐
111	H4XGW	G6E080132-7	6132516	2A	1.0	05/15/06 22:06		☐
112	H4XGX	G6E080132-8	6132516	2A	1.0	05/15/06 22:10		☐
113	H4XG0	G6E080132-9	6132516	2A	1.0	05/15/06 22:14		☐
114	H4XG7	G6E080132-10	6132516	2A	1.0	05/15/06 22:18		☐
115	H4XG8	G6E080132-11	6132516	2A	1.0	05/15/06 22:23		☐
116	H4XG9	G6E080132-12	6132516	2A	1.0	05/15/06 22:27		☐
117	H4XHA	G6E080132-13	6132516	2A	1.0	05/15/06 22:32		☐
118	H4XHD	G6E080132-14	6132516	2A	1.0	05/15/06 22:36		☐
119	CCV 15				1.0	05/15/06 22:40		☐
120	CCB 15				1.0	05/15/06 22:45		☐

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 05/16/06 17:07:59

File ID: **060515A1** **Analyst: ionesb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	H3470 n.i.	05/15/06 14:33	0.3	0.0	0.1	0.0	☐
2	H4JJV n.i.	05/15/06 14:36	0.1	0.0	0.1	0.0	☐
3	H341E n.i.	05/15/06 14:39	0.1	0.0	0.1	0.0	☐
4	H4HK9 n.i.	05/15/06 14:41	0.1	0.0	0.1	0.0	☐
5	H4XGJ n.i.	05/15/06 14:44	0.1	0.0	0.1	0.0	☐
6	Rinse 3X	05/15/06 14:53	100.7	99.5	99.9	98.8	☐
7	Blank	05/15/06 14:57	100.0	100.0	100.0	100.0	☑
8	Standard1	05/15/06 15:02	99.2	97.2	96.3	98.5	☑
9	ICV	05/15/06 15:06	102.1	100.1	99.0	100.8	☑
10	ICB	05/15/06 15:10	103.3	101.5	100.0	103.0	☑
11	ICSA	05/15/06 15:15	83.4	87.3	80.0	87.6	☑
12	ICSAB	05/15/06 15:19	84.8	89.6	80.2	91.6	☑
13	Rinse	05/15/06 15:27	109.6	110.2	92.9	111.4	☑
14	FB1	05/15/06 15:31	108.0	113.1	94.9	114.0	☑
15	FB2	05/15/06 15:36	107.3	110.6	92.4	112.7	☑
16	FB1	05/15/06 15:40	106.2	111.2	90.7	112.0	☑
17	FB1	05/15/06 15:44	104.4	110.7	88.8	112.0	☑
18	CCV 1	05/15/06 15:49	106.0	105.6	89.4	107.9	☑
19	CCB 1	05/15/06 15:53	108.9	106.8	92.7	109.7	☑
22	CCV 2	05/15/06 15:58	98.4	98.6	99.4	98.2	☑
23	CCB 2	05/15/06 16:02	102.3	101.1	99.3	100.1	☑
24	H45L1C	05/15/06 16:06	96.0	100.2	105.3	100.7	☑
25	H45L1L	05/15/06 16:10	94.8	100.3	105.8	101.6	☑
26	Rinse	05/15/06 16:15	98.7	99.1	106.4	98.7	☑
27	H45L1B	05/15/06 16:19	95.7	102.6	107.9	101.7	☑
28	H3470	05/15/06 16:23	97.3	100.8	104.2	101.8	☑
29	H3470P5	05/15/06 16:28	100.6	101.4	104.1	99.2	☐
30	H3470Z	05/15/06 16:32	95.3	99.0	102.9	99.5	☑
31	H4JJV	05/15/06 16:36	95.4	99.7	103.8	99.8	☑
32	H4JJ0	05/15/06 16:41	96.8	101.1	104.5	101.0	☑
33	CCV 3	05/15/06 16:45	98.7	97.5	102.0	97.3	☑
34	CCB 3	05/15/06 16:49	99.6	99.2	100.9	97.8	☑
35	CCV 4	05/15/06 16:54	98.7	98.0	102.1	98.7	☑
36	CCB 4	05/15/06 16:58	100.4	99.5	103.0	98.6	☑
37	H4Q29C	05/15/06 17:02	96.5	99.8	106.0	101.3	☑
38	H4Q29L	05/15/06 17:07	96.0	100.1	106.4	101.5	☑
39	Rinse	05/15/06 17:11	98.2	98.5	107.9	98.6	☑
40	H4Q29B	05/15/06 17:15	96.9	101.0	108.2	101.4	☑
41	H341E	05/15/06 17:20	97.4	102.3	108.8	100.6	☑
42	H341EP5	05/15/06 17:24	99.0	100.1	107.7	98.9	☐
43	H341EZ	05/15/06 17:28	94.0	98.9	107.7	98.4	☑
44	H341Q	05/15/06 17:32	96.7	100.1	107.3	100.7	☑
45	H341V	05/15/06 17:37	96.4	101.1	108.9	101.4	☑
46	CCV 5	05/15/06 17:41	97.8	95.9	103.3	96.3	☑
47	CCB 5	05/15/06 17:46	101.0	98.6	104.0	98.4	☑
48	CCV 6	05/15/06 17:50	98.8	96.7	104.4	96.6	☑

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 05/16/06 17:07:59

File ID: 060515A1 **Analyst: ionesb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
49	CCB 6	05/15/06 17:54	101.0	99.1	104.0	99.2	☑
50	H3413	05/15/06 17:59	96.7	100.2	103.8	100.4	☑
51	H3414	05/15/06 18:03	98.3	100.6	105.9	100.8	☑
52	H3416	05/15/06 18:07	96.3	99.4	104.0	101.1	☑
53	H3417	05/15/06 18:12	96.2	100.7	103.9	100.9	☑
54	H342E	05/15/06 18:16	99.1	101.8	104.7	100.7	☑
55	H342L	05/15/06 18:20	96.7	100.4	102.9	100.8	☑
56	H342M	05/15/06 18:25	97.1	103.1	105.3	101.4	☑
57	H342P	05/15/06 18:29	97.7	100.3	103.2	99.2	☑
58	H342Q	05/15/06 18:33	97.4	101.7	103.8	99.9	☑
59	CCV 7	05/15/06 18:38	99.3	95.8	102.2	96.7	☑
60	CCB 7	05/15/06 18:42	101.8	97.6	104.1	98.9	☑
63	CCV 8	05/15/06 18:47	97.3	98.5	98.3	99.1	☑
64	CCB 8	05/15/06 18:51	99.2	99.3	99.7	99.4	☑
65	H4Q34B	05/15/06 18:55	95.1	101.3	97.1	101.4	☑
66	H4Q34C	05/15/06 19:00	94.3	101.4	101.5	100.5	☑
67	H4Q34L	05/15/06 19:04	92.9	99.1	103.2	100.1	☑
68	H4HK9	05/15/06 19:08	96.1	101.1	106.0	101.6	☑
69	H4HK9P5	05/15/06 19:12	96.3	98.3	105.1	99.0	☐
70	H4HK9Z	05/15/06 19:17	90.8	97.6	103.6	99.3	☑
71	H4HLD	05/15/06 19:21	95.3	99.4	104.6	101.1	☑
72	H4HLH	05/15/06 19:25	92.0	98.7	101.3	99.1	☑
73	H4HLN	05/15/06 19:30	93.4	98.2	104.5	99.7	☑
74	H4HLV	05/15/06 19:34	92.8	98.9	104.6	99.8	☑
75	CCV 9	05/15/06 19:38	96.6	96.9	103.0	98.4	☑
76	CCB 9	05/15/06 19:43	99.6	99.8	103.9	99.2	☑
77	CCV 10	05/15/06 19:47	94.7	94.8	98.5	95.1	☑
78	CCB 10	05/15/06 19:51	96.8	98.0	99.7	98.3	☑
79	H4HLX	05/15/06 19:56	94.0	98.7	100.5	100.0	☑
80	H4HL1	05/15/06 20:00	94.6	100.1	101.8	101.2	☑
81	H4HL2	05/15/06 20:04	92.2	98.7	99.9	99.6	☑
82	H4HL3	05/15/06 20:09	91.2	97.9	97.0	98.2	☑
83	H4HL6	05/15/06 20:13	93.4	100.2	99.7	100.5	☑
84	H4HL7	05/15/06 20:17	92.8	99.1	96.2	99.6	☑
85	H4HL8	05/15/06 20:22	95.6	102.3	100.9	101.7	☑
86	H4HL9	05/15/06 20:26	92.7	99.5	97.0	99.1	☑
87	H4HMA	05/15/06 20:30	94.0	100.1	99.5	100.5	☑
88	H4HMD	05/15/06 20:35	93.7	101.0	96.9	100.2	☑
89	CCV 11	05/15/06 20:39	94.0	94.7	96.4	96.2	☑
90	CCB 11	05/15/06 20:43	94.5	94.5	98.3	95.6	☑
93	CCV 12	05/15/06 20:48	99.1	99.2	97.9	99.6	☑
94	CCB 12	05/15/06 20:52	103.5	102.2	101.3	101.7	☑
95	H5CJ4C	05/15/06 20:56	97.0	102.4	102.9	102.6	☑
96	H5CJ4L	05/15/06 21:01	95.0	101.7	102.2	104.2	☑
97	Rinse	05/15/06 21:05	99.3	100.6	104.3	101.4	☑
98	H5CJ4B	05/15/06 21:09	95.9	102.7	105.3	104.2	☑

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 05/16/06 17:07:59

File ID: **060515A1** **Analyst: ionesb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
99	H4XGJ	05/15/06 21:14	98.0	103.3	106.5	104.3	☑
100	H4XGJP5	05/15/06 21:18	98.7	101.4	106.1	102.0	☐
101	H4XGJZ	05/15/06 21:22	94.6	101.2	103.1	101.3	☑
102	H4XGK	05/15/06 21:27	95.8	101.8	105.8	103.0	☑
103	H4XGN	05/15/06 21:31	94.4	101.1	105.8	102.8	☑
104	H4XGP	05/15/06 21:35	96.1	101.6	105.0	102.0	☑
105	CCV 13	05/15/06 21:40	99.2	99.3	99.0	99.2	☑
106	CCB 13	05/15/06 21:44	99.3	100.4	101.4	99.9	☑
107	CCV 14	05/15/06 21:48	99.4	98.6	100.9	99.5	☑
108	CCB 14	05/15/06 21:53	99.1	99.6	100.5	100.2	☑
109	H4XGQ	05/15/06 21:57	98.2	102.7	103.1	104.4	☑
110	H4XGR	05/15/06 22:01	95.9	102.2	102.7	101.7	☑
111	H4XGW	05/15/06 22:06	98.8	103.6	103.8	104.3	☑
112	H4XGX	05/15/06 22:10	97.6	104.6	102.5	103.7	☑
113	H4XG0	05/15/06 22:14	96.8	103.1	102.5	103.5	☑
114	H4XG7	05/15/06 22:18	97.8	102.6	101.2	102.8	☑
115	H4XG8	05/15/06 22:23	98.6	103.4	102.5	102.3	☑
116	H4XG9	05/15/06 22:27	99.8	103.0	104.8	102.4	☑
117	H4XHA	05/15/06 22:32	99.5	102.2	102.1	102.9	☑
118	H4XHD	05/15/06 22:36	95.8	101.8	101.4	101.5	☑
119	CCV 15	05/15/06 22:40	96.9	97.1	99.5	98.6	☑
120	CCB 15	05/15/06 22:45	98.3	97.0	100.5	98.9	☑

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

File Name: 6131060.mth
File Path: C:\elandata\Method\6131060.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	- 0.00325 * 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: 2532-64B

Blank, CCBs: 2531-21A

Standard 1, CCVs: 2532-63C

ICV: 2532-63D

ICSA: 2532-63E

ICSAB: 2532-64A

File Number: **060515A1**

Instrument Tuning Report - Elan 6000

File Name: default.tun

Sample Information

Sample Date/Time: Monday, May 15, 2006 12:39:23

Sample ID: TUNE BJONES

Analyte	Exact Mass	Meas. Mass	Mass DAC	Meas. Pk. Width	Res. DAC	Custom Res.
Li	7.016	7.077	1572	0.736	2035	
Be	9.012	9.079	2057	0.709	2021	
Co	58.933	58.979	14298	0.730	1892	
In	114.904	114.928	27955	0.734	1858	
Ce	139.905	139.878	34030	0.723	1905	
Tl	204.975	204.929	49733	0.734	2128	
Pb	207.977	207.978	50452	0.711	2146	
U	238.050	238.026	57679	0.707	2311	

Elan 6000 Instrument Optomization Report

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

Sample Information

Sample Date/Time: Monday, May 15, 2006 12:45:04
Sample ID: DAILY 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:	12:41:35 Mon 15-May-06
Sample Filename:	AUTOLENS BJONES.002
Dataset Pathname:	c:\elandata\Dataset\060515a1\
Lens Voltage Start:	3.00 V
Lens Voltage End:	7.00 V
Lens Voltage Step:	0.25 V
Slope:	0.0141
Intercept:	4.2264

Analyte	Mass	Optimum Voltage	Maximum Intensity	# Points
Be	9.011	4.3 V	5124 cps	17
Co	58.934	5.3 V	304740 cps	17
In	114.903	5.8 V	720236 cps	17

Dual Detector Calibration

Date:	12:49:57 Mon 15-May-06
Sample Filename:	DUAL BJONES.748
Dataset Pathname:	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	6.015	8711	1.44e+009 cps
Li	7.016	8195	1.53e+009 cps

Report Date/Time: Monday, May 15, 2006 12:56:30

Be	9.012	7726	1.62e+009 cps
B	11.009	8089	1.55e+009 cps
Na	22.990	8021	1.56e+009 cps
Mg	23.985	7446	1.68e+009 cps
Mg	24.986	7338	1.71e+009 cps
Al	26.982	6902	1.81e+009 cps
P	30.994	6536	1.92e+009 cps
K	38.964	6295	1.99e+009 cps
Ca	42.959	3390	3.69e+009 cps
Ca	43.956	6338	1.98e+009 cps
Sc	44.956	6228	2.01e+009 cps
V	50.944	6150	2.04e+009 cps
Cr	51.941	5799	2.16e+009 cps
Fe	53.940	5678	2.20e+009 cps
Mn	54.938	5670	2.21e+009 cps
Fe	56.935	5591	2.24e+009 cps
Co	58.933	5336	2.35e+009 cps
Ni	59.933	5197	2.41e+009 cps
Cu	62.930	5041	2.48e+009 cps
Cu	64.928	5028	2.49e+009 cps
Zn	67.925	5038	2.48e+009 cps
Ge	71.922	5155	2.43e+009 cps
As	74.922	5232	2.39e+009 cps
Se	77.917	5271	2.38e+009 cps
Br	78.918	5300	2.36e+009 cps
Se	81.917	5154	2.43e+009 cps
Sr	87.906	5159	2.43e+009 cps
Mo	96.906	5271	2.38e+009 cps
Ag	106.905	4642	2.70e+009 cps
Ag	108.905	4619	2.71e+009 cps
Cd	110.904	4678	2.68e+009 cps
Cd	113.904	4643	2.70e+009 cps
In	114.904	4676	2.68e+009 cps
Sn	117.902	4740	2.64e+009 cps
Sb	120.904	4724	2.65e+009 cps
Ba	134.906	4643	2.70e+009 cps
Tm	168.934	4419	2.83e+009 cps
Tl	204.975	4092	3.06e+009 cps
Pb	207.977	4163	3.01e+009 cps
Bi	208.980	4120	3.04e+009 cps
U	238.050	4133	3.03e+009 cps

Daily Performance Report - Elan 6000

Sample ID: DAILY BJONES
Sample Date/Time: Monday, May 15, 2006 12:45:04
Sample Description:
Sample File:
Method File: C:\elandata\Method\000-DAILY_EPA.mth
Dataset File: c:\elandata\dataset\060515a1\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	45748.157	837.201	1.830
	Rh	103	509503.665	14297.328	2.806
	Pb	208	243643.641	3382.136	1.388
⌈>	Ba	138	451068.177	3961.228	0.878
⌊	Ba++	69	0.028	0.001	2.547
⌈>	Ce	140	533400.464	4860.160	0.911
⌊	CeO	156	0.030	0.001	1.884
	Bkgd	220	6.286	3.130	49.793
	Li	7	15114.277	241.227	1.596
	Be	9	4589.985	48.142	1.049
	Co	59	231297.706	5088.456	2.200
	In	115	633760.184	13173.623	2.079
	Tl	205	341771.686	1788.300	0.523

Sample ID: H3470 n.i.
Sample Description: G6D260271-3 N.I.
Batch ID: 6131060
Sample Date/Time: Monday, May 15, 2006 14:33:39
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: c:\elandata\dataset\060515a1\H3470 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			1056.235	ug/L	0.000
45	Sc			72984.894	ug/L	0.000
69	Ga			20409.031	ug/L	0.000
72	Ge			15951.128	ug/L	0.000
89	Y			21710.744	ug/L	0.000
103	Rh			242.383	ug/L	0.000
115	In			2358.505	ug/L	0.000
133	Cs			16008.339	ug/L	0.000
165	Ho			709.068	ug/L	0.000
169	Tm			1344.358	ug/L	0.000
209	Bi			21017.181	ug/L	0.000

Internal Standard Recoveries

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

Sample ID: H4JJV n.i.
Sample Description: G6E020266-3 N.I.
Batch ID: 6131060
Sample Date/Time: Monday, May 15, 2006 14:36:25
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: c:\elandata\dataset\060515a1\H4JJV 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			875.269	ug/L	0.000
45	Sc			70330.181	ug/L	0.000
69	Ga			22050.870	ug/L	0.000
72	Ge			6302.065	ug/L	0.000
89	Y			23433.377	ug/L	0.000
103	Rh			143.810	ug/L	0.000
115	In			2462.769	ug/L	0.000
133	Cs			6719.425	ug/L	0.000
165	Ho			791.454	ug/L	0.000
169	Tm			1393.411	ug/L	0.000
209	Bi			82684.974	ug/L	0.000

Internal Standard Recoveries

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

Sample ID: H341E n.i.
Sample Description: G6D260252-1 N.I.
Batch ID: 6124580
Sample Date/Time: Monday, May 15, 2006 14:39:12
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: c:\elandata\dataset\060515a1\H341E 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			821.932	ug/L	0.000
45	Sc			63818.750	ug/L	0.000
69	Ga			3174.690	ug/L	0.000
72	Ge			3147.064	ug/L	0.000
89	Y			1997.779	ug/L	0.000
103	Rh			75.238	ug/L	0.000
115	In			1889.154	ug/L	0.000
133	Cs			1038.615	ug/L	0.000
165	Ho			67.143	ug/L	0.000
169	Tm			1093.857	ug/L	0.000
209	Bi			2627.419	ug/L	0.000

Internal Standard Recoveries

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

Sample ID: H4HK9 n.i.
Sample Description: G6E020171-1 N.I.
Batch ID: 6124604
Sample Date/Time: Monday, May 15, 2006 14:41:59
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: c:\elandata\dataset\060515a1\H4HK9 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			774.786	ug/L	0.000
45	Sc			63445.885	ug/L	0.000
69	Ga			3701.025	ug/L	0.000
72	Ge			3233.753	ug/L	0.000
89	Y			2832.702	ug/L	0.000
103	Rh			81.429	ug/L	0.000
115	In			1923.453	ug/L	0.000
133	Cs			1743.455	ug/L	0.000
165	Ho			112.858	ug/L	0.000
169	Tm			1059.569	ug/L	0.000
209	Bi			2744.111	ug/L	0.000

Internal Standard Recoveries

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

Sample ID: H4XGJ n.i.
Sample Description: G6E080132-1 N.I.
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 14:44:47
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: c:\elandata\dataset\060515a1\H4XGJ n.i..008
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 31
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			842.886	ug/L	0.000
45	Sc			65737.164	ug/L	0.000
69	Ga			6989.573	ug/L	0.000
72	Ge			4710.412	ug/L	0.000
89	Y			7342.637	ug/L	0.000
103	Rh			87.143	ug/L	0.000
115	In			1883.591	ug/L	0.000
133	Cs			4369.812	ug/L	0.000
165	Ho			267.146	ug/L	0.000
169	Tm			1060.998	ug/L	0.000
209	Bi			2314.500	ug/L	0.000

Internal Standard Recoveries

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

Sample ID: Rinse 3X
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 14:53:05
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\Rinse 3X.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			3783366.053	ug/L	3860637.744
>	6	Li-1			1026712.818	ug/L	1027561.118
	9	Be	-0.007412	90.811	3.333	ug/L	5.667
	27	Al	0.295727	152.690	62704.113	ug/L	60543.406
	44	Ca	5.084647	13.095	120897.482	ug/L	117983.203
	51	V	-0.065746	420.940	-38582.166	ug/L	-37234.456
	52	Cr	0.089807	143.766	71094.078	ug/L	69403.901
	55	Mn	-0.005520	358.043	7094.216	ug/L	7169.608
	54	Fe	-2.051079	241.357	174721.364	ug/L	175796.273
	57	Fe	-0.300227	537.567	35423.598	ug/L	35313.856
	59	Co	-0.000231	334.731	183.335	ug/L	186.002
	60	Ni	0.001665	625.996	552.862	ug/L	542.865
	65	Cu	0.001862	118.791	699.295	ug/L	687.320
	68	Zn	1.339406	72.233	25844.527	ug/L	23733.517
	75	As	0.016774	911.146	34188.588	ug/L	33880.747
	82	Se	-0.397996	5.010	629.520	ug/L	775.348
	97	Mo	-0.001447	76.236	94.001	ug/L	98.334
>	72	Ge-1			3917415.841	ug/L	3889730.834
	107	Ag	0.000034	772.397	127.668	ug/L	127.668
	111	Cd	-0.001099	258.088	25.062	ug/L	29.072
	121	Sb	0.002901	91.706	281.005	ug/L	251.337
	135	Ba	0.000960	517.816	583.019	ug/L	583.019
>	115	In-1			3834851.214	ug/L	3852456.013
	205	Tl	-0.000295	260.223	469.346	ug/L	482.013
	208	Pb	0.010918	148.470	9113.194	ug/L	8860.100
>	169	Tm-1			2175024.670	ug/L	2200790.402
	50	Cr	-0.044597	208.188	-1567.908	ug/L	-1543.898
	53	Cr	1.205180	173.133	229586.263	ug/L	226274.004
	61	Ni	0.317646	1156.956	5995.752	ug/L	5933.968
	63	Cu	0.006004	96.927	254.344	ug/L	235.676
	67	Zn	2.077086	63.167	4579.022	ug/L	4291.946
	66	Zn	1.896409	36.140	12198.454	ug/L	10848.495
	76	Se	321.579083	21.061	-567765.479	ug/L	-551626.068
	77	Se	-1.341073	107.245	33970.099	ug/L	34099.119
	78	Se	-0.567189	70.259	36747.051	ug/L	37032.470

	79 Br	18.653777	240.604	103441.321	ug/L	101959.274
>	72 Ge			3917415.841	ug/L	3889730.834
	108 Cd	0.001875	1225.758	4.237	ug/L	3.817
	114 Cd	-0.001208	96.851	92.416	ug/L	102.769
	109 Ag	-0.000148	901.899	50.667	ug/L	51.667
>	115 In			3834851.214	ug/L	3852456.013
	208 207.977	0.009589	150.218	4820.663	ug/L	4713.937
	207 Pb	0.023897	59.159	2001.896	ug/L	1861.198
	206 Pb	0.003589	620.633	2290.635	ug/L	2284.965
>	169 Tm			2175024.670	ug/L	2200790.402
	106 Pd	0.009122	107.152	12.667	ug/L	9.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	99.917
	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	100.712
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.543
	Tl	205	
	Pb	208	
>	Tm-1	169	98.829
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	100.712
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.543
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.829
	Pd	106	

Sample ID: Blank
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 14:57:42
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\Blank.010
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			3860637.744	ug/L	
>	6	Li-1			1027561.118	ug/L	
	9	Be			5.667	ug/L	
	27	Al			60543.406	ug/L	
	44	Ca			117983.203	ug/L	
	51	V			-37234.456	ug/L	
	52	Cr			69403.901	ug/L	
	55	Mn			7169.608	ug/L	
	54	Fe			175796.273	ug/L	
	57	Fe			35313.856	ug/L	
	59	Co			186.002	ug/L	
	60	Ni			542.865	ug/L	
	65	Cu			687.320	ug/L	
	68	Zn			23733.517	ug/L	
	75	As			33880.747	ug/L	
	82	Se			775.348	ug/L	
	97	Mo			98.334	ug/L	
>	72	Ge-1			3889730.834	ug/L	
	107	Ag			127.668	ug/L	
	111	Cd			29.072	ug/L	
	121	Sb			251.337	ug/L	
	135	Ba			583.019	ug/L	
>	115	In-1			3852456.013	ug/L	
	205	Tl			482.013	ug/L	
	208	Pb			8860.100	ug/L	
>	169	Tm-1			2200790.402	ug/L	
	50	Cr			-1543.898	ug/L	
	53	Cr			226274.004	ug/L	
	61	Ni			5933.968	ug/L	
	63	Cu			235.676	ug/L	
	67	Zn			4291.946	ug/L	
	66	Zn			10848.495	ug/L	
	76	Se			-551626.068	ug/L	
	77	Se			34099.119	ug/L	
	78	Se			37032.470	ug/L	

	79	Br	101959.274	ug/L
>	72	Ge	3889730.834	ug/L
	108	Cd	3.817	ug/L
	114	Cd	102.769	ug/L
	109	Ag	51.667	ug/L
>	115	In	3852456.013	ug/L
	208	207.977	4713.937	ug/L
	207	Pb	1861.198	ug/L
	206	Pb	2284.965	ug/L
>	169	Tm	2200790.402	ug/L
	106	Pd	9.667	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: Monday, May 15, 2006 15:02:12
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\Standard 1.011
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			3708083.337	ug/L	3860637.744
[>	6	Li-1			989989.522	ug/L	1027561.118
[	9	Be	100.000000	3.151	30148.519	ug/L	5.667
[	27	Al	5100.000000	3.228	29476996.192	ug/L	60543.406
	44	Ca	5100.000000	1.946	2165477.857	ug/L	117983.203
	51	V	100.000000	3.442	1582568.964	ug/L	-37234.456
	52	Cr	100.000000	3.886	1382248.850	ug/L	69403.901
	55	Mn	100.000000	3.157	2266782.431	ug/L	7169.608
	54	Fe	5100.000000	1.201	5869510.948	ug/L	175796.273
	57	Fe	5100.000000	1.474	2396114.423	ug/L	35313.856
	59	Co	100.000000	2.367	1705719.978	ug/L	186.002
	60	Ni	100.000000	1.788	359396.581	ug/L	542.865
	65	Cu	100.000000	1.797	376000.201	ug/L	687.320
	68	Zn	100.000000	2.425	166064.165	ug/L	23733.517
	75	As	100.000000	1.929	421137.310	ug/L	33880.747
	82	Se	100.000000	2.687	38193.161	ug/L	775.348
	97	Mo	200.000000	2.681	684121.541	ug/L	98.334
[>	72	Ge-1			3856911.011	ug/L	3889730.834
[	107	Ag	50.000000	1.284	815988.437	ug/L	127.668
	111	Cd	100.000000	1.051	351847.854	ug/L	29.072
	121	Sb	50.000000	1.601	521852.360	ug/L	251.337
	135	Ba	100.000000	1.415	279503.304	ug/L	583.019
[>	115	In-1			3745269.762	ug/L	3852456.013
[	205	Tl	50.000000	3.570	1194435.408	ug/L	482.013
	208	Pb	100.000000	1.384	3263857.887	ug/L	8860.100
[>	169	Tm-1			2168349.036	ug/L	2200790.402
[	50	Cr	100.000000	13.117	27195.210	ug/L	-1543.898
	53	Cr	100.000000	5.582	363509.738	ug/L	226274.004
	61	Ni	100.000000	2.519	11960.854	ug/L	5933.968
	63	Cu	100.000000	0.843	278402.675	ug/L	235.676
	67	Zn	100.000000	1.911	16399.927	ug/L	4291.946
	66	Zn	100.000000	6.016	76730.739	ug/L	10848.495
	76	Se	100.000000	482.877	-550823.453	ug/L	-551626.068
	77	Se	100.000000	10.482	61026.367	ug/L	34099.119
	78	Se	100.000000	3.340	131892.810	ug/L	37032.470

	79 Br	100.000000	62.180	105072.558	ug/L	101959.274
>	72 Ge			3856911.011	ug/L	3889730.834
	108 Cd	100.000000	1.593	25248.243	ug/L	3.817
	114 Cd	100.000000	1.559	794656.347	ug/L	102.769
	109 Ag	50.000000	2.162	273525.929	ug/L	51.667
>	115 In			3745269.762	ug/L	3852456.013
	208 207.977	100.000000	1.184	1686125.141	ug/L	4713.937
	207 Pb	100.000000	1.390	679866.911	ug/L	1861.198
	206 Pb	100.000000	2.146	897865.835	ug/L	2284.965
>	169 Tm			2168349.036	ug/L	2200790.402
	106 Pd	100.000000	0.905	32895.723	ug/L	9.667

Internal Standard Recoveries

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

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

Sample ID: ICV
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 15:06:28
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\ICV .012
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			3821025.730	ug/L	3860637.744
>	6	Li-1			1017203.880	ug/L	1027561.118
	9	Be	81.696105	1.632	25327.945	ug/L	5.667
	27	Al	842.876985	1.694	5067761.611	ug/L	60543.406
	44	Ca	860.420547	3.138	476145.258	ug/L	117983.203
	51	V	88.151343	2.375	1431897.035	ug/L	-37234.456
	52	Cr	83.468178	2.307	1199687.364	ug/L	69403.901
	55	Mn	82.047947	3.380	1915841.835	ug/L	7169.608
	54	Fe	820.649612	2.441	1122391.702	ug/L	175796.273
	57	Fe	809.312481	2.547	421701.266	ug/L	35313.856
	59	Co	82.793247	5.506	1453147.452	ug/L	186.002
	60	Ni	81.891790	3.391	303040.956	ug/L	542.865
	65	Cu	82.622089	2.074	319876.906	ug/L	687.320
	68	Zn	87.034232	1.823	151933.440	ug/L	23733.517
	75	As	77.781351	1.772	344878.889	ug/L	33880.747
	82	Se	81.633512	2.790	32238.845	ug/L	775.348
	97	Mo	82.171183	3.162	289386.567	ug/L	98.334
>	72	Ge-1			3970250.066	ug/L	3889730.834
	107	Ag	41.303720	1.289	694323.963	ug/L	127.668
	111	Cd	80.459943	0.628	291612.196	ug/L	29.072
	121	Sb	36.875202	2.113	396518.461	ug/L	251.337
	135	Ba	79.932791	0.466	230253.897	ug/L	583.019
>	115	In-1			3857536.769	ug/L	3852456.013
	205	Tl	43.325706	0.912	1059009.144	ug/L	482.013
	208	Pb	84.495815	0.346	2822412.232	ug/L	8860.100
>	169	Tm-1			2217763.477	ug/L	2200790.402
	50	Cr	73.166033	3.512	20094.758	ug/L	-1543.898
	53	Cr	71.949046	13.066	334014.606	ug/L	226274.004
	61	Ni	74.684570	17.982	10723.426	ug/L	5933.968
	63	Cu	81.276859	2.063	232956.214	ug/L	235.676
	67	Zn	82.626987	2.001	14713.577	ug/L	4291.946
	66	Zn	85.112003	2.352	68912.591	ug/L	10848.495
	76	Se	166.147245	131.202	-569411.901	ug/L	-551626.068
	77	Se	71.215817	4.132	54772.075	ug/L	34099.119
	78	Se	80.129453	3.590	116304.721	ug/L	37032.470

	79 Br	45.303974	116.042	105917.970	ug/L	101959.274
>	72 Ge			3970250.066	ug/L	3889730.834
	108 Cd	78.901959	0.918	20520.714	ug/L	3.817
	114 Cd	80.823827	1.011	661624.835	ug/L	102.769
	109 Ag	41.901996	2.133	236134.791	ug/L	51.667
>	115 In			3857536.769	ug/L	3852456.013
	208 207.977	84.942895	0.613	1465729.727	ug/L	4713.937
	207 Pb	84.475586	1.349	587741.675	ug/L	1861.198
	206 Pb	83.671847	2.038	768940.831	ug/L	2284.965
>	169 Tm			2217763.477	ug/L	2200790.402
	106 Pd	83.017639	1.388	27310.894	ug/L	9.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	98.992
	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	102.070
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.132
	Tl	205	
	Pb	208	
>	Tm-1	169	100.771
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.070
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.132
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	100.771
	Pd	106	

Sample ID: ICB
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 15:10:48
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\ICB.013
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			3898925.519	ug/L	3860637.744
>	6	Li-1			1027058.563	ug/L	1027561.118
	9	Be	-0.002079	273.038	5.000	ug/L	5.667
	27	Al	-0.113667	118.503	61858.900	ug/L	60543.406
	44	Ca	-13.762187	36.770	116113.747	ug/L	117983.203
	51	V	-0.160330	438.162	-41232.719	ug/L	-37234.456
	52	Cr	-0.233594	26.635	68497.411	ug/L	69403.901
	55	Mn	-0.005473	158.621	7278.695	ug/L	7169.608
	54	Fe	-2.353312	139.873	178852.007	ug/L	175796.273
	57	Fe	0.791765	598.240	36852.647	ug/L	35313.856
	59	Co	0.002624	48.457	238.670	ug/L	186.002
	60	Ni	-0.004613	57.124	543.618	ug/L	542.865
	65	Cu	-0.001125	506.978	705.691	ug/L	687.320
	68	Zn	-0.733386	61.382	23426.664	ug/L	23733.517
	75	As	-0.277940	76.966	33881.784	ug/L	33880.747
	82	Se	0.082215	67.603	832.951	ug/L	775.348
	97	Mo	0.560012	23.581	2096.926	ug/L	98.334
>	72	Ge-1			4018354.188	ug/L	3889730.834
	107	Ag	0.015515	18.035	393.676	ug/L	127.668
	111	Cd	0.001650	73.303	35.551	ug/L	29.072
	121	Sb	0.314772	23.722	3680.131	ug/L	251.337
	135	Ba	0.013630	46.701	631.356	ug/L	583.019
>	115	In-1			3910140.833	ug/L	3852456.013
	205	Tl	0.075536	13.934	2381.660	ug/L	482.013
	208	Pb	-0.019312	43.071	8464.923	ug/L	8860.100
>	169	Tm-1			2266027.201	ug/L	2200790.402
	50	Cr	0.428199	20.658	-1466.487	ug/L	-1543.898
	53	Cr	-12.963133	13.946	214958.816	ug/L	226274.004
	61	Ni	0.419817	560.279	6156.728	ug/L	5933.968
	63	Cu	0.005006	66.928	258.011	ug/L	235.676
	67	Zn	-0.811782	134.145	4330.667	ug/L	4291.946
	66	Zn	-0.684500	106.724	10735.433	ug/L	10848.495
	76	Se	532.927881	17.854	-590622.283	ug/L	-551626.068
	77	Se	-12.926012	14.282	31553.777	ug/L	34099.119
	78	Se	-1.442047	10.581	36826.205	ug/L	37032.470

79	Br	1.107380	5622.741	105365.309	ug/L	101959.274
72	Ge			4018354.188	ug/L	3889730.834
108	Cd	0.008450	231.426	6.077	ug/L	3.817
114	Cd	0.002270	58.789	123.096	ug/L	102.769
109	Ag	0.015290	25.907	139.670	ug/L	51.667
115	In			3910140.833	ug/L	3852456.013
208	207.977	-0.024397	23.513	4424.452	ug/L	4713.937
207	Pb	-0.012240	86.421	1829.858	ug/L	1861.198
206	Pb	-0.015118	100.427	2210.613	ug/L	2284.965
169	Tm			2266027.201	ug/L	2200790.402
106	Pd	0.014190	44.607	14.333	ug/L	9.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	99.951
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	103.307
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	101.497
Tl	205	
Pb	208	
Tm-1	169	102.964
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.307
Cd	108	
Cd	114	
Ag	109	
In	115	101.497
207.977	208	
Pb	207	
Pb	206	
Tm	169	102.964
Pd	106	

Sample ID: ICSA
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 15:15:08
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\ICSA.014
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			3099430.717	ug/L	3860637.744
>	6	Li-1			821661.152	ug/L	1027561.118
	9	Be	0.051307	44.035	17.333	ug/L	5.667
	27	Al	96585.131357	1.303	468761539.218	ug/L	60543.406
	44	Ca	100559.929581	1.762	34076084.362	ug/L	117983.203
	51	V	-0.007241	10139.917	-31233.098	ug/L	-37234.456
	52	Cr	0.910059	2.877	67933.711	ug/L	69403.901
	55	Mn	2.080554	3.560	45525.149	ug/L	7169.608
	54	Fe	98762.761175	1.433	92888990.697	ug/L	175796.273
	57	Fe	97658.469294	1.153	38057115.920	ug/L	35313.856
	59	Co	1.633137	2.560	23583.409	ug/L	186.002
	60	Ni	-0.419631	15.132	-814.948	ug/L	542.865
	65	Cu	0.710615	9.661	2814.483	ug/L	687.320
	68	Zn	-0.353181	242.795	19376.825	ug/L	23733.517
	75	As	-0.043079	289.638	28112.634	ug/L	33880.747
	82	Se	0.433343	534.886	777.053	ug/L	775.348
	97	Mo	2153.473784	0.996	6197113.083	ug/L	98.334
>	72	Ge-1			3243698.857	ug/L	3889730.834
	107	Ag	0.235253	3.606	3557.723	ug/L	127.668
	111	Cd	0.515739	3.722	1655.904	ug/L	29.072
	121	Sb	2.270291	2.294	21486.014	ug/L	251.337
	135	Ba	0.861809	3.273	2668.074	ug/L	583.019
>	115	In-1			3363785.328	ug/L	3852456.013
	205	Tl	0.065609	1.413	1816.855	ug/L	482.013
	208	Pb	0.895164	3.263	33673.906	ug/L	8860.100
>	169	Tm-1			1928771.245	ug/L	2200790.402
	50	Cr	172.981228	29.557	40468.938	ug/L	-1543.898
	53	Cr	-20.646380	1.300	164520.421	ug/L	226274.004
	61	Ni	41.501073	10.530	7071.335	ug/L	5933.968
	63	Cu	5.521316	1.977	13113.799	ug/L	235.676
	67	Zn	25.286949	5.134	6161.737	ug/L	4291.946
	66	Zn	6.123593	18.399	12452.491	ug/L	10848.495
	76	Se	1028.292596	15.687	-492382.459	ug/L	-551626.068
	77	Se	14.387347	29.163	31725.552	ug/L	34099.119
	78	Se	1.519738	24.391	32096.435	ug/L	37032.470

	79 Br	199164.300235	1.671	6781360.858	ug/L	101959.274
>	72 Ge			3243698.857	ug/L	3889730.834
	108 Cd	68.934991	0.947	15634.141	ug/L	3.817
	114 Cd	4.167768	0.433	29835.534	ug/L	102.769
	109 Ag	0.215094	2.975	1102.195	ug/L	51.667
>	115 In			3363785.328	ug/L	3852456.013
	208 207.977	0.907058	2.853	17694.545	ug/L	4713.937
	207 Pb	0.925896	3.568	7212.305	ug/L	1861.198
	206 Pb	0.849574	4.238	8767.057	ug/L	2284.965
>	169 Tm			1928771.245	ug/L	2200790.402
	106 Pd	0.548364	8.609	190.002	ug/L	9.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	79.962
	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	83.391
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	87.315
	Tl	205	
	Pb	208	
>	Tm-1	169	87.640
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	83.391
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	87.315
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	87.640
	Pd	106	

Sample ID: ICSAB
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 15:19:26
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\ICSAB.015
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			3158728.352	ug/L	3860637.744
>	6	Li-1			823792.932	ug/L	1027561.118
	9	Be	90.063654	0.463	22612.516	ug/L	5.667
	27	Al	100398.655525	2.407	495608771.497	ug/L	60543.406
	44	Ca	102436.075273	0.663	35307266.188	ug/L	117983.203
	51	V	109.297766	4.396	1482886.384	ug/L	-37234.456
	52	Cr	99.360489	1.897	1175826.224	ug/L	69403.901
	55	Mn	105.323356	1.965	2042740.483	ug/L	7169.608
	54	Fe	101683.395816	0.976	97262409.720	ug/L	175796.273
	57	Fe	100251.457926	1.540	39738229.117	ug/L	35313.856
	59	Co	98.731455	5.868	1441847.132	ug/L	186.002
	60	Ni	91.670120	1.676	281911.588	ug/L	542.865
	65	Cu	87.388695	1.378	281156.217	ug/L	687.320
	68	Zn	86.947635	0.922	126181.037	ug/L	23733.517
	75	As	97.629771	1.643	352441.604	ug/L	33880.747
	82	Se	107.780237	1.855	35171.112	ug/L	775.348
	97	Mo	2293.816346	1.548	6713558.244	ug/L	98.334
>	72	Ge-1			3299473.585	ug/L	3889730.834
	107	Ag	43.805137	0.560	658914.821	ug/L	127.668
	111	Cd	91.759134	0.207	297582.733	ug/L	29.072
	121	Sb	50.304850	0.915	483951.124	ug/L	251.337
	135	Ba	104.245167	1.318	268541.903	ug/L	583.019
>	115	In-1			3451819.481	ug/L	3852456.013
	205	Tl	44.639342	1.132	991370.908	ug/L	482.013
	208	Pb	92.229352	2.949	2797849.681	ug/L	8860.100
>	169	Tm-1			2015052.886	ug/L	2200790.402
	50	Cr	265.920625	18.587	64047.513	ug/L	-1543.898
	53	Cr	92.738768	2.484	302360.639	ug/L	226274.004
	61	Ni	126.192750	5.535	11593.813	ug/L	5933.968
	63	Cu	92.589804	1.279	220530.420	ug/L	235.676
	67	Zn	114.743228	1.880	15562.993	ug/L	4291.946
	66	Zn	97.034479	2.323	64014.827	ug/L	10848.495
	76	Se	1083.008324	3.346	-502564.364	ug/L	-551626.068
	77	Se	117.711650	2.309	56363.123	ug/L	34099.119
	78	Se	103.116734	1.848	115400.583	ug/L	37032.470

	79 Br	1765.468086	15.716	146866.503	ug/L	101959.274
>	72 Ge			3299473.585	ug/L	3889730.834
	108 Cd	157.497174	1.583	36649.099	ug/L	3.817
	114 Cd	96.289071	0.605	705296.300	ug/L	102.769
	109 Ag	44.706256	0.626	225436.513	ug/L	51.667
>	115 In			3451819.481	ug/L	3852456.013
	208 207.977	94.268670	5.204	1477135.011	ug/L	4713.937
	207 Pb	89.998808	1.951	568732.545	ug/L	1861.198
	206 Pb	90.089429	1.441	751982.125	ug/L	2284.965
>	169 Tm			2015052.886	ug/L	2200790.402
	106 Pd	83.133540	0.813	27349.010	ug/L	9.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	80.170
	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	84.825
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	89.600
	Tl	205	
	Pb	208	
>	Tm-1	169	91.560
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	84.825
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	89.600
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	91.560
	Pd	106	

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

Sample ID: CCV 1
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 15:49:20
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 1.021
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			3949079.102	ug/L	3860637.744
>	6	Li-1			918598.445	ug/L	1027561.118
	9	Be	100.541320	1.355	28150.556	ug/L	5.667
	27	Al	4695.601276	1.094	29045907.177	ug/L	60543.406
	44	Ca	5066.289114	1.202	2301768.903	ug/L	117983.203
	51	V	104.403838	2.030	1769725.884	ug/L	-37234.456
	52	Cr	96.890719	8.682	1435720.879	ug/L	69403.901
	55	Mn	102.502439	3.630	2484758.313	ug/L	7169.608
	54	Fe	5191.830494	0.339	6386070.838	ug/L	175796.273
	57	Fe	5133.662053	1.704	2579715.477	ug/L	35313.856
	59	Co	102.067145	2.055	1862088.334	ug/L	186.002
	60	Ni	94.141311	2.343	361827.277	ug/L	542.865
	65	Cu	94.592771	1.580	380374.158	ug/L	687.320
	68	Zn	94.161948	3.132	168710.672	ug/L	23733.517
	75	As	93.927282	0.622	425287.277	ug/L	33880.747
	82	Se	97.121327	1.012	39709.514	ug/L	775.348
	97	Mo	188.839884	2.315	690909.613	ug/L	98.334
>	72	Ge-1			4124958.539	ug/L	3889730.834
	107	Ag	47.041170	0.600	834087.724	ug/L	127.668
	111	Cd	91.742693	2.042	350641.115	ug/L	29.072
	121	Sb	45.789414	1.446	519209.356	ug/L	251.337
	135	Ba	91.811318	2.345	278800.628	ug/L	583.019
>	115	In-1			4068805.397	ug/L	3852456.013
	205	Tl	47.695826	2.015	1247776.796	ug/L	482.013
	208	Pb	99.473427	2.003	3554710.795	ug/L	8860.100
>	169	Tm-1			2374246.228	ug/L	2200790.402
	50	Cr	84.402950	15.407	24386.823	ug/L	-1543.898
	53	Cr	74.121137	3.985	350312.004	ug/L	226274.004
	61	Ni	94.383641	9.874	12420.316	ug/L	5933.968
	63	Cu	94.209002	1.240	280496.742	ug/L	235.676
	67	Zn	93.523975	1.004	16702.537	ug/L	4291.946
	66	Zn	95.457011	1.312	78910.993	ug/L	10848.495
	76	Se	958.490821	21.420	-623370.522	ug/L	-551626.068
	77	Se	72.281971	2.752	57236.154	ug/L	34099.119
	78	Se	94.055681	1.381	135042.251	ug/L	37032.470

	79 Br	25.722082	68.790	109214.433	ug/L	101959.274
>	72 Ge			4124958.539	ug/L	3889730.834
	108 Cd	93.279656	1.663	25583.770	ug/L	3.817
	114 Cd	93.037170	1.227	803200.012	ug/L	102.769
	109 Ag	46.749187	0.700	277854.507	ug/L	51.667
>	115 In			4068805.397	ug/L	3852456.013
	208 207.977	104.179379	2.406	1922885.001	ug/L	4713.937
	207 Pb	94.938192	1.801	706763.644	ug/L	1861.198
	206 Pb	94.072075	1.424	925062.150	ug/L	2284.965
>	169 Tm			2374246.228	ug/L	2200790.402
	106 Pd	101.974902	1.677	33545.191	ug/L	9.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	89.396
	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	106.047
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	105.616
	Tl	205	
	Pb	208	
>	Tm-1	169	107.882
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	106.047
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	105.616
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	107.882
	Pd	106	

Sample ID: CCB 1
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 15:53:41
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 1.022
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			3988319.491	ug/L	3860637.744
>	6	Li-1			952537.641	ug/L	1027561.118
	9	Be	0.008458	135.166	7.667	ug/L	5.667
	27	Al	-1.371304	24.358	57256.195	ug/L	60543.406
	44	Ca	-70.967382	2.486	97200.916	ug/L	117983.203
	51	V	0.354051	175.804	-34278.136	ug/L	-37234.456
	52	Cr	-1.461187	4.646	54511.996	ug/L	69403.901
	55	Mn	-0.071627	10.115	6031.746	ug/L	7169.608
	54	Fe	-21.086692	14.236	165643.567	ug/L	175796.273
	57	Fe	-5.694380	80.871	35571.910	ug/L	35313.856
	59	Co	0.002187	37.095	243.670	ug/L	186.002
	60	Ni	-0.038309	22.409	440.198	ug/L	542.865
	65	Cu	-0.042918	8.878	571.835	ug/L	687.320
	68	Zn	-4.687339	2.727	18512.231	ug/L	23733.517
	75	As	-0.593321	30.511	34380.454	ug/L	33880.747
	82	Se	0.730077	28.352	1144.563	ug/L	775.348
	97	Mo	0.906557	26.540	3515.070	ug/L	98.334
>	72	Ge-1			4237437.575	ug/L	3889730.834
	107	Ag	0.016089	13.499	424.677	ug/L	127.668
	111	Cd	0.001735	208.396	37.783	ug/L	29.072
	121	Sb	0.007534	26.689	354.674	ug/L	251.337
	135	Ba	-0.001244	1008.164	618.689	ug/L	583.019
>	115	In-1			4113033.591	ug/L	3852456.013
	205	Tl	0.245059	24.999	7046.934	ug/L	482.013
	208	Pb	-0.052632	13.802	7813.017	ug/L	8860.100
>	169	Tm-1			2415258.959	ug/L	2200790.402
	50	Cr	0.881410	20.086	-1403.175	ug/L	-1543.898
	53	Cr	-27.885148	3.081	203849.240	ug/L	226274.004
	61	Ni	1.345955	258.919	6553.201	ug/L	5933.968
	63	Cu	-0.013764	26.145	214.674	ug/L	235.676
	67	Zn	-6.336288	24.428	3829.349	ug/L	4291.946
	66	Zn	-4.717834	7.221	8394.933	ug/L	10848.495
	76	Se	1220.956584	14.153	-651058.457	ug/L	-551626.068
	77	Se	-28.492048	2.048	28615.717	ug/L	34099.119
	78	Se	-2.620507	6.505	37600.653	ug/L	37032.470

	79 Br	-94.235358	59.906	106931.239	ug/L	101959.274
>	72 Ge			4237437.575	ug/L	3889730.834
	108 Cd	0.015750	54.037	8.447	ug/L	3.817
	114 Cd	0.002240	39.230	129.289	ug/L	102.769
	109 Ag	0.017730	5.617	161.671	ug/L	51.667
>	115 In			4113033.591	ug/L	3852456.013
	208 207.977	-0.059090	14.631	4065.278	ug/L	4713.937
	207 Pb	-0.047607	13.407	1682.495	ug/L	1861.198
	206 Pb	-0.044314	17.876	2065.244	ug/L	2284.965
>	169 Tm			2415258.959	ug/L	2200790.402
	106 Pd	0.022299	49.167	17.000	ug/L	9.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	92.699
	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	108.939
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	106.764
	Tl	205	
	Pb	208	
>	Tm-1	169	109.745
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	108.939
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	106.764
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	109.745
	Pd	106	

Sample ID: BLK RECAL
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 15:53:41
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 1.022
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			3988319.491	ug/L	
>	6	Li-1			952537.641	ug/L	
	9	Be			7.667	ug/L	
	27	Al			57256.195	ug/L	
	44	Ca			97200.916	ug/L	
	51	V			-34278.136	ug/L	
	52	Cr			54511.996	ug/L	
	55	Mn			6031.746	ug/L	
	54	Fe			165643.567	ug/L	
	57	Fe			35571.910	ug/L	
	59	Co			243.670	ug/L	
	60	Ni			440.198	ug/L	
	65	Cu			571.835	ug/L	
	68	Zn			18512.231	ug/L	
	75	As			34380.454	ug/L	
	82	Se			1144.563	ug/L	
	97	Mo			3515.070	ug/L	
>	72	Ge-1			4237437.575	ug/L	
	107	Ag			424.677	ug/L	
	111	Cd			37.783	ug/L	
	121	Sb			354.674	ug/L	
	135	Ba			618.689	ug/L	
>	115	In-1			4113033.591	ug/L	
	205	Tl			7046.934	ug/L	
	208	Pb			7813.017	ug/L	
>	169	Tm-1			2415258.959	ug/L	
	50	Cr			-1403.175	ug/L	
	53	Cr			203849.240	ug/L	
	61	Ni			6553.201	ug/L	
	63	Cu			214.674	ug/L	
	67	Zn			3829.349	ug/L	
	66	Zn			8394.933	ug/L	
	76	Se			-651058.457	ug/L	
	77	Se			28615.717	ug/L	
	78	Se			37600.653	ug/L	

	79 Br	106931.239	ug/L
>	72 Ge	4237437.575	ug/L
	108 Cd	8.447	ug/L
	114 Cd	129.289	ug/L
	109 Ag	161.671	ug/L
>	115 In	4113033.591	ug/L
	208 207.977	4065.278	ug/L
	207 Pb	1682.495	ug/L
	206 Pb	2065.244	ug/L
>	169 Tm	2415258.959	ug/L
	106 Pd	17.000	ug/L

Internal Standard Recoveries

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

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

Sample ID: STD1 RECAL
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 15:49:20
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 1.021
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			3949079.102	ug/L	3988319.491
>	6	Li-1			918598.445	ug/L	952537.641
	9	Be	100.000000	1.355	28150.556	ug/L	7.667
	27	Al	5100.000000	1.093	29045907.177	ug/L	57256.195
	44	Ca	5100.000000	1.185	2301768.903	ug/L	97200.916
	51	V	100.000000	2.037	1769725.884	ug/L	-34278.136
	52	Cr	100.000000	8.553	1435720.879	ug/L	54511.996
	55	Mn	100.000000	3.628	2484758.313	ug/L	6031.746
	54	Fe	5100.000000	0.338	6386070.838	ug/L	165643.567
	57	Fe	5100.000000	1.702	2579715.477	ug/L	35571.910
	59	Co	100.000000	2.056	1862088.334	ug/L	243.670
	60	Ni	100.000000	2.342	361827.277	ug/L	440.198
	65	Cu	100.000000	1.579	380374.158	ug/L	571.835
	68	Zn	100.000000	2.984	168710.672	ug/L	18512.231
	75	As	100.000000	0.618	425287.277	ug/L	34380.454
	82	Se	100.000000	1.020	39709.514	ug/L	1144.563
	97	Mo	200.000000	2.326	690909.613	ug/L	3515.070
>	72	Ge-1			4124958.539	ug/L	4237437.575
	107	Ag	50.000000	0.600	834087.724	ug/L	424.677
	111	Cd	100.000000	2.042	350641.115	ug/L	37.783
	121	Sb	50.000000	1.447	519209.356	ug/L	354.674
	135	Ba	100.000000	2.345	278800.628	ug/L	618.689
>	115	In-1			4068805.397	ug/L	4113033.591
	205	Tl	50.000000	2.025	1247776.796	ug/L	7046.934
	208	Pb	100.000000	2.002	3554710.795	ug/L	7813.017
>	169	Tm-1			2374246.228	ug/L	2415258.959
	50	Cr	100.000000	15.570	24386.823	ug/L	-1403.175
	53	Cr	100.000000	2.896	350312.004	ug/L	203849.240
	61	Ni	100.000000	10.015	12420.316	ug/L	6553.201
	63	Cu	100.000000	1.240	280496.742	ug/L	214.674
	67	Zn	100.000000	0.940	16702.537	ug/L	3829.349
	66	Zn	100.000000	1.250	78910.993	ug/L	8394.933
	76	Se	100.000000	78.445	-623370.522	ug/L	-651058.457
	77	Se	100.000000	1.974	57236.154	ug/L	28615.717
	78	Se	100.000000	1.344	135042.251	ug/L	37600.653

79	Br	100.000000	14.741	109214.433	ug/L	106931.239
> 72	Ge			4124958.539	ug/L	4237437.575
108	Cd	100.000000	1.663	25583.770	ug/L	8.447
114	Cd	100.000000	1.227	803200.012	ug/L	129.289
109	Ag	50.000000	0.700	277854.507	ug/L	161.671
> 115	In			4068805.397	ug/L	4113033.591
208	207.977	100.000000	2.404	1922885.001	ug/L	4065.278
207	Pb	100.000000	1.800	706763.644	ug/L	1682.495
206	Pb	100.000000	1.423	925062.150	ug/L	2065.244
> 169	Tm			2374246.228	ug/L	2415258.959
106	Pd	100.000000	1.678	33545.191	ug/L	17.000

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 2
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 15:58:01
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 2.023
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			3909608.410	ug/L	3988319.491
>	6	Li-1			946481.020	ug/L	952537.641
	9	Be	99.651609	0.216	28902.323	ug/L	7.667
	27	Al	5125.486690	0.708	29503296.854	ug/L	57256.195
	44	Ca	5133.675536	0.670	2341590.969	ug/L	97200.916
	51	V	96.446191	0.719	1723974.630	ug/L	-34278.136
	52	Cr	94.511231	3.860	1373609.464	ug/L	54511.996
	55	Mn	96.496362	1.386	2425057.876	ug/L	6031.746
	54	Fe	5030.805757	2.474	6367586.917	ug/L	165643.567
	57	Fe	5012.578259	2.249	2563249.420	ug/L	35571.910
	59	Co	101.535864	2.009	1911168.791	ug/L	243.670
	60	Ni	99.083593	2.302	362401.783	ug/L	440.198
	65	Cu	99.553242	0.766	382838.754	ug/L	571.835
	68	Zn	95.607619	1.811	163862.289	ug/L	18512.231
	75	As	98.925945	3.028	425559.582	ug/L	34380.454
	82	Se	98.846415	2.824	39674.115	ug/L	1144.563
	97	Mo	196.352565	2.887	685663.891	ug/L	3515.070
>	72	Ge-1			4169679.500	ug/L	4237437.575
	107	Ag	50.079907	0.449	832526.433	ug/L	424.677
	111	Cd	101.917314	0.979	356199.311	ug/L	37.783
	121	Sb	50.548430	0.874	523154.860	ug/L	354.674
	135	Ba	101.677517	1.687	282540.763	ug/L	618.689
>	115	In-1			4054943.428	ug/L	4113033.591
	205	Tl	50.673777	1.920	1263842.967	ug/L	7046.934
	208	Pb	99.651667	1.279	3540618.201	ug/L	7813.017
>	169	Tm-1			2372697.186	ug/L	2415258.959
	50	Cr	118.433149	3.623	29367.264	ug/L	-1403.175
	53	Cr	95.332527	4.517	346897.077	ug/L	203849.240
	61	Ni	91.791872	2.758	12058.891	ug/L	6553.201
	63	Cu	97.389357	2.147	276106.058	ug/L	214.674
	67	Zn	92.855924	2.180	15942.904	ug/L	3829.349
	66	Zn	94.223285	3.693	75618.220	ug/L	8394.933
	76	Se	83.848243	187.330	-632000.751	ug/L	-651058.457
	77	Se	98.284927	3.239	57326.489	ug/L	28615.717
	78	Se	96.948629	3.690	133441.828	ug/L	37600.653

79 Br	45.230879	67.936	107546.702	ug/L	106931.239
72 Ge			4169679.500	ug/L	4237437.575
108 Cd	101.156300	1.015	25794.815	ug/L	8.447
114 Cd	100.864388	1.090	807440.303	ug/L	129.289
109 Ag	50.402406	2.664	279114.817	ug/L	161.671
115 In			4054943.428	ug/L	4113033.591
208 207.977	98.829446	1.402	1899598.943	ug/L	4065.278
207 Pb	101.124750	1.440	714313.141	ug/L	1682.495
206 Pb	100.235851	1.644	926706.117	ug/L	2065.244
169 Tm			2372697.186	ug/L	2415258.959
106 Pd	100.572850	1.414	33737.257	ug/L	17.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	99.364
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	98.401
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	98.588
Tl	205	
Pb	208	
Tm-1	169	98.238
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	98.401
Cd	108	
Cd	114	
Ag	109	
In	115	98.588
207.977	208	
Pb	207	
Pb	206	
Tm	169	98.238
Pd	106	

Sample ID: CCB 2
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 16:02:22
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 2.024
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			4120272.302	ug/L	3988319.491
>	6	Li-1			946064.090	ug/L	952537.641
	9	Be	-0.011325	35.038	4.333	ug/L	7.667
	27	Al	-0.081243	190.331	58079.147	ug/L	57256.195
	44	Ca	-4.892567	13.801	97196.862	ug/L	97200.916
	51	V	0.086597	214.046	-33415.616	ug/L	-34278.136
	52	Cr	0.022938	321.225	56087.542	ug/L	54511.996
	55	Mn	0.000760	1655.354	6189.192	ug/L	6031.746
	54	Fe	1.994694	194.763	171977.719	ug/L	165643.567
	57	Fe	1.369576	106.005	37106.126	ug/L	35571.910
	59	Co	0.001228	116.954	273.338	ug/L	243.670
	60	Ni	-0.001094	909.597	446.243	ug/L	440.198
	65	Cu	0.006730	163.383	611.871	ug/L	571.835
	68	Zn	-0.105981	853.144	18772.873	ug/L	18512.231
	75	As	-0.530004	37.351	32983.463	ug/L	34380.454
	82	Se	0.049711	421.867	1191.071	ug/L	1144.563
	97	Mo	-0.013258	1782.401	3547.413	ug/L	3515.070
>	72	Ge-1			4334316.128	ug/L	4237437.575
	107	Ag	0.000821	363.046	443.345	ug/L	424.677
	111	Cd	0.000340	882.816	39.378	ug/L	37.783
	121	Sb	-0.002725	20.403	329.673	ug/L	354.674
	135	Ba	0.001701	175.480	630.356	ug/L	618.689
>	115	In-1			4159075.618	ug/L	4113033.591
	205	Tl	0.041848	172.624	8099.197	ug/L	7046.934
	208	Pb	0.004741	305.165	7994.776	ug/L	7813.017
>	169	Tm-1			2417398.113	ug/L	2415258.959
	50	Cr	0.194194	104.599	-1382.694	ug/L	-1403.175
	53	Cr	-3.792492	117.218	202443.026	ug/L	203849.240
	61	Ni	-4.390078	82.582	6423.600	ug/L	6553.201
	63	Cu	0.002070	53.544	225.675	ug/L	214.674
	67	Zn	-0.226633	574.821	3886.419	ug/L	3829.349
	66	Zn	-0.209600	475.278	8433.764	ug/L	8394.933
	76	Se	89.472421	330.906	-656043.968	ug/L	-651058.457
	77	Se	-0.763482	52.999	29034.014	ug/L	28615.717
	78	Se	-0.809271	25.776	37622.386	ug/L	37600.653

	79	Br	-42.483483	135.309	107084.317	ug/L	106931.239
>	72	Ge			4334316.128	ug/L	4237437.575
	108	Cd	0.018193	82.529	13.274	ug/L	8.447
	114	Cd	0.002847	5.191	154.096	ug/L	129.289
	109	Ag	-0.000763	506.222	159.004	ug/L	161.671
>	115	In			4159075.618	ug/L	4113033.591
	208	207.977	0.009184	191.321	4250.705	ug/L	4065.278
	207	Pb	0.002555	513.324	1702.833	ug/L	1682.495
	206	Pb	-0.002826	401.718	2041.239	ug/L	2065.244
>	169	Tm			2417398.113	ug/L	2415258.959
	106	Pd	-0.003977	354.436	15.667	ug/L	17.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	99.320
	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	102.286
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.119
	Tl	205	
	Pb	208	
>	Tm-1	169	100.089
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.286
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.119
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	100.089
	Pd	106	

Sample ID: CCV 3
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 16:45:24
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 3.034
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			4020184.970	ug/L	3988319.491
>	6	Li-1			971210.530	ug/L	952537.641
	9	Be	98.152525	0.604	29210.686	ug/L	7.667
	27	Al	5282.784416	2.469	30517535.034	ug/L	57256.195
	44	Ca	5084.800823	3.164	2328942.757	ug/L	97200.916
	51	V	98.889545	1.198	1774995.119	ug/L	-34278.136
	52	Cr	93.851944	0.341	1369912.375	ug/L	54511.996
	55	Mn	96.841155	1.261	2442111.858	ug/L	6031.746
	54	Fe	5071.149311	1.817	6441337.011	ug/L	165643.567
	57	Fe	4996.012606	0.294	2564256.606	ug/L	35571.910
	59	Co	99.392923	0.156	1877898.668	ug/L	243.670
	60	Ni	97.704356	1.945	358716.658	ug/L	440.198
	65	Cu	98.606220	3.544	380450.264	ug/L	571.835
	68	Zn	94.838328	1.874	163277.876	ug/L	18512.231
	75	As	97.251511	1.320	420473.743	ug/L	34380.454
	82	Se	98.521088	2.104	39695.364	ug/L	1144.563
	97	Mo	194.935689	1.762	683311.457	ug/L	3515.070
>	72	Ge-1			4184242.902	ug/L	4237437.575
	107	Ag	49.641257	1.866	815923.940	ug/L	424.677
	111	Cd	101.002531	1.672	349009.965	ug/L	37.783
	121	Sb	49.928593	0.800	510944.360	ug/L	354.674
	135	Ba	99.110691	1.437	272350.014	ug/L	618.689
>	115	In-1			4009526.288	ug/L	4113033.591
	205	Tl	50.281872	2.186	1242359.308	ug/L	7046.934
	208	Pb	99.101374	0.939	3488278.231	ug/L	7813.017
>	169	Tm-1			2350575.390	ug/L	2415258.959
	50	Cr	117.980715	6.795	29352.384	ug/L	-1403.175
	53	Cr	100.889261	4.020	356697.645	ug/L	203849.240
	61	Ni	94.817160	7.747	12287.127	ug/L	6553.201
	63	Cu	96.117137	2.874	273479.960	ug/L	214.674
	67	Zn	92.792977	1.776	15992.826	ug/L	3829.349
	66	Zn	95.308976	1.784	76682.147	ug/L	8394.933
	76	Se	10.074155	845.483	-641877.862	ug/L	-651058.457
	77	Se	98.758244	2.041	57678.440	ug/L	28615.717
	78	Se	93.438438	0.443	130444.796	ug/L	37600.653

	79 Br	18.709484	119.079	106565.753	ug/L	106931.239
->	72 Ge			4184242.902	ug/L	4237437.575
	108 Cd	101.303574	1.568	25540.062	ug/L	8.447
	114 Cd	100.345347	1.336	794248.038	ug/L	129.289
	109 Ag	50.537948	1.911	276723.569	ug/L	161.671
->	115 In			4009526.288	ug/L	4113033.591
	208 207.977	98.515148	1.080	1875913.561	ug/L	4065.278
	207 Pb	99.644466	0.570	697337.301	ug/L	1682.495
	206 Pb	99.905337	1.362	915027.368	ug/L	2065.244
->	169 Tm			2350575.390	ug/L	2415258.959
	106 Pd	98.107836	1.210	32910.782	ug/L	17.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
->	Li-1	6	101.960
	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	98.745
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
->	In-1	115	97.483
	Tl	205	
	Pb	208	
->	Tm-1	169	97.322
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
->	Ge	72	98.745
	Cd	108	
	Cd	114	
	Ag	109	
->	In	115	97.483
	207.977	208	
	Pb	207	
	Pb	206	
->	Tm	169	97.322
	Pd	106	

Sample ID: CCB 3
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 16:49:45
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 3.035
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			4043822.371	ug/L	3988319.491
>	6	Li-1			961113.274	ug/L	952537.641
	9	Be	-0.005863	253.420	6.000	ug/L	7.667
	27	Al	0.340525	35.916	59021.741	ug/L	57256.195
	44	Ca	-8.190590	31.004	93204.112	ug/L	97200.916
	51	V	-0.675593	64.713	-46661.741	ug/L	-34278.136
	52	Cr	0.439730	7.253	60532.360	ug/L	54511.996
	55	Mn	-0.004162	257.187	5901.992	ug/L	6031.746
	54	Fe	4.951254	50.871	171200.371	ug/L	165643.567
	57	Fe	1.392246	74.361	36151.325	ug/L	35571.910
	59	Co	0.003382	27.958	307.339	ug/L	243.670
	60	Ni	-0.009843	58.046	402.256	ug/L	440.198
	65	Cu	-0.000359	1258.695	568.219	ug/L	571.835
	68	Zn	-2.855426	18.083	14043.293	ug/L	18512.231
	75	As	-0.137942	388.450	33692.378	ug/L	34380.454
	82	Se	0.083488	132.923	1173.145	ug/L	1144.563
	97	Mo	-0.153447	115.922	2965.852	ug/L	3515.070
>	72	Ge-1			4221660.030	ug/L	4237437.575
	107	Ag	0.010602	23.635	598.687	ug/L	424.677
	111	Cd	0.005053	23.265	55.226	ug/L	37.783
	121	Sb	0.072306	5.872	1104.737	ug/L	354.674
	135	Ba	-0.011821	65.815	580.686	ug/L	618.689
>	115	In-1			4080577.131	ug/L	4113033.591
	205	Tl	0.011925	509.519	7188.041	ug/L	7046.934
	208	Pb	-0.017815	45.897	7008.448	ug/L	7813.017
>	169	Tm-1			2361086.747	ug/L	2415258.959
	50	Cr	0.029187	253.330	-1390.349	ug/L	-1403.175
	53	Cr	5.040529	53.875	210947.511	ug/L	203849.240
	61	Ni	-7.524068	29.242	6063.212	ug/L	6553.201
	63	Cu	-0.001006	199.918	211.007	ug/L	214.674
	67	Zn	-1.901507	26.737	3563.031	ug/L	3829.349
	66	Zn	-3.086210	5.257	6129.676	ug/L	8394.933
	76	Se	-26.929805	79.371	-651529.876	ug/L	-651058.457
	77	Se	1.077687	51.186	28832.884	ug/L	28615.717
	78	Se	-0.931656	44.681	36519.777	ug/L	37600.653

	79 Br	-62.435404	78.168	103265.424	ug/L	106931.239
->	72 Ge			4221660.030	ug/L	4237437.575
	108 Cd	-0.013165	74.189	4.991	ug/L	8.447
	114 Cd	0.002657	106.298	149.730	ug/L	129.289
	109 Ag	0.007966	69.566	205.007	ug/L	161.671
->	115 In			4080577.131	ug/L	4113033.591
	208 207.977	-0.011177	106.487	3760.143	ug/L	4065.278
	207 Pb	-0.026862	28.170	1456.121	ug/L	1682.495
	206 Pb	-0.024705	18.108	1792.184	ug/L	2065.244
->	169 Tm			2361086.747	ug/L	2415258.959
	106 Pd	-0.012924	109.057	12.667	ug/L	17.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
->	Li-1	6	100.900
	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	99.628
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
->	In-1	115	99.211
	Tl	205	
	Pb	208	
->	Tm-1	169	97.757
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
->	Ge	72	99.628
	Cd	108	
	Cd	114	
	Ag	109	
->	In	115	99.211
	207.977	208	
	Pb	207	
	Pb	206	
->	Tm	169	97.757
	Pd	106	

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

Sample ID: CCV 4
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 16:54:06
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 4.036
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			4024251.901	ug/L	3988319.491
6	Li-1			972745.332	ug/L	952537.641
9	Be	98.958826	1.476	29495.298	ug/L	7.667
27	Al	5407.171072	2.573	31207700.687	ug/L	57256.195
44	Ca	5248.038081	0.767	2398119.580	ug/L	97200.916
51	V	101.977427	3.980	1830007.070	ug/L	-34278.136
52	Cr	104.729304	7.249	1521342.954	ug/L	54511.996
55	Mn	99.445969	2.592	2505842.923	ug/L	6031.746
54	Fe	5122.853857	1.718	6500231.119	ug/L	165643.567
57	Fe	5117.530912	2.760	2623658.570	ug/L	35571.910
59	Co	100.915672	1.057	1905090.243	ug/L	243.670
60	Ni	99.871655	1.494	366378.029	ug/L	440.198
65	Cu	97.905932	1.780	377542.303	ug/L	571.835
68	Zn	96.474699	0.961	165649.705	ug/L	18512.231
75	As	99.055471	0.807	427322.825	ug/L	34380.454
82	Se	97.684523	1.008	39339.454	ug/L	1144.563
97	Mo	197.532817	1.006	691873.851	ug/L	3515.070
72	Ge-1			4180707.973	ug/L	4237437.575
107	Ag	49.253771	0.501	813897.271	ug/L	424.677
111	Cd	101.568362	0.859	352877.521	ug/L	37.783
121	Sb	50.448725	0.960	518978.866	ug/L	354.674
135	Ba	100.535771	0.833	277706.764	ug/L	618.689
115	In-1			4030574.855	ug/L	4113033.591
205	Tl	49.957745	1.360	1252068.644	ug/L	7046.934
208	Pb	100.150177	0.414	3575467.392	ug/L	7813.017
169	Tm-1			2384078.956	ug/L	2415258.959
50	Cr	112.487963	8.038	27919.270	ug/L	-1403.175
53	Cr	101.795841	2.636	357806.497	ug/L	203849.240
61	Ni	89.531850	10.159	11953.180	ug/L	6553.201
63	Cu	95.760746	1.083	272290.265	ug/L	214.674
67	Zn	94.508441	1.173	16205.582	ug/L	3829.349
66	Zn	94.000149	0.111	75686.261	ug/L	8394.933
76	Se	-1.100199	7767.123	-642436.444	ug/L	-651058.457
77	Se	99.371208	3.908	57817.454	ug/L	28615.717
78	Se	97.935861	0.144	134824.075	ug/L	37600.653

79	Br	7.262395	568.945	105878.997	ug/L	106931.239
72	Ge			4180707.973	ug/L	4237437.575
108	Cd	100.824634	0.740	25557.031	ug/L	8.447
114	Cd	100.933343	0.298	803189.932	ug/L	129.289
109	Ag	50.650197	0.913	278844.622	ug/L	161.671
115	In			4030574.855	ug/L	4113033.591
208	207.977	100.072168	0.998	1932648.859	ug/L	4065.278
207	Pb	99.260929	0.304	704600.373	ug/L	1682.495
206	Pb	100.991695	0.495	938218.160	ug/L	2065.244
169	Tm			2384078.956	ug/L	2415258.959
106	Pd	99.647678	0.728	33427.063	ug/L	17.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	102.121
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	98.661
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	97.995
Tl	205	
Pb	208	
Tm-1	169	98.709
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	98.661
Cd	108	
Cd	114	
Ag	109	
In	115	97.995
207.977	208	
Pb	207	
Pb	206	
Tm	169	98.709
Pd	106	

Sample ID: CCB 4
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 16:58:26
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 4.037
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			4162585.135	ug/L	3988319.491
>	6	Li-1			981542.980	ug/L	952537.641
	9	Be	-0.007375	72.037	5.667	ug/L	7.667
	27	Al	0.169779	262.168	58469.841	ug/L	57256.195
	44	Ca	-10.734278	38.100	92799.516	ug/L	97200.916
	51	V	-0.407297	74.060	-41962.672	ug/L	-34278.136
	52	Cr	0.302958	41.195	59044.578	ug/L	54511.996
	55	Mn	-0.000172	4193.121	6053.762	ug/L	6031.746
	54	Fe	1.698572	423.988	168391.677	ug/L	165643.567
	57	Fe	2.322695	50.595	36912.759	ug/L	35571.910
	59	Co	0.004888	30.675	338.340	ug/L	243.670
	60	Ni	-0.017838	8.481	375.567	ug/L	440.198
	65	Cu	-0.003722	415.677	559.707	ug/L	571.835
	68	Zn	-2.497071	30.351	14709.077	ug/L	18512.231
	75	As	-0.508610	78.849	32460.519	ug/L	34380.454
	82	Se	-0.001446	5668.275	1148.523	ug/L	1144.563
	97	Mo	-0.145231	160.805	3006.540	ug/L	3515.070
>	72	Ge-1			4255282.958	ug/L	4237437.575
	107	Ag	0.008257	22.696	561.351	ug/L	424.677
	111	Cd	0.007356	65.257	63.499	ug/L	37.783
	121	Sb	0.054004	14.208	917.382	ug/L	354.674
	135	Ba	-0.001814	613.438	610.688	ug/L	618.689
>	115	In-1			4094166.193	ug/L	4113033.591
	205	Tl	0.043705	154.462	8045.811	ug/L	7046.934
	208	Pb	-0.009134	173.530	7380.217	ug/L	7813.017
>	169	Tm-1			2382493.032	ug/L	2415258.959
	50	Cr	-0.051478	496.455	-1422.063	ug/L	-1403.175
	53	Cr	1.606035	359.517	207135.378	ug/L	203849.240
	61	Ni	-8.238734	75.407	6064.893	ug/L	6553.201
	63	Cu	0.003054	103.049	224.341	ug/L	214.674
	67	Zn	-1.590516	74.098	3631.778	ug/L	3829.349
	66	Zn	-2.646780	27.755	6498.448	ug/L	8394.933
	76	Se	-91.839398	163.529	-663874.158	ug/L	-651058.457
	77	Se	0.062623	2512.180	28751.363	ug/L	28615.717
	78	Se	-1.072155	29.527	36666.955	ug/L	37600.653

	79 Br	-57.922536	126.824	104276.616	ug/L	106931.239
>	72 Ge			4255282.958	ug/L	4237437.575
	108 Cd	0.009850	235.436	10.966	ug/L	8.447
	114 Cd	0.005762	29.749	175.325	ug/L	129.289
	109 Ag	0.007034	62.999	200.340	ug/L	161.671
>	115 In			4094166.193	ug/L	4113033.591
	208 207.977	-0.006888	237.369	3876.529	ug/L	4065.278
	207 Pb	-0.007050	363.350	1609.483	ug/L	1682.495
	206 Pb	-0.015396	78.389	1894.205	ug/L	2065.244
>	169 Tm			2382493.032	ug/L	2415258.959
	106 Pd	-0.004971	150.997	15.333	ug/L	17.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.045
	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	100.421
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.541
	Tl	205	
	Pb	208	
>	Tm-1	169	98.643
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	100.421
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.541
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.643
	Pd	106	

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

Sample ID: CCV 5
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 17:41:39
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 5.047
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			3934795.119	ug/L	3988319.491
>	6	Li-1			984228.368	ug/L	952537.641
	9	Be	98.492526	2.117	29698.315	ug/L	7.667
	27	Al	5479.808412	3.524	31351900.870	ug/L	57256.195
	44	Ca	5187.519543	1.577	2351806.239	ug/L	97200.916
	51	V	106.576087	0.233	1897907.158	ug/L	-34278.136
	52	Cr X	111.247448	0.771	1599015.903	ug/L	54511.996
	55	Mn	100.219654	1.827	2503744.237	ug/L	6031.746
	54	Fe	5123.006349	1.951	6445640.479	ug/L	165643.567
	57	Fe	5125.439832	1.837	2606151.305	ug/L	35571.910
	59	Co	101.090311	1.694	1892743.765	ug/L	243.670
	60	Ni	97.738317	0.224	355575.502	ug/L	440.198
	65	Cu	96.955685	2.482	370674.547	ug/L	571.835
	68	Zn	93.296066	2.192	159429.364	ug/L	18512.231
	75	As	97.461351	1.591	417439.281	ug/L	34380.454
	82	Se	99.306400	1.035	39640.917	ug/L	1144.563
	97	Mo	196.323458	2.042	681822.944	ug/L	3515.070
>	72	Ge-1			4145997.374	ug/L	4237437.575
	107	Ag	50.225477	1.597	811843.092	ug/L	424.677
	111	Cd	101.861689	1.383	346164.285	ug/L	37.783
	121	Sb	50.655529	1.009	509793.761	ug/L	354.674
	135	Ba	101.103858	1.540	273196.234	ug/L	618.689
>	115	In-1			3943009.662	ug/L	4113033.591
	205	Tl	49.875014	0.712	1219726.696	ug/L	7046.934
	208	Pb	100.277959	0.877	3493101.885	ug/L	7813.017
>	169	Tm-1			2326203.795	ug/L	2415258.959
	50	Cr	122.174238	5.255	30198.213	ug/L	-1403.175
	53	Cr	102.082675	1.230	355279.583	ug/L	203849.240
	61	Ni	88.483990	6.266	11788.532	ug/L	6553.201
	63	Cu	95.958643	1.677	270544.555	ug/L	214.674
	67	Zn	92.000391	3.438	15739.541	ug/L	3829.349
	66	Zn	92.824665	2.341	74207.097	ug/L	8394.933
	76	Se	-59.110712	118.841	-643267.433	ug/L	-651058.457
	77	Se	100.632922	0.986	57706.243	ug/L	28615.717
	78	Se	96.407314	1.342	132185.302	ug/L	37600.653

	79 Br	-10.723830	174.359	104078.652	ug/L	106931.239
>	72 Ge			4145997.374	ug/L	4237437.575
	108 Cd	101.134302	1.470	25075.747	ug/L	8.447
	114 Cd	100.668722	1.113	783624.851	ug/L	129.289
	109 Ag	50.972545	1.069	274499.899	ug/L	161.671
>	115 In			3943009.662	ug/L	4113033.591
	208 207.977	100.050924	0.690	1885395.544	ug/L	4065.278
	207 Pb	100.199297	1.101	693964.792	ug/L	1682.495
	206 Pb	100.810093	1.863	913741.549	ug/L	2065.244
>	169 Tm			2326203.795	ug/L	2415258.959
	106 Pd	97.671729	0.496	32764.564	ug/L	17.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.327
	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	97.842
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	95.866
	Tl	205	
	Pb	208	
>	Tm-1	169	96.313
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	97.842
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	95.866
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	96.313
	Pd	106	

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

Sample ID: CCB 5
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 17:46:00
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 5.048
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			4084863.307	ug/L	3988319.491
>	6	Li-1			990596.515	ug/L	952537.641
	9	Be	0.003452	264.363	9.000	ug/L	7.667
	27	Al	0.735559	48.414	62126.143	ug/L	57256.195
	44	Ca	-15.790120	23.521	91038.821	ug/L	97200.916
	51	V	-0.421224	81.612	-42517.974	ug/L	-34278.136
	52	Cr	0.261100	52.118	58763.355	ug/L	54511.996
	55	Mn	-0.010090	134.564	5827.943	ug/L	6031.746
	54	Fe	1.928673	202.853	169640.670	ug/L	165643.567
	57	Fe	3.845880	23.524	37906.412	ug/L	35571.910
	59	Co	0.008168	8.926	403.676	ug/L	243.670
	60	Ni	-0.024875	33.308	350.987	ug/L	440.198
	65	Cu	-0.019527	41.058	500.110	ug/L	571.835
	68	Zn	-4.734275	9.588	11282.948	ug/L	18512.231
	75	As	-0.208522	156.393	33852.609	ug/L	34380.454
	82	Se	-0.002299	3116.089	1154.454	ug/L	1144.563
	97	Mo	-0.226032	96.487	2743.120	ug/L	3515.070
>	72	Ge-1			4278762.728	ug/L	4237437.575
	107	Ag	0.015487	7.957	676.359	ug/L	424.677
	111	Cd	0.007739	33.900	64.246	ug/L	37.783
	121	Sb	0.090667	7.104	1287.428	ug/L	354.674
	135	Ba	0.000539	3235.271	612.022	ug/L	618.689
>	115	In-1			4057276.924	ug/L	4113033.591
	205	Tl	0.025261	260.003	7565.037	ug/L	7046.934
	208	Pb	-0.036060	17.377	6410.591	ug/L	7813.017
>	169	Tm-1			2377691.002	ug/L	2415258.959
	50	Cr	0.020147	1163.609	-1410.748	ug/L	-1403.175
	53	Cr	-0.954804	363.939	204289.639	ug/L	203849.240
	61	Ni	-11.087010	23.617	5920.940	ug/L	6553.201
	63	Cu	-0.006055	103.409	199.006	ug/L	214.674
	67	Zn	-3.367695	42.030	3412.198	ug/L	3829.349
	66	Zn	-4.910835	13.516	4866.803	ug/L	8394.933
	76	Se	-113.119182	92.308	-669793.670	ug/L	-651058.457
	77	Se	-5.075779	31.113	27344.548	ug/L	28615.717
	78	Se	-1.770508	42.663	36151.703	ug/L	37600.653

79	Br	-110.738783	63.817	102041.306	ug/L	106931.239
> 72	Ge			4278762.728	ug/L	4237437.575
108	Cd	0.027926	132.799	15.372	ug/L	8.447
114	Cd	0.007952	22.493	191.062	ug/L	129.289
109	Ag	0.013834	28.413	236.009	ug/L	161.671
> 115	In			4057276.924	ug/L	4113033.591
208	207.977	-0.030739	20.219	3411.332	ug/L	4065.278
207	Pb	-0.039165	14.805	1379.776	ug/L	1682.495
206	Pb	-0.044752	17.645	1619.483	ug/L	2065.244
> 169	Tm			2377691.002	ug/L	2415258.959
106	Pd	-0.015907	28.641	11.667	ug/L	17.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.996
	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	100.975
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.644
	Tl	205	
	Pb	208	
>	Tm-1	169	98.445
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	100.975
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.644
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.445
	Pd	106	

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

Sample ID: CCV 6
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 17:50:21
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 6.049
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			3941081.328	ug/L	3988319.491
>	6	Li-1			994339.861	ug/L	952537.641
	9	Be	96.497274	0.842	29402.320	ug/L	7.667
	27	Al	5302.302329	1.747	30649340.652	ug/L	57256.195
	44	Ca	5110.500964	0.932	2341745.278	ug/L	97200.916
	51	V	96.569680	4.565	1734340.706	ug/L	-34278.136
	52	Cr	98.385226	8.443	1435391.409	ug/L	54511.996
	55	Mn	97.555495	2.822	2461661.264	ug/L	6031.746
	54	Fe	4982.496199	1.257	6337218.359	ug/L	165643.567
	57	Fe	5009.599144	3.117	2573846.761	ug/L	35571.910
	59	Co	98.863558	1.098	1869272.628	ug/L	243.670
	60	Ni	95.907613	1.489	352384.565	ug/L	440.198
	65	Cu	95.728526	1.607	369709.309	ug/L	571.835
	68	Zn	91.100155	3.108	157667.778	ug/L	18512.231
	75	As	95.227385	3.230	412699.113	ug/L	34380.454
	82	Se	96.845474	1.248	39072.580	ug/L	1144.563
	97	Mo	191.288515	0.642	671192.032	ug/L	3515.070
>	72	Ge-1			4187632.386	ug/L	4237437.575
	107	Ag	49.576025	1.857	808353.723	ug/L	424.677
	111	Cd	100.397001	1.613	344181.938	ug/L	37.783
	121	Sb	50.232792	1.740	509954.145	ug/L	354.674
	135	Ba	99.264542	2.473	270560.165	ug/L	618.689
>	115	In-1			3977953.776	ug/L	4113033.591
	205	Tl	50.179582	2.075	1231319.109	ug/L	7046.934
	208	Pb	98.877412	0.812	3456316.726	ug/L	7813.017
>	169	Tm-1			2334258.814	ug/L	2415258.959
	50	Cr	108.714122	6.329	26964.986	ug/L	-1403.175
	53	Cr	97.512660	2.613	351815.388	ug/L	203849.240
	61	Ni	83.896569	2.410	11628.602	ug/L	6553.201
	63	Cu	93.771200	2.699	267023.376	ug/L	214.674
	67	Zn	89.480543	0.889	15569.021	ug/L	3829.349
	66	Zn	89.565492	1.159	72620.447	ug/L	8394.933
	76	Se	-51.572519	331.460	-648991.101	ug/L	-651058.457
	77	Se	98.981094	3.148	57792.316	ug/L	28615.717
	78	Se	94.694730	2.845	131788.961	ug/L	37600.653

	79 Br	-61.122901	19.688	102492.548	ug/L	106931.239
>	72 Ge			4187632.386	ug/L	4237437.575
	108 Cd	100.133934	3.073	25041.223	ug/L	8.447
	114 Cd	99.830141	1.412	783899.299	ug/L	129.289
	109 Ag	50.216833	2.273	272777.427	ug/L	161.671
>	115 In			3977953.776	ug/L	4113033.591
	208 207.977	98.003882	0.729	1853269.553	ug/L	4065.278
	207 Pb	99.489078	0.757	691426.240	ug/L	1682.495
	206 Pb	100.226337	1.542	911620.933	ug/L	2065.244
>	169 Tm			2334258.814	ug/L	2415258.959
	106 Pd	97.151820	0.470	32590.248	ug/L	17.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	104.389
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	98.825
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	96.716
	Tl	205	
	Pb	208	
>	Tm-1	169	96.646
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	98.825
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	96.716
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	96.646
	Pd	106	

Sample ID: CCB 6
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 17:54:41
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 6.050
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			4074463.060	ug/L	3988319.491
>	6	Li-1			991014.429	ug/L	952537.641
	9	Be	0.001132	917.196	8.333	ug/L	7.667
	27	Al	0.630933	54.532	61553.886	ug/L	57256.195
	44	Ca	-17.463250	25.046	90329.896	ug/L	97200.916
	51	V	0.261215	179.990	-29678.655	ug/L	-34278.136
	52	Cr	0.253209	1.741	58698.582	ug/L	54511.996
	55	Mn	-0.010010	115.331	5833.279	ug/L	6031.746
	54	Fe	4.361541	31.516	172853.181	ug/L	165643.567
	57	Fe	2.797344	117.871	37370.151	ug/L	35571.910
	59	Co	0.010017	20.267	440.011	ug/L	243.670
	60	Ni	-0.027529	20.392	341.365	ug/L	440.198
	65	Cu	-0.013649	50.722	523.872	ug/L	571.835
	68	Zn	-4.417537	12.607	11797.319	ug/L	18512.231
	75	As	-0.230158	148.950	33789.408	ug/L	34380.454
	82	Se	0.173117	132.034	1224.773	ug/L	1144.563
	97	Mo	-0.179344	109.976	2916.173	ug/L	3515.070
>	72	Ge-1			4280552.325	ug/L	4237437.575
	107	Ag	0.016690	20.588	699.695	ug/L	424.677
	111	Cd	0.014431	22.556	88.163	ug/L	37.783
	121	Sb	0.065408	12.269	1031.394	ug/L	354.674
	135	Ba	0.012412	71.807	647.691	ug/L	618.689
>	115	In-1			4075096.649	ug/L	4113033.591
	205	Tl	0.071657	87.278	8783.166	ug/L	7046.934
	208	Pb	-0.029663	10.848	6687.337	ug/L	7813.017
>	169	Tm-1			2395173.048	ug/L	2415258.959
	50	Cr	0.038356	176.917	-1407.367	ug/L	-1403.175
	53	Cr	-2.921424	51.485	201300.242	ug/L	203849.240
	61	Ni	-7.826653	43.227	6127.672	ug/L	6553.201
	63	Cu	0.005570	53.768	233.009	ug/L	214.674
	67	Zn	-2.663992	23.059	3509.971	ug/L	3829.349
	66	Zn	-4.366061	9.570	5277.467	ug/L	8394.933
	76	Se	-109.870407	33.904	-669640.427	ug/L	-651058.457
	77	Se	-4.212935	24.696	27622.157	ug/L	28615.717
	78	Se	-1.473407	24.809	36474.633	ug/L	37600.653

	79 Br	-100.849034	34.790	102663.800	ug/L	106931.239
>	72 Ge			4280552.325	ug/L	4237437.575
	108 Cd	-0.003282	626.392	7.509	ug/L	8.447
	114 Cd	0.012905	40.676	232.109	ug/L	129.289
	109 Ag	0.012546	13.564	230.008	ug/L	161.671
>	115 In			4075096.649	ug/L	4113033.591
	208 207.977	-0.025164	12.344	3544.718	ug/L	4065.278
	207 Pb	-0.036236	4.413	1410.780	ug/L	1682.495
	206 Pb	-0.033996	17.728	1731.838	ug/L	2065.244
>	169 Tm			2395173.048	ug/L	2415258.959
	106 Pd	0.003977	338.194	18.333	ug/L	17.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	104.039
	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	101.017
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.078
	Tl	205	
	Pb	208	
>	Tm-1	169	99.168
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.017
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.078
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.168
	Pd	106	

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

Sample ID: CCV 7
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 18:38:20
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 7.060
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			3987806.545	ug/L	3988319.491
>	6	Li-1			973899.960	ug/L	952537.641
	9	Be	95.907645	3.860	28603.347	ug/L	7.667
	27	Al	5191.990679	2.741	30158394.958	ug/L	57256.195
	44	Ca	5137.013276	1.624	2364860.799	ug/L	97200.916
	51	V	101.563250	0.450	1834202.412	ug/L	-34278.136
	52	Cr	104.842822	7.760	1533134.883	ug/L	54511.996
	55	Mn	98.129998	0.795	2488685.444	ug/L	6031.746
	54	Fe	5099.442599	2.039	6514342.674	ug/L	165643.567
	57	Fe	5119.077466	2.009	2641339.589	ug/L	35571.910
	59	Co	100.669159	1.509	1912983.191	ug/L	243.670
	60	Ni	98.058080	3.171	362046.123	ug/L	440.198
	65	Cu	97.563333	2.882	378608.780	ug/L	571.835
	68	Zn	94.411515	3.029	163573.409	ug/L	18512.231
	75	As	97.697355	1.145	424685.235	ug/L	34380.454
	82	Se	97.612789	1.318	39566.634	ug/L	1144.563
	97	Mo	191.343840	1.391	674642.675	ug/L	3515.070
>	72	Ge-1			4208133.709	ug/L	4237437.575
	107	Ag	50.444768	2.365	814735.761	ug/L	424.677
	111	Cd	101.482840	1.149	344620.071	ug/L	37.783
	121	Sb	50.471499	1.127	507541.837	ug/L	354.674
	135	Ba	100.247465	1.754	270678.569	ug/L	618.689
>	115	In-1			3939985.216	ug/L	4113033.591
	205	Tl	49.995939	1.250	1227728.116	ug/L	7046.934
	208	Pb	100.290133	1.438	3507994.434	ug/L	7813.017
>	169	Tm-1			2336095.535	ug/L	2415258.959
	50	Cr	120.865441	9.861	30289.467	ug/L	-1403.175
	53	Cr	106.069628	6.871	366790.462	ug/L	203849.240
	61	Ni	91.960167	10.393	12184.420	ug/L	6553.201
	63	Cu	97.261600	1.981	278346.395	ug/L	214.674
	67	Zn	92.141284	2.677	15996.173	ug/L	3829.349
	66	Zn	91.336663	2.237	74250.818	ug/L	8394.933
	76	Se	-14.865384	405.935	-648108.312	ug/L	-651058.457
	77	Se	104.616002	4.143	59764.579	ug/L	28615.717
	78	Se	93.953962	1.411	131700.781	ug/L	37600.653

	79 Br	-32.237585	109.901	104502.112	ug/L	106931.239
>	72 Ge			4208133.709	ug/L	4237437.575
	108 Cd	102.078416	1.778	25290.094	ug/L	8.447
	114 Cd	101.104824	1.648	786381.668	ug/L	129.289
	109 Ag	50.806664	1.966	273385.150	ug/L	161.671
>	115 In			3939985.216	ug/L	4113033.591
	208 207.977	100.418500	1.891	1900006.097	ug/L	4065.278
	207 Pb	100.812288	1.109	701154.555	ug/L	1682.495
	206 Pb	99.624348	1.260	906833.782	ug/L	2065.244
>	169 Tm			2336095.535	ug/L	2415258.959
	106 Pd	97.014165	2.172	32544.094	ug/L	17.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	102.243
	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	99.308
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	95.793
	Tl	205	
	Pb	208	
>	Tm-1	169	96.722
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.308
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	95.793
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	96.722
	Pd	106	

Sample ID: CCB 7
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 18:42:41
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 7.061
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			4094818.652	ug/L	3988319.491
>	6	Li-1			991581.843	ug/L	952537.641
	9	Be	-0.008715	21.956	5.333	ug/L	7.667
	27	Al	0.484367	51.533	61177.202	ug/L	57256.195
	44	Ca	-24.305199	17.749	87952.171	ug/L	97200.916
	51	V	-0.441747	101.674	-43212.692	ug/L	-34278.136
	52	Cr	0.232495	19.237	58865.023	ug/L	54511.996
	55	Mn	-0.023187	44.632	5537.086	ug/L	6031.746
	54	Fe	2.245000	152.560	171495.909	ug/L	165643.567
	57	Fe	3.829492	20.564	38223.266	ug/L	35571.910
	59	Co	0.009492	10.141	433.011	ug/L	243.670
	60	Ni	-0.036126	19.552	311.819	ug/L	440.198
	65	Cu	-0.019343	10.205	505.341	ug/L	571.835
	68	Zn	-5.406248	13.344	10340.174	ug/L	18512.231
	75	As	-0.373542	37.929	33475.951	ug/L	34380.454
	82	Se	0.109536	38.998	1209.748	ug/L	1144.563
	97	Mo	-0.285265	61.995	2560.059	ug/L	3515.070
>	72	Ge-1			4315149.099	ug/L	4237437.575
	107	Ag	0.013364	32.535	634.357	ug/L	424.677
	111	Cd	0.008782	31.122	67.277	ug/L	37.783
	121	Sb	0.037137	6.685	726.364	ug/L	354.674
	135	Ba	0.007214	97.522	623.689	ug/L	618.689
>	115	In-1			4014259.729	ug/L	4113033.591
	205	Tl	0.036808	156.406	7892.644	ug/L	7046.934
	208	Pb	-0.046368	6.460	6069.819	ug/L	7813.017
>	169	Tm-1			2387575.365	ug/L	2415258.959
	50	Cr	0.086419	249.778	-1406.173	ug/L	-1403.175
	53	Cr	-1.780234	18.208	204765.748	ug/L	203849.240
	61	Ni	-11.032760	22.869	5974.709	ug/L	6553.201
	63	Cu	-0.000913	244.847	216.007	ug/L	214.674
	67	Zn	-3.846930	38.172	3380.168	ug/L	3829.349
	66	Zn	-5.478282	13.833	4500.282	ug/L	8394.933
	76	Se	-174.083317	44.360	-682159.081	ug/L	-651058.457
	77	Se	-1.918167	76.869	28544.890	ug/L	28615.717
	78	Se	-1.415244	82.221	36816.163	ug/L	37600.653

	79 Br	-115.807813	13.890	102671.042	ug/L	106931.239
>	72 Ge			4315149.099	ug/L	4237437.575
	108 Cd	0.010441	195.117	10.879	ug/L	8.447
	114 Cd	0.010329	19.091	207.991	ug/L	129.289
	109 Ag	0.010188	57.284	213.674	ug/L	161.671
>	115 In			4014259.729	ug/L	4113033.591
	208 207.977	-0.043910	8.419	3171.575	ug/L	4065.278
	207 Pb	-0.054455	6.380	1277.093	ug/L	1682.495
	206 Pb	-0.045301	5.277	1621.150	ug/L	2065.244
>	169 Tm			2387575.365	ug/L	2415258.959
	106 Pd	0.008948	208.167	20.000	ug/L	17.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	104.099
	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	101.834
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	97.599
	Tl	205	
	Pb	208	
>	Tm-1	169	98.854
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.834
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	97.599
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.854
	Pd	106	

Sample ID: BLK RECAL
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 18:42:41
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 7.061
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			4094818.652	ug/L	
>	6	Li-1			991581.843	ug/L	
	9	Be			5.333	ug/L	
	27	Al			61177.202	ug/L	
	44	Ca			87952.171	ug/L	
	51	V			-43212.692	ug/L	
	52	Cr			58865.023	ug/L	
	55	Mn			5537.086	ug/L	
	54	Fe			171495.909	ug/L	
	57	Fe			38223.266	ug/L	
	59	Co			433.011	ug/L	
	60	Ni			311.819	ug/L	
	65	Cu			505.341	ug/L	
	68	Zn			10340.174	ug/L	
	75	As			33475.951	ug/L	
	82	Se			1209.748	ug/L	
	97	Mo			2560.059	ug/L	
>	72	Ge-1			4315149.099	ug/L	
	107	Ag			634.357	ug/L	
	111	Cd			67.277	ug/L	
	121	Sb			726.364	ug/L	
	135	Ba			623.689	ug/L	
>	115	In-1			4014259.729	ug/L	
	205	Tl			7892.644	ug/L	
	208	Pb			6069.819	ug/L	
>	169	Tm-1			2387575.365	ug/L	
	50	Cr			-1406.173	ug/L	
	53	Cr			204765.748	ug/L	
	61	Ni			5974.709	ug/L	
	63	Cu			216.007	ug/L	
	67	Zn			3380.168	ug/L	
	66	Zn			4500.282	ug/L	
	76	Se			-682159.081	ug/L	
	77	Se			28544.890	ug/L	
	78	Se			36816.163	ug/L	

	79	Br	102671.042	ug/L
>	72	Ge	4315149.099	ug/L
	108	Cd	10.879	ug/L
	114	Cd	207.991	ug/L
	109	Ag	213.674	ug/L
>	115	In	4014259.729	ug/L
	208	207.977	3171.575	ug/L
	207	Pb	1277.093	ug/L
	206	Pb	1621.150	ug/L
>	169	Tm	2387575.365	ug/L
	106	Pd	20.000	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: Monday, May 15, 2006 18:38:20
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 7.060
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			3987806.545	ug/L	4094818.652
>	6	Li-1			973899.960	ug/L	991581.843
	9	Be	100.000000	3.860	28603.347	ug/L	5.333
	27	Al	5100.000000	2.741	30158394.958	ug/L	61177.202
	44	Ca	5100.000000	1.616	2364860.799	ug/L	87952.171
	51	V	100.000000	0.448	1834202.412	ug/L	-43212.692
	52	Cr	100.000000	7.777	1533134.883	ug/L	58865.023
	55	Mn	100.000000	0.795	2488685.444	ug/L	5537.086
	54	Fe	5100.000000	2.040	6514342.674	ug/L	171495.909
	57	Fe	5100.000000	2.011	2641339.589	ug/L	38223.266
	59	Co	100.000000	1.510	1912983.191	ug/L	433.011
	60	Ni	100.000000	3.170	362046.123	ug/L	311.819
	65	Cu	100.000000	2.882	378608.780	ug/L	505.341
	68	Zn	100.000000	2.865	163573.409	ug/L	10340.174
	75	As	100.000000	1.141	424685.235	ug/L	33475.951
	82	Se	100.000000	1.320	39566.634	ug/L	1209.748
	97	Mo	200.000000	1.389	674642.675	ug/L	2560.059
>	72	Ge-1			4208133.709	ug/L	4315149.099
	107	Ag	50.000000	2.366	814735.761	ug/L	634.357
	111	Cd	100.000000	1.149	344620.071	ug/L	67.277
	121	Sb	50.000000	1.128	507541.837	ug/L	726.364
	135	Ba	100.000000	1.754	270678.569	ug/L	623.689
>	115	In-1			3939985.216	ug/L	4014259.729
	205	Tl	50.000000	1.251	1227728.116	ug/L	7892.644
	208	Pb	100.000000	1.438	3507994.434	ug/L	6069.819
>	169	Tm-1			2336095.535	ug/L	2387575.365
	50	Cr	100.000000	9.867	30289.467	ug/L	-1406.173
	53	Cr	100.000000	6.757	366790.462	ug/L	204765.748
	61	Ni	100.000000	9.278	12184.420	ug/L	5974.709
	63	Cu	100.000000	1.981	278346.395	ug/L	216.007
	67	Zn	100.000000	2.571	15996.173	ug/L	3380.168
	66	Zn	100.000000	2.110	74250.818	ug/L	4500.282
	76	Se	100.000000	37.679	-648108.312	ug/L	-682159.081
	77	Se	100.000000	4.067	59764.579	ug/L	28544.890
	78	Se	100.000000	1.390	131700.781	ug/L	36816.163

79	Br	100.000000	42.359	104502.112	ug/L	102671.042
72	Ge			4208133.709	ug/L	4315149.099
108	Cd	100.000000	1.779	25290.094	ug/L	10.879
114	Cd	100.000000	1.648	786381.668	ug/L	207.991
109	Ag	50.000000	1.967	273385.150	ug/L	213.674
115	In			3939985.216	ug/L	4014259.729
208	207.977	100.000000	1.891	1900006.097	ug/L	3171.575
207	Pb	100.000000	1.108	701154.555	ug/L	1277.093
206	Pb	100.000000	1.260	906833.782	ug/L	1621.150
169	Tm			2336095.535	ug/L	2387575.365
106	Pd	100.000000	2.172	32544.094	ug/L	20.000

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 8
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 18:47:02
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 8.062
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			3950863.946	ug/L	4094818.652
>	6	Li-1			974889.943	ug/L	991581.843
	9	Be	102.083121	0.357	29248.141	ug/L	5.333
	27	Al	5177.217219	4.442	30562276.391	ug/L	61177.202
	44	Ca	5120.500125	1.049	2369685.534	ug/L	87952.171
	51	V	103.906969	1.278	1903974.241	ug/L	-43212.692
	52	Cr	105.646392	0.900	1613098.378	ug/L	58865.023
	55	Mn	102.345075	2.063	2542509.560	ug/L	5537.086
	54	Fe	5055.842669	1.408	6447114.558	ug/L	171495.909
	57	Fe	5132.168523	0.846	2653197.242	ug/L	38223.266
	59	Co	99.943494	1.667	1908364.717	ug/L	433.011
	60	Ni	100.429741	1.207	363005.342	ug/L	311.819
	65	Cu	102.434244	1.149	387170.635	ug/L	505.341
	68	Zn	99.174985	0.382	162006.722	ug/L	10340.174
	75	As	99.220105	1.102	420862.084	ug/L	33475.951
	82	Se	100.715261	1.042	39771.713	ug/L	1209.748
	97	Mo	202.251714	1.245	681087.594	ug/L	2560.059
>	72	Ge-1			4200633.842	ug/L	4315149.099
	107	Ag	49.504261	1.568	809300.444	ug/L	634.357
	111	Cd	100.833088	0.508	348610.806	ug/L	67.277
	121	Sb	50.041860	0.874	509598.246	ug/L	726.364
	135	Ba	100.896941	1.091	273983.964	ug/L	623.689
>	115	In-1			3952449.392	ug/L	4014259.729
	205	Tl	49.787457	2.096	1238204.598	ug/L	7892.644
	208	Pb	98.850176	1.643	3512099.987	ug/L	6069.819
>	169	Tm-1			2366006.799	ug/L	2387575.365
	50	Cr	99.465983	3.515	30066.935	ug/L	-1406.173
	53	Cr	95.590295	9.725	358792.430	ug/L	204765.748
	61	Ni	96.941657	2.062	11966.872	ug/L	5974.709
	63	Cu	99.346397	4.042	276004.962	ug/L	216.007
	67	Zn	98.410910	4.367	15767.036	ug/L	3380.168
	66	Zn	100.742740	1.801	74640.968	ug/L	4500.282
	76	Se	124.890581	67.996	-642808.875	ug/L	-682159.081
	77	Se	99.894490	6.228	59620.262	ug/L	28544.890
	78	Se	101.883253	1.036	133272.813	ug/L	36816.163

	79 Br	73.105057	53.840	103136.791	ug/L	102671.042
>	72 Ge			4200633.842	ug/L	4315149.099
	108 Cd	98.983501	0.107	25114.915	ug/L	10.879
	114 Cd	99.295845	1.459	783383.187	ug/L	207.991
	109 Ag	50.899560	1.203	279211.970	ug/L	213.674
>	115 In			3952449.392	ug/L	4014259.729
	208 207.977	97.813409	1.913	1882373.211	ug/L	3171.575
	207 Pb	99.910967	1.630	709423.518	ug/L	1277.093
	206 Pb	100.202806	1.162	920303.258	ug/L	1621.150
>	169 Tm			2366006.799	ug/L	2387575.365
	106 Pd	99.934108	0.467	32522.663	ug/L	20.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	98.317
	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	97.346
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.460
	Tl	205	
	Pb	208	
>	Tm-1	169	99.097
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	97.346
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.460
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.097
	Pd	106	

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

Sample ID: CCB 8
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 18:51:23
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 8.063
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			4094174.852	ug/L	4094818.652
>	6	Li-1			988600.250	ug/L	991581.843
	9	Be	0.010470	72.114	8.333	ug/L	5.333
	27	Al	0.136420	202.692	61473.217	ug/L	61177.202
	44	Ca	-3.316948	80.203	85704.030	ug/L	87952.171
	51	V	0.249179	77.824	-38093.950	ug/L	-43212.692
	52	Cr	0.060869	26.386	59287.195	ug/L	58865.023
	55	Mn	0.008125	100.876	5694.854	ug/L	5537.086
	54	Fe	2.441393	99.350	173134.189	ug/L	171495.909
	57	Fe	0.016657	7119.147	37918.589	ug/L	38223.266
	59	Co	0.001405	24.490	456.679	ug/L	433.011
	60	Ni	0.008124	139.237	338.717	ug/L	311.819
	65	Cu	-0.000342	1792.863	499.694	ug/L	505.341
	68	Zn	-0.092947	513.978	10106.853	ug/L	10340.174
	75	As	0.208683	61.872	34025.338	ug/L	33475.951
	82	Se	0.123652	81.625	1247.861	ug/L	1209.748
	97	Mo	0.083381	224.445	2825.473	ug/L	2560.059
>	72	Ge-1			4279312.887	ug/L	4315149.099
	107	Ag	0.000709	123.744	641.690	ug/L	634.357
	111	Cd	0.003410	97.209	78.747	ug/L	67.277
	121	Sb	-0.002494	129.124	696.028	ug/L	726.364
	135	Ba	0.008382	97.714	642.024	ug/L	623.689
>	115	In-1			3985716.214	ug/L	4014259.729
	205	Tl	0.046033	123.563	8993.704	ug/L	7892.644
	208	Pb	0.001043	573.515	6070.820	ug/L	6069.819
>	169	Tm-1			2372925.854	ug/L	2387575.365
	50	Cr	-0.062576	215.345	-1414.222	ug/L	-1406.173
	53	Cr	1.637545	186.252	205845.436	ug/L	204765.748
	61	Ni	1.681309	227.812	6031.819	ug/L	5974.709
	63	Cu	0.002204	255.683	220.341	ug/L	216.007
	67	Zn	0.039622	2896.400	3357.138	ug/L	3380.168
	66	Zn	0.039891	1258.295	4489.568	ug/L	4500.282
	76	Se	41.903058	105.591	-669258.768	ug/L	-682159.081
	77	Se	-0.721792	203.614	28070.822	ug/L	28544.890
	78	Se	0.187911	245.381	36688.988	ug/L	36816.163

	79 Br	20.708106	209.634	102740.323	ug/L	102671.042
>	72 Ge			4279312.887	ug/L	4315149.099
	108 Cd	0.033360	128.538	19.397	ug/L	10.879
	114 Cd	0.002359	7.933	225.274	ug/L	207.991
	109 Ag	0.003647	212.270	232.676	ug/L	213.674
>	115 In			3985716.214	ug/L	4014259.729
	208 207.977	0.001368	195.799	3178.911	ug/L	3171.575
	207 Pb	0.006115	106.189	1312.765	ug/L	1277.093
	206 Pb	-0.003561	385.835	1579.143	ug/L	1621.150
>	169 Tm			2372925.854	ug/L	2387575.365
	106 Pd	-0.007174	178.428	17.667	ug/L	20.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	99.699
	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	99.170
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.289
	Tl	205	
	Pb	208	
>	Tm-1	169	99.386
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.170
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.289
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.386
	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: Monday, May 15, 2006 19:38:43
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 9.074
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			4004990.245	ug/L	4094818.652
>	6	Li-1			1021014.854	ug/L	991581.843
	9	Be	97.749181	2.844	29326.081	ug/L	5.333
	27	Al	5215.334976	2.957	30564090.230	ug/L	61177.202
	44	Ca	5189.656009	2.883	2382734.951	ug/L	87952.171
	51	V	100.874814	4.647	1833307.910	ug/L	-43212.692
	52	Cr	99.585183	9.503	1512000.744	ug/L	58865.023
	55	Mn	100.356073	0.675	2474937.611	ug/L	5537.086
	54	Fe	5151.630464	0.157	6518613.455	ug/L	171495.909
	57	Fe	5187.565726	1.014	2661749.674	ug/L	38223.266
	59	Co	99.821616	0.955	1892114.528	ug/L	433.011
	60	Ni	99.408130	2.092	356635.037	ug/L	311.819
	65	Cu	100.420844	1.696	376808.137	ug/L	505.341
	68	Zn	98.807444	1.579	160257.030	ug/L	10340.174
	75	As	99.277553	2.447	418015.886	ug/L	33475.951
	82	Se	100.277384	1.707	39314.372	ug/L	1209.748
	97	Mo	202.384885	0.621	676499.687	ug/L	2560.059
>	72	Ge-1			4169938.771	ug/L	4315149.099
	107	Ag	49.306278	0.607	793670.013	ug/L	634.357
	111	Cd	100.336999	0.981	341553.438	ug/L	67.277
	121	Sb	49.748042	0.985	498813.367	ug/L	726.364
	135	Ba	100.606220	1.695	268983.874	ug/L	623.689
>	115	In-1			3891682.511	ug/L	4014259.729
	205	Tl	49.230651	1.550	1215621.341	ug/L	7892.644
	208	Pb	98.367970	1.986	3469753.609	ug/L	6069.819
>	169	Tm-1			2348900.949	ug/L	2387575.365
	50	Cr	95.519307	5.172	28612.475	ug/L	-1406.173
	53	Cr	95.259037	7.099	355535.097	ug/L	204765.748
	61	Ni	93.276276	2.277	11648.003	ug/L	5974.709
	63	Cu	99.205984	3.443	273613.405	ug/L	216.007
	67	Zn	98.800505	3.302	15699.679	ug/L	3380.168
	66	Zn	99.228667	2.324	73043.223	ug/L	4500.282
	76	Se	98.728899	71.810	-642543.906	ug/L	-682159.081
	77	Se	95.720362	3.354	57863.626	ug/L	28544.890
	78	Se	101.705719	2.183	132122.498	ug/L	36816.163

	79 Br	80.296415	41.844	102692.110	ug/L	102671.042
>	72 Ge			4169938.771	ug/L	4315149.099
	108 Cd	98.491596	1.333	24604.606	ug/L	10.879
	114 Cd	99.353214	1.934	771741.010	ug/L	207.991
	109 Ag	50.018112	2.279	270136.779	ug/L	213.674
>	115 In			3891682.511	ug/L	4014259.729
	208 207.977	97.910454	2.451	1870651.883	ug/L	3171.575
	207 Pb	98.754592	1.738	696179.598	ug/L	1277.093
	206 Pb	99.027877	1.963	902922.128	ug/L	1621.150
>	169 Tm			2348900.949	ug/L	2387575.365
	106 Pd	99.554538	1.209	32399.212	ug/L	20.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	102.968
	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	96.635
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	96.946
	Tl	205	
	Pb	208	
>	Tm-1	169	98.380
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	96.635
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	96.946
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.380
	Pd	106	

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

Sample ID: CCB 9
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 19:43:04
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 9.075
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			4083476.258	ug/L	4094818.652
> 6	Li-1			1030236.188	ug/L	991581.843
9	Be	0.021326	30.646	12.000	ug/L	5.333
27	Al	0.226547	104.365	62293.645	ug/L	61177.202
44	Ca	-14.452239	32.335	80994.855	ug/L	87952.171
51	V	0.775819	41.344	-28181.220	ug/L	-43212.692
52	Cr	-0.066419	167.942	57621.815	ug/L	58865.023
55	Mn	0.005840	104.969	5664.501	ug/L	5537.086
54	Fe	0.172839	2536.498	171001.597	ug/L	171495.909
57	Fe	-1.804796	49.796	37136.484	ug/L	38223.266
59	Co	0.003836	41.437	506.015	ug/L	433.011
60	Ni	-0.000532	342.310	308.604	ug/L	311.819
65	Cu	-0.005426	158.313	482.136	ug/L	505.341
68	Zn	-0.143976	136.921	10074.134	ug/L	10340.174
75	As	0.176638	112.149	34046.591	ug/L	33475.951
82	Se	-0.037990	374.053	1189.736	ug/L	1209.748
97	Mo	0.031681	604.595	2653.084	ug/L	2560.059
> 72	Ge-1			4298359.767	ug/L	4315149.099
107	Ag	0.005471	48.698	723.697	ug/L	634.357
111	Cd	0.005977	96.457	88.022	ug/L	67.277
121	Sb	0.041822	12.042	1156.410	ug/L	726.364
135	Ba	0.003150	153.934	631.356	ug/L	623.689
> 115	In-1			4007509.218	ug/L	4014259.729
205	Tl	0.021133	280.891	8352.404	ug/L	7892.644
208	Pb	-0.004422	190.564	5860.099	ug/L	6069.819
> 169	Tm-1			2367843.521	ug/L	2387575.365
50	Cr	0.159535	204.477	-1348.257	ug/L	-1406.173
53	Cr	-5.242740	122.486	194930.043	ug/L	204765.748
61	Ni	1.242596	195.202	6030.814	ug/L	5974.709
63	Cu	-0.000277	615.105	214.341	ug/L	216.007
67	Zn	-0.590790	68.380	3290.399	ug/L	3380.168
66	Zn	-0.229023	39.877	4319.651	ug/L	4500.282
76	Se	39.578609	232.076	-672733.482	ug/L	-682159.081
77	Se	-3.134410	67.655	27405.680	ug/L	28544.890
78	Se	-0.360617	122.300	36316.221	ug/L	36816.163

	79 Br	-17.826824	447.210	101443.098	ug/L	102671.042
>	72 Ge			4298359.767	ug/L	4315149.099
	108 Cd	0.006025	567.397	12.447	ug/L	10.879
	114 Cd	0.003054	117.551	232.213	ug/L	207.991
	109 Ag	0.008307	97.811	259.344	ug/L	213.674
>	115 In			4007509.218	ug/L	4014259.729
	208 207.977	-0.003630	157.721	3074.540	ug/L	3171.575
	207 Pb	-0.005147	339.265	1229.087	ug/L	1277.093
	206 Pb	-0.005520	143.476	1556.472	ug/L	1621.150
>	169 Tm			2367843.521	ug/L	2387575.365
	106 Pd	-0.018448	28.867	14.000	ug/L	20.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.898
	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	99.611
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.832
	Tl	205	
	Pb	208	
>	Tm-1	169	99.174
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.611
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.832
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.174
	Pd	106	

Sample ID: CCV 10
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 19:47:25
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 10.076
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			3810719.697	ug/L	4094818.652
>	6	Li-1			976906.184	ug/L	991581.843
	9	Be	99.886023	2.291	28675.922	ug/L	5.333
	27	Al	5044.442226	2.454	28979399.756	ug/L	61177.202
	44	Ca	5005.954160	2.588	2255949.352	ug/L	87952.171
	51	V	96.915181	1.056	1725241.117	ug/L	-43212.692
	52	Cr	90.484257	1.832	1352283.236	ug/L	58865.023
	55	Mn	97.213400	2.207	2349763.912	ug/L	5537.086
	54	Fe	4933.258845	1.400	6124253.145	ug/L	171495.909
	57	Fe	4893.992377	3.672	2462555.616	ug/L	38223.266
	59	Co	97.949335	1.385	1819685.116	ug/L	433.011
	60	Ni	100.466046	2.063	353215.016	ug/L	311.819
	65	Cu	98.122943	2.286	360794.135	ug/L	505.341
	68	Zn	97.652222	1.472	155341.315	ug/L	10340.174
	75	As	100.052837	1.385	412600.737	ug/L	33475.951
	82	Se	97.633501	1.547	37543.990	ug/L	1209.748
	97	Mo	199.681052	2.738	654072.562	ug/L	2560.059
>	72	Ge-1			4086807.866	ug/L	4315149.099
	107	Ag	48.961885	1.748	771089.585	ug/L	634.357
	111	Cd	100.645885	1.591	335173.748	ug/L	67.277
	121	Sb	50.516277	0.614	495532.566	ug/L	726.364
	135	Ba	100.783356	1.052	263625.900	ug/L	623.689
>	115	In-1			3807328.304	ug/L	4014259.729
	205	Tl	49.838134	0.475	1189304.249	ug/L	7892.644
	208	Pb	99.998721	1.169	3408895.343	ug/L	6069.819
>	169	Tm-1			2269936.688	ug/L	2387575.365
	50	Cr	94.053969	5.176	27603.119	ug/L	-1406.173
	53	Cr	90.097835	5.225	340119.748	ug/L	204765.748
	61	Ni	89.252228	1.785	11166.917	ug/L	5974.709
	63	Cu	97.070505	2.620	262377.214	ug/L	216.007
	67	Zn	96.691998	2.190	15126.522	ug/L	3380.168
	66	Zn	97.025619	3.598	70082.404	ug/L	4500.282
	76	Se	75.858146	81.133	-633531.332	ug/L	-682159.081
	77	Se	95.673255	4.212	56695.315	ug/L	28544.890
	78	Se	102.043851	1.430	129802.752	ug/L	36816.163

79 Br	23.781470	155.671	98238.549	ug/L	102671.042
72 Ge			4086807.866	ug/L	4315149.099
108 Cd	98.997120	1.787	24197.200	ug/L	10.879
114 Cd	99.780631	1.599	758273.425	ug/L	207.991
109 Ag	49.971088	1.288	264066.329	ug/L	213.674
115 In			3807328.304	ug/L	4014259.729
208 207.977	99.111208	1.198	1830093.113	ug/L	3171.575
207 Pb	99.537914	2.158	678103.274	ug/L	1277.093
206 Pb	102.214924	0.610	900698.955	ug/L	1621.150
169 Tm			2269936.688	ug/L	2387575.365
106 Pd	96.672318	0.617	31461.796	ug/L	20.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	98.520
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	94.708
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	94.845
Tl	205	
Pb	208	
Tm-1	169	95.073
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	94.708
Cd	108	
Cd	114	
Ag	109	
In	115	94.845
207.977	208	
Pb	207	
Pb	206	
Tm	169	95.073
Pd	106	

Sample ID: CCB 10
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 19:51:46
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 10.077
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			3895774.563	ug/L	4094818.652
>	6	Li-1			989098.713	ug/L	991581.843
	9	Be	0.013849	88.866	9.333	ug/L	5.333
	27	Al	0.247033	73.620	60661.902	ug/L	61177.202
	44	Ca	-7.752286	40.453	81691.933	ug/L	87952.171
	51	V	0.052129	2056.370	-40889.794	ug/L	-43212.692
	52	Cr	-0.045968	177.968	56309.339	ug/L	58865.023
	55	Mn	0.019679	48.580	5844.954	ug/L	5537.086
	54	Fe	1.225937	84.289	167522.654	ug/L	171495.909
	57	Fe	-2.198622	90.408	35882.100	ug/L	38223.266
	59	Co	0.004866	38.131	511.348	ug/L	433.011
	60	Ni	-0.000127	2579.478	301.442	ug/L	311.819
	65	Cu	-0.003112	130.355	477.524	ug/L	505.341
	68	Zn	-0.490414	113.201	9263.596	ug/L	10340.174
	75	As	0.745034	38.112	35298.473	ug/L	33475.951
	82	Se	0.093953	92.600	1206.888	ug/L	1209.748
	97	Mo	0.098609	179.708	2806.797	ug/L	2560.059
>	72	Ge-1			4177059.218	ug/L	4315149.099
	107	Ag	0.009214	26.384	771.701	ug/L	634.357
	111	Cd	0.004451	113.188	81.278	ug/L	67.277
	121	Sb	0.027971	12.317	995.390	ug/L	726.364
	135	Ba	0.007200	152.875	630.689	ug/L	623.689
>	115	In-1			3935224.577	ug/L	4014259.729
	205	Tl	0.066192	108.507	9385.485	ug/L	7892.644
	208	Pb	-0.004630	144.427	5804.753	ug/L	6069.819
>	169	Tm-1			2347410.919	ug/L	2387575.365
	50	Cr	0.110295	88.554	-1326.356	ug/L	-1406.173
	53	Cr	-3.342756	106.692	192668.108	ug/L	204765.748
	61	Ni	-1.132709	155.715	5711.549	ug/L	5974.709
	63	Cu	0.003222	165.471	218.008	ug/L	216.007
	67	Zn	-0.655017	123.201	3189.628	ug/L	3380.168
	66	Zn	-0.403748	78.676	4076.663	ug/L	4500.282
	76	Se	29.808198	21.663	-655273.021	ug/L	-682159.081
	77	Se	-1.899138	59.561	27028.526	ug/L	28544.890
	78	Se	0.921960	53.471	36512.672	ug/L	36816.163

	79 Br	32.208846	162.218	100781.429	ug/L	102671.042
>	72 Ge			4177059.218	ug/L	4315149.099
	108 Cd	0.029850	122.729	18.212	ug/L	10.879
	114 Cd	0.005676	77.160	248.633	ug/L	207.991
	109 Ag	0.010245	11.848	265.345	ug/L	213.674
>	115 In			3935224.577	ug/L	4014259.729
	208 207.977	-0.003114	245.668	3058.869	ug/L	3171.575
	207 Pb	-0.002163	169.809	1240.421	ug/L	1277.093
	206 Pb	-0.009716	81.712	1505.463	ug/L	1621.150
>	169 Tm			2347410.919	ug/L	2387575.365
	106 Pd	-0.016398	28.641	14.667	ug/L	20.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	99.750
	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	96.800
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.031
	Tl	205	
	Pb	208	
>	Tm-1	169	98.318
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	96.800
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.031
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.318
	Pd	106	

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

Sample ID: CCV 11
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 20:39:36
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 11.088
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			3914156.883	ug/L	4094818.652
>	6	Li-1			956300.172	ug/L	991581.843
	9	Be	98.103380	0.923	27570.034	ug/L	5.333
	27	Al	4943.441367	3.252	28166195.373	ug/L	61177.202
	44	Ca	5082.611762	0.449	2271133.380	ug/L	87952.171
	51	V	97.197555	1.410	1716744.272	ug/L	-43212.692
	52	Cr	95.799977	8.661	1418070.553	ug/L	58865.023
	55	Mn	99.231655	2.912	2379128.270	ug/L	5537.086
	54	Fe	4986.929379	1.301	6140434.501	ug/L	171495.909
	57	Fe	5052.818309	0.217	2521976.733	ug/L	38223.266
	59	Co	98.311657	1.605	1812018.204	ug/L	433.011
	60	Ni	101.250522	0.085	353229.411	ug/L	311.819
	65	Cu	100.179199	1.810	365544.005	ug/L	505.341
	68	Zn	98.973604	1.290	156093.162	ug/L	10340.174
	75	As	101.013471	1.043	412993.741	ug/L	33475.951
	82	Se	99.676544	1.852	38001.064	ug/L	1209.748
	97	Mo	200.720705	0.972	652396.923	ug/L	2560.059
>	72	Ge-1			4054620.409	ug/L	4315149.099
	107	Ag	49.818848	1.742	783212.657	ug/L	634.357
	111	Cd	99.639314	1.545	331279.754	ug/L	67.277
	121	Sb	50.074730	0.618	490404.245	ug/L	726.364
	135	Ba	100.770271	2.063	263152.564	ug/L	623.689
>	115	In-1			3801101.952	ug/L	4014259.729
	205	Tl	49.541702	1.990	1196550.216	ug/L	7892.644
	208	Pb	98.067466	0.973	3384059.247	ug/L	6069.819
>	169	Tm-1			2297753.057	ug/L	2387575.365
	50	Cr	87.735693	10.823	25432.653	ug/L	-1406.173
	53	Cr	94.094485	6.811	343966.531	ug/L	204765.748
	61	Ni	86.644007	6.565	10918.047	ug/L	5974.709
	63	Cu	98.593113	1.458	264447.984	ug/L	216.007
	67	Zn	98.886447	3.386	15281.645	ug/L	3380.168
	66	Zn	99.339383	0.486	71108.393	ug/L	4500.282
	76	Se	117.005464	39.276	-621760.382	ug/L	-682159.081
	77	Se	100.686698	3.288	57799.039	ug/L	28544.890
	78	Se	102.103905	0.546	128851.072	ug/L	36816.163

79 Br	53.702841	48.627	98745.625	ug/L	102671.042
72 Ge			4054620.409	ug/L	4315149.099
108 Cd	98.528451	2.163	24041.432	ug/L	10.879
114 Cd	99.210744	1.560	752709.739	ug/L	207.991
109 Ag	49.773696	2.410	262568.178	ug/L	213.674
115 In			3801101.952	ug/L	4014259.729
208 207.977	96.932945	0.728	1811880.816	ug/L	3171.575
207 Pb	98.797586	1.600	681298.461	ug/L	1277.093
206 Pb	99.880602	1.311	890879.970	ug/L	1621.150
169 Tm			2297753.057	ug/L	2387575.365
106 Pd	96.329850	2.037	31350.411	ug/L	20.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	96.442
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	93.962
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	94.690
Tl	205	
Pb	208	
Tm-1	169	96.238
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	93.962
Cd	108	
Cd	114	
Ag	109	
In	115	94.690
207.977	208	
Pb	207	
Pb	206	
Tm	169	96.238
Pd	106	

Sample ID: CCB 11
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 20:43:57
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 11.089
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			3869300.255	ug/L	4094818.652
>	6	Li-1			974365.447	ug/L	991581.843
	9	Be	0.015258	48.866	9.667	ug/L	5.333
	27	Al	0.304316	120.242	59591.575	ug/L	61177.202
	44	Ca	-10.871137	53.021	78335.432	ug/L	87952.171
	51	V	0.434204	122.231	-33113.028	ug/L	-43212.692
	52	Cr	-0.044613	224.324	54946.997	ug/L	58865.023
	55	Mn	0.009965	116.918	5464.706	ug/L	5537.086
	54	Fe	3.118235	119.809	165692.366	ug/L	171495.909
	57	Fe	-1.868497	145.536	35158.686	ug/L	38223.266
	59	Co	0.007835	3.671	554.351	ug/L	433.011
	60	Ni	0.002836	445.848	304.153	ug/L	311.819
	65	Cu	-0.007681	65.586	449.149	ug/L	505.341
	68	Zn	-1.333439	46.148	7783.825	ug/L	10340.174
	75	As	0.594473	83.485	33857.936	ug/L	33475.951
	82	Se	0.027329	316.439	1152.778	ug/L	1209.748
	97	Mo	0.057438	297.314	2614.072	ug/L	2560.059
>	72	Ge-1			4077265.455	ug/L	4315149.099
	107	Ag	0.004705	38.271	673.693	ug/L	634.357
	111	Cd	0.011205	39.826	100.980	ug/L	67.277
	121	Sb	0.004920	121.441	735.031	ug/L	726.364
	135	Ba	0.011693	187.582	619.689	ug/L	623.689
>	115	In-1			3794237.235	ug/L	4014259.729
	205	Tl	0.048164	127.986	8692.067	ug/L	7892.644
	208	Pb	-0.018961	65.534	5151.597	ug/L	6069.819
>	169	Tm-1			2281591.385	ug/L	2387575.365
	50	Cr	0.207473	30.760	-1264.590	ug/L	-1406.173
	53	Cr	-4.436990	23.834	186267.005	ug/L	204765.748
	61	Ni	0.974163	268.866	5709.225	ug/L	5974.709
	63	Cu	0.008549	23.466	227.008	ug/L	216.007
	67	Zn	-0.927681	44.267	3079.518	ug/L	3380.168
	66	Zn	-1.556888	45.719	3195.656	ug/L	4500.282
	76	Se	63.260064	87.145	-634285.559	ug/L	-682159.081
	77	Se	2.063658	56.536	27601.788	ug/L	28544.890
	78	Se	2.107711	62.796	36713.740	ug/L	36816.163

79	Br	53.881842	58.617	99274.548	ug/L	102671.042
72	Ge			4077265.455	ug/L	4315149.099
108	Cd	0.022164	136.080	15.694	ug/L	10.879
114	Cd	0.007445	44.264	252.964	ug/L	207.991
109	Ag	0.008195	92.324	245.343	ug/L	213.674
115	In			3794237.235	ug/L	4014259.729
208	207.977	-0.016229	73.490	2730.094	ug/L	3171.575
207	Pb	-0.016732	86.150	1106.070	ug/L	1277.093
206	Pb	-0.026410	46.695	1315.433	ug/L	1621.150
169	Tm			2281591.385	ug/L	2387575.365
106	Pd	0.002050	606.219	20.667	ug/L	20.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	98.264
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	94.487
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	94.519
Tl	205	
Pb	208	
Tm-1	169	95.561
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	94.487
Cd	108	
Cd	114	
Ag	109	
In	115	94.519
207.977	208	
Pb	207	
Pb	206	
Tm	169	95.561
Pd	106	

Sample ID: BLK RECAL
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 20:43:57
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 11.089
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			3869300.255	ug/L	
>	6	Li-1			974365.447	ug/L	
	9	Be			9.667	ug/L	
	27	Al			59591.575	ug/L	
	44	Ca			78335.432	ug/L	
	51	V			-33113.028	ug/L	
	52	Cr			54946.997	ug/L	
	55	Mn			5464.706	ug/L	
	54	Fe			165692.366	ug/L	
	57	Fe			35158.686	ug/L	
	59	Co			554.351	ug/L	
	60	Ni			304.153	ug/L	
	65	Cu			449.149	ug/L	
	68	Zn			7783.825	ug/L	
	75	As			33857.936	ug/L	
	82	Se			1152.778	ug/L	
	97	Mo			2614.072	ug/L	
>	72	Ge-1			4077265.455	ug/L	
	107	Ag			673.693	ug/L	
	111	Cd			100.980	ug/L	
	121	Sb			735.031	ug/L	
	135	Ba			619.689	ug/L	
>	115	In-1			3794237.235	ug/L	
	205	Tl			8692.067	ug/L	
	208	Pb			5151.597	ug/L	
>	169	Tm-1			2281591.385	ug/L	
	50	Cr			-1264.590	ug/L	
	53	Cr			186267.005	ug/L	
	61	Ni			5709.225	ug/L	
	63	Cu			227.008	ug/L	
	67	Zn			3079.518	ug/L	
	66	Zn			3195.656	ug/L	
	76	Se			-634285.559	ug/L	
	77	Se			27601.788	ug/L	
	78	Se			36713.740	ug/L	

	79 Br	99274.548	ug/L
>	72 Ge	4077265.455	ug/L
	108 Cd	15.694	ug/L
	114 Cd	252.964	ug/L
	109 Ag	245.343	ug/L
>	115 In	3794237.235	ug/L
	208 207.977	2730.094	ug/L
	207 Pb	1106.070	ug/L
	206 Pb	1315.433	ug/L
>	169 Tm	2281591.385	ug/L
	106 Pd	20.667	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: Monday, May 15, 2006 20:39:36
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 11.088
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			3914156.883	ug/L	3869300.255
>	6	Li-1			956300.172	ug/L	974365.447
	9	Be	100.000000	0.923	27570.034	ug/L	9.667
	27	Al	5100.000000	3.252	28166195.373	ug/L	59591.575
	44	Ca	5100.000000	0.448	2271133.380	ug/L	78335.432
	51	V	100.000000	1.416	1716744.272	ug/L	-33113.028
	52	Cr	100.000000	8.656	1418070.553	ug/L	54946.997
	55	Mn	100.000000	2.912	2379128.270	ug/L	5464.706
	54	Fe	5100.000000	1.302	6140434.501	ug/L	165692.366
	57	Fe	5100.000000	0.217	2521976.733	ug/L	35158.686
	59	Co	100.000000	1.605	1812018.204	ug/L	554.351
	60	Ni	100.000000	0.085	353229.411	ug/L	304.153
	65	Cu	100.000000	1.809	365544.005	ug/L	449.149
	68	Zn	100.000000	1.273	156093.162	ug/L	7783.825
	75	As	100.000000	1.049	412993.741	ug/L	33857.936
	82	Se	100.000000	1.853	38001.064	ug/L	1152.778
	97	Mo	200.000000	0.972	652396.923	ug/L	2614.072
>	72	Ge-1			4054620.409	ug/L	4077265.455
	107	Ag	50.000000	1.742	783212.657	ug/L	673.693
	111	Cd	100.000000	1.545	331279.754	ug/L	100.980
	121	Sb	50.000000	0.618	490404.245	ug/L	735.031
	135	Ba	100.000000	2.064	263152.564	ug/L	619.689
>	115	In-1			3801101.952	ug/L	3794237.235
	205	Tl	50.000000	1.992	1196550.216	ug/L	8692.067
	208	Pb	100.000000	0.973	3384059.247	ug/L	5151.597
>	169	Tm-1			2297753.057	ug/L	2281591.385
	50	Cr	100.000000	10.849	25432.653	ug/L	-1264.590
	53	Cr	100.000000	6.503	343966.531	ug/L	186267.005
	61	Ni	100.000000	6.645	10918.047	ug/L	5709.225
	63	Cu	100.000000	1.458	264447.984	ug/L	227.008
	67	Zn	100.000000	3.354	15281.645	ug/L	3079.518
	66	Zn	100.000000	0.478	71108.393	ug/L	3195.656
	76	Se	100.000000	83.512	-621760.382	ug/L	-634285.559
	77	Se	100.000000	3.356	57799.039	ug/L	27601.788
	78	Se	100.000000	0.557	128851.072	ug/L	36713.740

79	Br	100.000000	7353.269	98745.625	ug/L	99274.548
72	Ge			4054620.409	ug/L	4077265.455
108	Cd	100.000000	2.164	24041.432	ug/L	15.694
114	Cd	100.000000	1.560	752709.739	ug/L	252.964
109	Ag	50.000000	2.410	262568.178	ug/L	245.343
115	In			3801101.952	ug/L	3794237.235
208	207.977	100.000000	0.728	1811880.816	ug/L	2730.094
207	Pb	100.000000	1.599	681298.461	ug/L	1106.070
206	Pb	100.000000	1.311	890879.970	ug/L	1315.433
169	Tm			2297753.057	ug/L	2281591.385
106	Pd	100.000000	2.037	31350.411	ug/L	20.667

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 12
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 20:48:17
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 12.090
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			3735274.723	ug/L	3869300.255
>	6	Li-1			953707.325	ug/L	974365.447
	9	Be	100.119982	1.546	27526.563	ug/L	9.667
	27	Al	5103.969086	1.642	28103920.242	ug/L	59591.575
	44	Ca	5028.630395	0.889	2233301.903	ug/L	78335.432
	51	V	96.869516	1.709	1656458.999	ug/L	-33113.028
	52	Cr	94.857817	2.093	1342735.368	ug/L	54946.997
	55	Mn	100.594648	0.686	2385959.063	ug/L	5464.706
	54	Fe	5087.567776	1.136	6106834.576	ug/L	165692.366
	57	Fe	5035.997013	1.139	2482582.346	ug/L	35158.686
	59	Co	100.998934	2.343	1824114.209	ug/L	554.351
	60	Ni	97.251613	1.197	342405.419	ug/L	304.153
	65	Cu	101.617609	1.035	370242.987	ug/L	449.149
	68	Zn	99.469062	1.893	154779.760	ug/L	7783.825
	75	As	98.639071	1.435	406528.163	ug/L	33857.936
	82	Se	98.682826	1.571	37397.480	ug/L	1152.778
	97	Mo	202.020693	1.807	656807.091	ug/L	2614.072
>	72	Ge-1			4041555.716	ug/L	4077265.455
	107	Ag	49.339642	0.743	765075.337	ug/L	673.693
	111	Cd	101.098280	1.273	331521.154	ug/L	100.980
	121	Sb	50.750511	0.691	492714.844	ug/L	735.031
	135	Ba	101.337414	0.237	263976.576	ug/L	619.689
>	115	In-1			3762648.046	ug/L	3794237.235
	205	Tl	50.185872	1.393	1187600.794	ug/L	8692.067
	208	Pb	100.498186	0.981	3362838.571	ug/L	5151.597
>	169	Tm-1			2271943.066	ug/L	2281591.385
	50	Cr	108.233007	20.289	27561.974	ug/L	-1264.590
	53	Cr	96.447650	2.919	337177.525	ug/L	186267.005
	61	Ni	95.786360	6.249	10665.852	ug/L	5709.225
	63	Cu	99.653974	1.307	262698.747	ug/L	227.008
	67	Zn	98.697048	2.226	15070.596	ug/L	3079.518
	66	Zn	97.910239	0.645	69461.531	ug/L	3195.656
	76	Se	94.371511	7.941	-620204.525	ug/L	-634285.559
	77	Se	98.160509	2.001	57053.250	ug/L	27601.788
	78	Se	101.201040	0.959	129536.225	ug/L	36713.740

79	Br	430.586341	2450.564	98463.990	ug/L	99274.548
72	Ge			4041555.716	ug/L	4077265.455
108	Cd	100.085717	1.245	23818.662	ug/L	15.694
114	Cd	100.896846	0.734	751805.549	ug/L	252.964
109	Ag	50.003891	0.622	259943.922	ug/L	245.343
115	In			3762648.046	ug/L	3794237.235
208	207.977	100.496769	1.075	1800457.024	ug/L	2730.094
207	Pb	100.488124	0.627	676995.448	ug/L	1106.070
206	Pb	100.508761	1.495	885386.098	ug/L	1315.433
169	Tm			2271943.066	ug/L	2281591.385
106	Pd	100.417451	0.255	31481.198	ug/L	20.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	97.880
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	99.124
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	99.167
Tl	205	
Pb	208	
Tm-1	169	99.577
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	99.124
Cd	108	
Cd	114	
Ag	109	
In	115	99.167
207.977	208	
Pb	207	
Pb	206	
Tm	169	99.577
Pd	106	

Sample ID: CCB 12
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 20:52:38
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 12.091
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			3908702.903	ug/L	3869300.255
>	6	Li-1			986613.706	ug/L	974365.447
	9	Be	0.000774	505.411	10.000	ug/L	9.667
	27	Al	-0.080056	319.057	61180.854	ug/L	59591.575
	44	Ca	-9.578696	26.705	76747.467	ug/L	78335.432
	51	V	0.197638	212.650	-30682.781	ug/L	-33113.028
	52	Cr	-0.087990	103.916	55595.129	ug/L	54946.997
	55	Mn	0.002874	388.886	5724.542	ug/L	5464.706
	54	Fe	-3.450058	31.358	167196.457	ug/L	165692.366
	57	Fe	-0.817387	178.062	35951.849	ug/L	35158.686
	59	Co	0.000418	480.818	581.353	ug/L	554.351
	60	Ni	-0.006799	128.447	289.899	ug/L	304.153
	65	Cu	-0.005543	110.554	443.636	ug/L	449.149
	68	Zn	0.183550	206.568	8340.324	ug/L	7783.825
	75	As	-0.269086	27.843	33962.448	ug/L	33857.936
	82	Se	-0.166201	41.682	1128.712	ug/L	1152.778
	97	Mo	0.051348	430.863	2879.829	ug/L	2614.072
>	72	Ge-1			4218030.246	ug/L	4077265.455
	107	Ag	0.003421	71.824	743.365	ug/L	673.693
	111	Cd	-0.001327	300.045	98.733	ug/L	100.980
	121	Sb	-0.002146	130.488	729.697	ug/L	735.031
	135	Ba	0.007131	77.914	652.358	ug/L	619.689
>	115	In-1			3877907.303	ug/L	3794237.235
	205	Tl	0.046804	136.536	9967.430	ug/L	8692.067
	208	Pb	0.008643	77.746	5536.683	ug/L	5151.597
>	169	Tm-1			2321423.894	ug/L	2281591.385
	50	Cr	-0.050363	240.848	-1322.033	ug/L	-1264.590
	53	Cr	-1.713853	150.527	189857.283	ug/L	186267.005
	61	Ni	-6.533327	88.975	5548.931	ug/L	5709.225
	63	Cu	-0.003653	168.577	224.675	ug/L	227.008
	67	Zn	-0.378732	134.991	3138.243	ug/L	3079.518
	66	Zn	0.447586	60.083	3623.772	ug/L	3195.656
	76	Se	-61.060831	171.186	-661994.966	ug/L	-634285.559
	77	Se	-2.850808	43.062	27653.560	ug/L	27601.788
	78	Se	-1.131566	38.656	36890.976	ug/L	36713.740

79	Br	-20545.107330	32.194	99499.168	ug/L	99274.548
72	Ge			4218030.246	ug/L	4077265.455
108	Cd	-0.011571	95.001	13.212	ug/L	15.694
114	Cd	0.002850	82.746	280.543	ug/L	252.964
109	Ag	0.001860	74.753	260.678	ug/L	245.343
115	In			3877907.303	ug/L	3794237.235
208	207.977	0.006729	133.299	2900.815	ug/L	2730.094
207	Pb	0.008394	48.528	1183.080	ug/L	1106.070
206	Pb	0.012724	50.336	1452.787	ug/L	1315.433
169	Tm			2321423.894	ug/L	2281591.385
106	Pd	-0.012767	112.731	16.667	ug/L	20.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	101.257
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	103.452
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	102.205
Tl	205	
Pb	208	
Tm-1	169	101.746
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.452
Cd	108	
Cd	114	
Ag	109	
In	115	102.205
207.977	208	
Pb	207	
Pb	206	
Tm	169	101.746
Pd	106	

Sample ID: H5CJ4C
Sample Description: G6E120000-516 LCS
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 20:56:58
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H5CJ4C.092
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 107
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3667885.098	ug/L	3869300.255
>	6	Li-1			1002393.562	ug/L	974365.447
	9	Be	181.371864	0.800	52408.494	ug/L	9.667
	27	Al	942.624612	3.181	5128813.346	ug/L	59591.575
	44	Ca	950.197278	1.747	474637.017	ug/L	78335.432
	51	V	180.364750	1.846	3046916.775	ug/L	-33113.028
	52	Cr	201.208813	2.157	2727604.041	ug/L	54946.997
	55	Mn	189.837811	2.947	4402543.589	ug/L	5464.706
	54	Fe	903.853049	2.600	1194317.730	ug/L	165692.366
	57	Fe	879.800255	3.816	452825.106	ug/L	35158.686
	59	Co	196.887407	1.682	3479855.694	ug/L	554.351
	60	Ni	197.973504	2.309	681898.068	ug/L	304.153
	65	Cu	195.855211	1.927	698028.468	ug/L	449.149
	68	Zn	184.086792	1.343	273955.967	ug/L	7783.825
	75	As	180.974246	0.751	702706.513	ug/L	33857.936
	82	Se	179.929377	2.008	65826.266	ug/L	1152.778
	97	Mo	203.278385	1.182	646908.698	ug/L	2614.072
>	72	Ge-1			3955990.200	ug/L	4077265.455
	107	Ag	47.380965	1.191	758342.444	ug/L	673.693
	111	Cd	183.778591	0.704	621965.859	ug/L	100.980
	121	Sb	44.882971	1.648	449817.007	ug/L	735.031
	135	Ba	197.894230	0.996	531453.445	ug/L	619.689
>	115	In-1			3883753.029	ug/L	3794237.235
	205	Tl	52.075362	0.755	1269740.418	ug/L	8692.067
	208	Pb	207.130142	1.487	7137472.221	ug/L	5151.597
>	169	Tm-1			2341421.289	ug/L	2281591.385
	50	Cr	186.222956	7.270	47301.975	ug/L	-1264.590
	53	Cr	132.969682	5.818	386535.815	ug/L	186267.005
	61	Ni	211.154919	2.551	16337.931	ug/L	5709.225
	63	Cu	207.613353	7.669	535256.690	ug/L	227.008
	67	Zn	174.378365	1.783	23768.718	ug/L	3079.518
	66	Zn	177.786333	1.395	120919.441	ug/L	3195.656
	76	Se	212.903382	22.114	-596609.414	ug/L	-634285.559
	77	Se	121.996139	2.098	62905.928	ug/L	27601.788
	78	Se	180.241066	1.246	198004.416	ug/L	36713.740

	79 Br	-316874.948461	5.545	50003.033	ug/L	99274.548
>	72 Ge			3955990.200	ug/L	4077265.455
	108 Cd	177.212184	0.611	43518.638	ug/L	15.694
	114 Cd	200.162311	1.333	1539052.912	ug/L	252.964
	109 Ag	48.387801	1.428	259621.191	ug/L	245.343
>	115 In			3883753.029	ug/L	3794237.235
	208 207.977	205.400230	1.140	3789488.837	ug/L	2730.094
	207 Pb	214.843308	6.625	1490482.266	ug/L	1106.070
	206 Pb	204.750273	0.726	1857501.118	ug/L	1315.433
>	169 Tm			2341421.289	ug/L	2281591.385
	106 Pd	189.302053	2.130	59328.516	ug/L	20.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	102.877
	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	97.026
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.359
	Tl	205	
	Pb	208	
>	Tm-1	169	102.622
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	97.026
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.359
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	102.622
	Pd	106	

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

Sample ID: H5CJ4L
Sample Description: G6E120000-516 LCSD
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 21:01:16
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H5CJ4L.093
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 108
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3686455.847	ug/L	3869300.255
>	6	Li-1			995354.951	ug/L	974365.447
	9	Be	189.633036	0.876	54415.718	ug/L	9.667
	27	Al	1049.005004	3.545	5578905.156	ug/L	59591.575
	44	Ca	978.032535	2.343	475883.284	ug/L	78335.432
	51	V	188.852221	1.999	3122773.317	ug/L	-33113.028
	52	Cr	206.305255	1.215	2735671.248	ug/L	54946.997
	55	Mn	198.886003	0.736	4513538.220	ug/L	5464.706
	54	Fe	989.792890	1.751	1264595.557	ug/L	165692.366
	57	Fe	949.502077	3.682	475345.848	ug/L	35158.686
	59	Co	201.701335	1.718	3488646.680	ug/L	554.351
	60	Ni	198.919480	2.923	670437.517	ug/L	304.153
	65	Cu	201.029773	1.195	701102.831	ug/L	449.149
	68	Zn	187.938251	3.319	273512.450	ug/L	7783.825
	75	As	186.280584	0.623	706847.300	ug/L	33857.936
	82	Se	184.444989	1.564	66000.254	ug/L	1152.778
	97	Mo	210.240554	1.970	654600.705	ug/L	2614.072
>	72	Ge-1			3871366.910	ug/L	4077265.455
	107	Ag	47.950920	1.064	762362.202	ug/L	673.693
	111	Cd	186.914372	1.910	628292.327	ug/L	100.980
	121	Sb	46.132254	0.709	459293.315	ug/L	735.031
	135	Ba	200.490287	2.332	534775.239	ug/L	619.689
>	115	In-1			3857737.208	ug/L	3794237.235
	205	Tl	52.387208	1.382	1296220.812	ug/L	8692.067
	208	Pb	205.616849	1.086	7190577.480	ug/L	5151.597
>	169	Tm-1			2376341.123	ug/L	2281591.385
	50	Cr	186.552499	3.665	46362.967	ug/L	-1264.590
	53	Cr	131.267390	8.749	375620.394	ug/L	186267.005
	61	Ni	223.709336	8.298	16613.109	ug/L	5709.225
	63	Cu	206.560689	8.867	521303.786	ug/L	227.008
	67	Zn	178.389814	2.215	23727.410	ug/L	3079.518
	66	Zn	186.346001	2.032	123875.641	ug/L	3195.656
	76	Se	371.558065	19.114	-570133.614	ug/L	-634285.559
	77	Se	126.605131	3.497	62885.136	ug/L	27601.788
	78	Se	187.605458	3.388	200211.612	ug/L	36713.740

79 Br	-316702.662108	5.500	48933.709	ug/L	99274.548
72 Ge			3871366.910	ug/L	4077265.455
108 Cd	182.848090	1.483	44599.075	ug/L	15.694
114 Cd	204.825283	1.736	1564398.345	ug/L	252.964
109 Ag	48.321398	1.730	257527.680	ug/L	245.343
115 In			3857737.208	ug/L	3794237.235
208 207.977	200.768876	0.748	3759242.017	ug/L	2730.094
207 Pb	220.819610	1.112	1554612.343	ug/L	1106.070
206 Pb	203.851055	1.872	1876723.120	ug/L	1315.433
169 Tm			2376341.123	ug/L	2281591.385
106 Pd	189.386499	0.610	59354.973	ug/L	20.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	102.154
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	94.950
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	101.674
Tl	205	
Pb	208	
Tm-1	169	104.153
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	94.950
Cd	108	
Cd	114	
Ag	109	
In	115	101.674
207.977	208	
Pb	207	
Pb	206	
Tm	169	104.153
Pd	106	

Sample ID: Rinse
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 21:05:36
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\Rinse.094
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			3906394.645	ug/L	3869300.255
>	6	Li-1			1016340.539	ug/L	974365.447
	9	Be	0.009941	67.036	13.000	ug/L	9.667
	27	Al	0.473864	79.430	61789.860	ug/L	59591.575
	44	Ca	-6.095876	48.266	75178.591	ug/L	78335.432
	51	V	-0.056320	450.232	-33853.860	ug/L	-33113.028
	52	Cr	-0.259711	53.693	51027.761	ug/L	54946.997
	55	Mn	-0.003850	157.775	5335.960	ug/L	5464.706
	54	Fe	-4.004522	98.852	159852.029	ug/L	165692.366
	57	Fe	-4.625018	55.650	32658.893	ug/L	35158.686
	59	Co	0.005455	35.533	649.024	ug/L	554.351
	60	Ni	0.005035	223.457	319.546	ug/L	304.153
	65	Cu	0.011454	70.338	487.721	ug/L	449.149
	68	Zn	0.524281	180.406	8499.192	ug/L	7783.825
	75	As	-0.081923	320.902	33313.891	ug/L	33857.936
	82	Se	-0.097784	76.191	1108.975	ug/L	1152.778
	97	Mo	0.051700	306.600	2760.444	ug/L	2614.072
>	72	Ge-1			4049700.597	ug/L	4077265.455
	107	Ag	0.029817	10.793	1146.742	ug/L	673.693
	111	Cd	0.006123	74.125	121.978	ug/L	100.980
	121	Sb	0.384675	20.311	4524.526	ug/L	735.031
	135	Ba	0.007741	154.530	644.024	ug/L	619.689
>	115	In-1			3817904.136	ug/L	3794237.235
	205	Tl	-0.189534	0.967	4281.047	ug/L	8692.067
	208	Pb	0.018090	47.546	5841.095	ug/L	5151.597
>	169	Tm-1			2314357.312	ug/L	2281591.385
	50	Cr	0.174563	117.219	-1209.125	ug/L	-1264.590
	53	Cr	-5.333110	85.193	176502.418	ug/L	186267.005
	61	Ni	-8.729684	86.883	5210.687	ug/L	5709.225
	63	Cu	0.010085	59.967	252.010	ug/L	227.008
	67	Zn	-0.195236	973.152	3033.142	ug/L	3079.518
	66	Zn	0.909682	99.625	3786.995	ug/L	3195.656
	76	Se	-41.867488	293.040	-633871.357	ug/L	-634285.559
	77	Se	-10.524240	18.034	24220.779	ug/L	27601.788
	78	Se	-1.395809	56.535	35172.760	ug/L	36713.740

79	Br	-23150.900716	111.895	95109.337	ug/L	99274.548
72	Ge			4049700.597	ug/L	4077265.455
108	Cd	-0.017942	118.151	11.484	ug/L	15.694
114	Cd	0.008183	45.793	316.576	ug/L	252.964
109	Ag	0.027269	18.699	390.691	ug/L	245.343
115	In			3817904.136	ug/L	3794237.235
208	207.977	0.016647	54.800	3072.540	ug/L	2730.094
207	Pb	0.020408	32.494	1261.758	ug/L	1106.070
206	Pb	0.019252	50.149	1506.797	ug/L	1315.433
169	Tm			2314357.312	ug/L	2281591.385
106	Pd	-0.018087	107.343	15.000	ug/L	20.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	104.308
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	99.324
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.624
Tl	205	
Pb	208	
Tm-1	169	101.436
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	99.324
Cd	108	
Cd	114	
Ag	109	
In	115	100.624
207.977	208	
Pb	207	
Pb	206	
Tm	169	101.436
Pd	106	

Sample ID: H5CJ4B
Sample Description: G6E120000-516 BLK
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 21:09:59
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H5CJ4B.095
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 23
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3649644.101	ug/L	3869300.255
>	6	Li-1			1025566.954	ug/L	974365.447
	9	Be	-0.019760	9.939	4.333	ug/L	9.667
	27	Al	-2.344931	15.324	44649.307	ug/L	59591.575
	44	Ca	-17.272921	30.998	67923.618	ug/L	78335.432
	51	V	1.544004	8.749	-5747.973	ug/L	-33113.028
	52	Cr	-1.479011	3.574	33255.091	ug/L	54946.997
	55	Mn	0.177092	2.128	9296.606	ug/L	5464.706
	54	Fe	19.553412	32.894	180875.083	ug/L	165692.366
	57	Fe	-4.790569	80.261	31431.636	ug/L	35158.686
	59	Co	-0.009958	20.303	357.007	ug/L	554.351
	60	Ni	0.018602	36.469	354.622	ug/L	304.153
	65	Cu	-0.008081	131.851	401.602	ug/L	449.149
	68	Zn	0.843460	35.562	8663.621	ug/L	7783.825
	75	As	0.124800	261.703	32909.955	ug/L	33857.936
	82	Se	-0.115331	180.883	1063.207	ug/L	1152.778
	97	Mo	-0.526363	2.906	858.709	ug/L	2614.072
>	72	Ge-1			3910579.959	ug/L	4077265.455
	107	Ag	-0.026377	4.967	268.671	ug/L	673.693
	111	Cd	-0.021624	10.865	30.273	ug/L	100.980
	121	Sb	0.048392	28.971	1240.089	ug/L	735.031
	135	Ba	-0.104271	5.197	355.674	ug/L	619.689
>	115	In-1			3896005.329	ug/L	3794237.235
	205	Tl	-0.326662	0.334	1026.727	ug/L	8692.067
	208	Pb	0.022850	18.995	6167.521	ug/L	5151.597
>	169	Tm-1			2377595.109	ug/L	2281591.385
	50	Cr	2.667398	2.637	-526.227	ug/L	-1264.590
	53	Cr	-65.135988	1.292	79005.579	ug/L	186267.005
	61	Ni	-1.455495	370.137	5397.326	ug/L	5709.225
	63	Cu	-0.006367	199.373	201.007	ug/L	227.008
	67	Zn	-9.822944	4.760	1795.516	ug/L	3079.518
	66	Zn	1.220413	38.352	3858.385	ug/L	3195.656
	76	Se	105.858942	27.799	-599079.063	ug/L	-634285.559
	77	Se	-52.116292	1.630	11217.702	ug/L	27601.788
	78	Se	-0.348661	427.444	34875.375	ug/L	36713.740

79	Br	-337049.579395	1.725	46518.521	ug/L	99274.548
72	Ge			3910579.959	ug/L	4077265.455
108	Cd	-0.050213	27.337	3.742	ug/L	15.694
114	Cd	-0.022166	7.154	88.816	ug/L	252.964
109	Ag	-0.030244	12.348	89.335	ug/L	245.343
115	In			3896005.329	ug/L	3794237.235
208	207.977	0.023019	8.229	3275.947	ug/L	2730.094
207	Pb	0.023546	38.211	1318.433	ug/L	1106.070
206	Pb	0.021975	27.296	1573.142	ug/L	1315.433
169	Tm			2377595.109	ug/L	2281591.385
106	Pd	-0.036174	18.368	9.333	ug/L	20.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	105.255
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	95.912
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	102.682
Tl	205	
Pb	208	
Tm-1	169	104.208
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	95.912
Cd	108	
Cd	114	
Ag	109	
In	115	102.682
207.977	208	
Pb	207	
Pb	206	
Tm	169	104.208
Pd	106	

Sample ID: H4XGJ
Sample Description: G6E080132-1
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 21:14:18
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H4XGJ.096
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 64
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3714673.126	ug/L	3869300.255
>	6	Li-1			1037780.220	ug/L	974365.447
	9	Be	-0.021100	26.339	4.000	ug/L	9.667
	27	Al	207.289582	7.063	1185068.622	ug/L	59591.575
	44	Ca	575.004526	1.607	320450.425	ug/L	78335.432
	51	V	1.927460	1.998	775.795	ug/L	-33113.028
	52	Cr	0.436325	17.641	59692.265	ug/L	54946.997
	55	Mn	10.740900	1.327	256622.648	ug/L	5464.706
	54	Fe	842.910903	1.098	1135699.556	ug/L	165692.366
	57	Fe	833.483314	2.569	434857.351	ug/L	35158.686
	59	Co	0.483284	2.161	9169.805	ug/L	554.351
	60	Ni	1.140374	1.450	4263.372	ug/L	304.153
	65	Cu	21.824454	0.994	78942.205	ug/L	449.149
	68	Zn	5.676789	1.799	15923.810	ug/L	7783.825
	75	As	0.264470	56.637	34160.681	ug/L	33857.936
	82	Se	0.161373	59.997	1187.952	ug/L	1152.778
	97	Mo	-0.330811	3.975	1502.129	ug/L	2614.072
>	72	Ge-1			3995279.133	ug/L	4077265.455
	107	Ag	-0.013923	25.537	471.346	ug/L	673.693
	111	Cd	0.020419	21.445	174.075	ug/L	100.980
	121	Sb	0.090337	5.626	1671.826	ug/L	735.031
	135	Ba	4.113079	1.425	11777.923	ug/L	619.689
>	115	In-1			3920279.181	ug/L	3794237.235
	205	Tl	-0.311601	0.745	1398.445	ug/L	8692.067
	208	Pb	1.379841	2.141	53676.972	ug/L	5151.597
>	169	Tm-1			2380700.569	ug/L	2281591.385
	50	Cr	6.460556	9.500	459.419	ug/L	-1264.590
	53	Cr	-61.998144	3.690	85606.013	ug/L	186267.005
	61	Ni	-1.703045	232.722	5508.192	ug/L	5709.225
	63	Cu	22.275484	0.194	58217.345	ug/L	227.008
	67	Zn	-4.311540	20.665	2498.667	ug/L	3079.518
	66	Zn	5.710498	3.523	6954.736	ug/L	3195.656
	76	Se	19.417243	565.267	-619884.966	ug/L	-634285.559
	77	Se	-51.744729	2.844	11573.695	ug/L	27601.788
	78	Se	-1.153906	52.678	34920.628	ug/L	36713.740

	79 Br	-290442.164912	3.713	54396.530	ug/L	99274.548
>	72 Ge			3995279.133	ug/L	4077265.455
	108 Cd	0.182923	18.455	61.566	ug/L	15.694
	114 Cd	0.008468	49.679	326.997	ug/L	252.964
	109 Ag	-0.018761	20.296	152.004	ug/L	245.343
>	115 In			3920279.181	ug/L	3794237.235
	208 207.977	1.371222	1.715	28550.508	ug/L	2730.094
	207 Pb	1.485439	3.366	11621.047	ug/L	1106.070
	206 Pb	1.316626	3.333	13505.417	ug/L	1315.433
>	169 Tm			2380700.569	ug/L	2281591.385
	106 Pd	0.652212	11.063	225.003	ug/L	20.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	106.508
	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	97.989
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	103.322
	Tl	205	
	Pb	208	
>	Tm-1	169	104.344
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	97.989
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	103.322
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.344
	Pd	106	

Sample ID: H4XGJP5
Sample Description: G6E080132-1 5X
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 21:18:34
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H4XGJP5.097
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 65
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3749700.028	ug/L	3869300.255
>	6	Li-1			1033831.115	ug/L	974365.447
	9	Be	-0.016505	24.096	5.333	ug/L	9.667
	27	Al	40.124067	1.287	278414.828	ug/L	59591.575
	44	Ca	114.179463	2.422	126072.414	ug/L	78335.432
	51	V	0.260422	454.317	-28290.309	ug/L	-33113.028
	52	Cr	-0.003350	1073.687	54196.660	ug/L	54946.997
	55	Mn	1.571726	1.836	42437.003	ug/L	5464.706
	54	Fe	53.290799	7.139	225576.575	ug/L	165692.366
	57	Fe	49.703376	4.313	58766.129	ug/L	35158.686
	59	Co	0.074848	5.532	1892.872	ug/L	554.351
	60	Ni	0.188812	2.382	961.708	ug/L	304.153
	65	Cu	4.509288	2.276	16784.436	ug/L	449.149
	68	Zn	3.891440	17.747	13421.001	ug/L	7783.825
	75	As	-0.051336	262.266	33228.793	ug/L	33857.936
	82	Se	-0.031205	403.051	1126.811	ug/L	1152.778
	97	Mo	-0.636013	1.246	529.349	ug/L	2614.072
>	72	Ge-1			4025171.099	ug/L	4077265.455
	107	Ag	-0.018941	10.310	383.008	ug/L	673.693
	111	Cd	-0.016214	5.598	48.049	ug/L	100.980
	121	Sb	0.024014	8.995	983.055	ug/L	735.031
	135	Ba	0.854502	3.030	2898.480	ug/L	619.689
>	115	In-1			3847114.120	ug/L	3794237.235
	205	Tl	-0.339202	0.340	703.362	ug/L	8692.067
	208	Pb	0.293506	4.681	15302.564	ug/L	5151.597
>	169	Tm-1			2327892.989	ug/L	2281591.385
	50	Cr	1.380097	36.187	-882.015	ug/L	-1264.590
	53	Cr	-15.400731	6.022	159621.111	ug/L	186267.005
	61	Ni	-5.994488	38.830	5323.531	ug/L	5709.225
	63	Cu	4.546896	0.201	12150.577	ug/L	227.008
	67	Zn	1.085445	89.089	3171.944	ug/L	3079.518
	66	Zn	4.235433	12.662	6012.797	ug/L	3195.656
	76	Se	65.723667	105.284	-620231.997	ug/L	-634285.559
	77	Se	-15.797709	3.622	22488.545	ug/L	27601.788
	78	Se	-1.255635	39.340	35091.046	ug/L	36713.740

	79 Br	-64585.731834	15.291	88390.433	ug/L	99274.548
>	72 Ge			4025171.099	ug/L	4077265.455
	108 Cd	-0.008333	312.210	13.819	ug/L	15.694
	114 Cd	-0.015403	11.645	139.214	ug/L	252.964
	109 Ag	-0.022481	3.203	129.336	ug/L	245.343
>	115 In			3847114.120	ug/L	3794237.235
	208 207.977	0.288680	6.163	8075.728	ug/L	2730.094
	207 Pb	0.317007	0.945	3313.294	ug/L	1106.070
	206 Pb	0.285349	6.132	3913.542	ug/L	1315.433
>	169 Tm			2327892.989	ug/L	2281591.385
	106 Pd	0.085116	24.969	47.333	ug/L	20.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	106.103
	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	98.722
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.394
	Tl	205	
	Pb	208	
>	Tm-1	169	102.029
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	98.722
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.394
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	102.029
	Pd	106	

Sample ID: H4XGJZ
Sample Description: G6E080132-1 PS
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 21:22:50
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H4XGJZ.098
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 66
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3575392.512	ug/L	3869300.255
>	6	Li-1			1004475.090	ug/L	974365.447
	9	Be	191.179772	0.782	55353.882	ug/L	9.667
	27	Al	1237.262129	2.150	6541803.197	ug/L	59591.575
	44	Ca	1570.728282	5.531	715879.098	ug/L	78335.432
	51	V	191.314914	3.533	3150323.757	ug/L	-33113.028
	52	Cr	209.735511	6.211	2766439.068	ug/L	54946.997
	55	Mn	207.361265	3.817	4684957.765	ug/L	5464.706
	54	Fe	1859.600248	3.890	2227953.902	ug/L	165692.366
	57	Fe	1609.790951	4.114	779437.516	ug/L	35158.686
	59	Co	197.337920	1.082	3401140.025	ug/L	554.351
	60	Ni	194.918408	3.588	654208.089	ug/L	304.153
	65	Cu	222.436909	6.294	771826.760	ug/L	449.149
	68	Zn	197.157841	2.184	285463.303	ug/L	7783.825
	75	As	189.476318	2.426	715510.856	ug/L	33857.936
	82	Se	191.019107	2.441	68040.608	ug/L	1152.778
	97	Mo	210.428494	3.846	652328.880	ug/L	2614.072
>	72	Ge-1			3857524.407	ug/L	4077265.455
	107	Ag	59.678886	3.030	943721.308	ug/L	673.693
	111	Cd	190.998085	3.118	638737.335	ug/L	100.980
	121	Sb	46.415657	4.344	459552.461	ug/L	735.031
	135	Ba	205.747262	3.638	545926.438	ug/L	619.689
>	115	In-1			3839946.722	ug/L	3794237.235
	205	Tl	53.562075	1.039	1288285.899	ug/L	8692.067
	208	Pb	211.508217	3.166	7190114.502	ug/L	5151.597
>	169	Tm-1			2310344.556	ug/L	2281591.385
	50	Cr	201.452360	12.408	49892.303	ug/L	-1264.590
	53	Cr	135.016330	9.042	379616.649	ug/L	186267.005
	61	Ni	201.368544	6.194	15437.069	ug/L	5709.225
	63	Cu	243.061633	5.602	610407.095	ug/L	227.008
	67	Zn	189.845156	3.979	24955.920	ug/L	3079.518
	66	Zn	192.572754	3.387	127377.710	ug/L	3195.656
	76	Se	234.172968	25.280	-580024.921	ug/L	-634285.559
	77	Se	134.097352	6.181	64792.584	ug/L	27601.788
	78	Se	193.192655	3.940	204289.594	ug/L	36713.740

	79 Br	-278088.273163	4.099	54275.740	ug/L	99274.548
>	72 Ge			3857524.407	ug/L	4077265.455
	108 Cd	185.780853	4.044	45073.359	ug/L	15.694
	114 Cd	209.612149	3.229	1592638.296	ug/L	252.964
	109 Ag	59.614197	3.694	315985.786	ug/L	245.343
>	115 In			3839946.722	ug/L	3794237.235
	208 207.977	208.825704	3.211	3800622.924	ug/L	2730.094
	207 Pb	220.474243	6.550	1508950.986	ug/L	1106.070
	206 Pb	210.107589	1.780	1880540.592	ug/L	1315.433
>	169 Tm			2310344.556	ug/L	2281591.385
	106 Pd	193.594409	0.482	60673.300	ug/L	20.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.090
	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	94.611
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.205
	Tl	205	
	Pb	208	
>	Tm-1	169	101.260
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	94.611
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.205
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	101.260
	Pd	106	

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

Sample ID: H4XGK
Sample Description: G6E080132-2
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 21:27:07
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H4XGK.099
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 67
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3643708.580	ug/L	3869300.255
>	6	Li-1			1030437.326	ug/L	974365.447
	9	Be	-0.011912	46.187	6.667	ug/L	9.667
	27	Al	213.760598	2.567	1191904.633	ug/L	59591.575
	44	Ca	547.402745	2.196	301754.598	ug/L	78335.432
	51	V	1.634843	11.501	-4164.648	ug/L	-33113.028
	52	Cr	0.147819	29.298	54569.642	ug/L	54946.997
	55	Mn	6.988494	0.821	165049.189	ug/L	5464.706
	54	Fe	213.306878	3.843	399429.547	ug/L	165692.366
	57	Fe	198.493073	2.118	126905.729	ug/L	35158.686
	59	Co	0.298158	2.262	5732.544	ug/L	554.351
	60	Ni	1.077350	0.936	3953.588	ug/L	304.153
	65	Cu	14.794971	3.323	52446.898	ug/L	449.149
	68	Zn	5.507245	3.858	15323.073	ug/L	7783.825
	75	As	0.394124	17.969	33871.762	ug/L	33857.936
	82	Se	0.313824	39.472	1215.357	ug/L	1152.778
	97	Mo	0.169770	127.973	3033.543	ug/L	2614.072
>	72	Ge-1			3905495.732	ug/L	4077265.455
	107	Ag	0.001929	107.160	716.696	ug/L	673.693
	111	Cd	0.031712	3.902	209.554	ug/L	100.980
	121	Sb	0.362404	18.326	4353.098	ug/L	735.031
	135	Ba	4.071760	0.453	11494.879	ug/L	619.689
>	115	In-1			3862951.643	ug/L	3794237.235
	205	Tl	-0.324743	1.125	1062.065	ug/L	8692.067
	208	Pb	1.365213	0.705	52504.640	ug/L	5151.597
>	169	Tm-1			2350826.187	ug/L	2281591.385
	50	Cr	5.068799	3.882	92.174	ug/L	-1264.590
	53	Cr	-62.805576	4.437	82424.636	ug/L	186267.005
	61	Ni	-2.767766	139.199	5327.874	ug/L	5709.225
	63	Cu	14.943947	1.473	38246.632	ug/L	227.008
	67	Zn	-4.193066	20.851	2456.299	ug/L	3079.518
	66	Zn	6.025323	3.533	7003.509	ug/L	3195.656
	76	Se	75.688847	145.582	-600982.844	ug/L	-634285.559
	77	Se	-53.032191	2.949	10935.787	ug/L	27601.788
	78	Se	-0.361363	81.087	34844.610	ug/L	36713.740

79	Br	-289200.844653	4.948	53349.723	ug/L	99274.548
72	Ge			3905495.732	ug/L	4077265.455
108	Cd	0.152455	9.860	53.221	ug/L	15.694
114	Cd	0.020026	18.885	410.579	ug/L	252.964
109	Ag	-0.003697	82.838	230.008	ug/L	245.343
115	In			3862951.643	ug/L	3794237.235
208	207.977	1.352053	1.064	27838.548	ug/L	2730.094
207	Pb	1.510545	1.000	11652.420	ug/L	1106.070
206	Pb	1.280849	1.344	13013.672	ug/L	1315.433
169	Tm			2350826.187	ug/L	2281591.385
106	Pd	0.657531	4.129	226.670	ug/L	20.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	105.755
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	95.787
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	101.811
Tl	205	
Pb	208	
Tm-1	169	103.034
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	95.787
Cd	108	
Cd	114	
Ag	109	
In	115	101.811
207.977	208	
Pb	207	
Pb	206	
Tm	169	103.034
Pd	106	

Sample ID: H4XGN
Sample Description: G6E080132-3
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 21:31:24
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H4XGN.100
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 68
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3589519.471	ug/L	3869300.255
>	6	Li-1			1030465.969	ug/L	974365.447
	9	Be	-0.018735	8.383	4.667	ug/L	9.667
	27	Al	198.274534	8.821	1093047.505	ug/L	59591.575
	44	Ca	571.805588	3.081	307248.642	ug/L	78335.432
	51	V	1.757551	5.853	-2074.440	ug/L	-33113.028
	52	Cr	0.272131	45.084	55368.731	ug/L	54946.997
	55	Mn	6.470036	2.100	150909.408	ug/L	5464.706
	54	Fe	238.882919	2.577	421980.424	ug/L	165692.366
	57	Fe	210.552603	2.342	130599.560	ug/L	35158.686
	59	Co	0.257149	1.794	4943.396	ug/L	554.351
	60	Ni	0.783246	1.504	2910.121	ug/L	304.153
	65	Cu	32.262406	1.532	112180.774	ug/L	449.149
	68	Zn	5.519790	4.487	15115.718	ug/L	7783.825
	75	As	0.632481	26.462	34228.635	ug/L	33857.936
	82	Se	0.256365	36.416	1177.361	ug/L	1152.778
	97	Mo	-0.292921	5.960	1563.807	ug/L	2614.072
>	72	Ge-1			3847476.102	ug/L	4077265.455
	107	Ag	-0.009723	38.430	527.349	ug/L	673.693
	111	Cd	0.022757	34.006	178.340	ug/L	100.980
	121	Sb	0.131987	5.322	2048.573	ug/L	735.031
	135	Ba	4.391549	1.439	12264.589	ug/L	619.689
>	115	In-1			3837215.012	ug/L	3794237.235
	205	Tl	-0.333185	0.405	854.375	ug/L	8692.067
	208	Pb	1.674047	2.453	63006.083	ug/L	5151.597
>	169	Tm-1			2344452.986	ug/L	2281591.385
	50	Cr	6.369706	7.053	420.536	ug/L	-1264.590
	53	Cr	-61.271843	5.845	83537.093	ug/L	186267.005
	61	Ni	-1.465181	180.900	5314.852	ug/L	5709.225
	63	Cu	32.503422	1.149	81705.411	ug/L	227.008
	67	Zn	-4.708853	25.551	2360.226	ug/L	3079.518
	66	Zn	5.801368	5.985	6755.634	ug/L	3195.656
	76	Se	131.059320	96.608	-587233.109	ug/L	-634285.559
	77	Se	-51.475499	2.609	11222.707	ug/L	27601.788
	78	Se	0.867780	67.703	35403.929	ug/L	36713.740

79 Br	-295228.139151	5.117	51706.200	ug/L	99274.548
72 Ge			3847476.102	ug/L	4077265.455
108 Cd	0.206537	24.841	65.936	ug/L	15.694
114 Cd	0.014508	37.555	365.739	ug/L	252.964
109 Ag	-0.016192	21.738	162.338	ug/L	245.343
115 In			3837215.012	ug/L	3794237.235
208 207.977	1.665399	3.060	33544.866	ug/L	2730.094
207 Pb	1.822211	2.845	13783.184	ug/L	1106.070
206 Pb	1.578338	1.156	15678.033	ug/L	1315.433
169 Tm			2344452.986	ug/L	2281591.385
106 Pd	0.610716	12.357	212.003	ug/L	20.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	105.758
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	94.364
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	101.133
Tl	205	
Pb	208	
Tm-1	169	102.755
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	94.364
Cd	108	
Cd	114	
Ag	109	
In	115	101.133
207.977	208	
Pb	207	
Pb	206	
Tm	169	102.755
Pd	106	

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

Sample ID: H4XGP
Sample Description: G6E080132-4
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 21:35:42
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H4XGP.101
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 69
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3711569.278	ug/L	3869300.255
>	6	Li-1			1022661.723	ug/L	974365.447
	9	Be	-0.009496	104.572	7.333	ug/L	9.667
	27	Al	215.342504	8.982	1203626.516	ug/L	59591.575
	44	Ca	603.659997	0.589	326178.931	ug/L	78335.432
	51	V	1.621765	12.073	-4415.612	ug/L	-33113.028
	52	Cr	0.274342	51.474	56403.248	ug/L	54946.997
	55	Mn	6.849612	1.539	162423.104	ug/L	5464.706
	54	Fe	239.396455	2.594	430285.912	ug/L	165692.366
	57	Fe	217.042042	4.216	136038.304	ug/L	35158.686
	59	Co	0.426208	2.938	7993.985	ug/L	554.351
	60	Ni	0.986809	3.134	3657.169	ug/L	304.153
	65	Cu	15.998366	0.946	56872.236	ug/L	449.149
	68	Zn	8.076700	9.126	19057.102	ug/L	7783.825
	75	As	0.652248	61.684	34920.836	ug/L	33857.936
	82	Se	0.390161	6.886	1246.836	ug/L	1152.778
	97	Mo	-0.362383	2.836	1374.108	ug/L	2614.072
>	72	Ge-1			3918604.691	ug/L	4077265.455
	107	Ag	-0.018536	9.856	390.342	ug/L	673.693
	111	Cd	0.027431	37.180	194.742	ug/L	100.980
	121	Sb	0.124088	8.247	1979.558	ug/L	735.031
	135	Ba	5.096544	0.753	14204.855	ug/L	619.689
>	115	In-1			3856317.304	ug/L	3794237.235
	205	Tl	-0.333198	0.498	847.374	ug/L	8692.067
	208	Pb	2.060886	0.408	75774.393	ug/L	5151.597
>	169	Tm-1			2326852.918	ug/L	2281591.385
	50	Cr	5.357315	12.437	166.940	ug/L	-1264.590
	53	Cr	-61.430896	6.208	84783.034	ug/L	186267.005
	61	Ni	-3.565687	105.362	5305.168	ug/L	5709.225
	63	Cu	16.412491	1.591	42121.982	ug/L	227.008
	67	Zn	-2.551645	76.742	2657.802	ug/L	3079.518
	66	Zn	8.669251	2.366	8762.270	ug/L	3195.656
	76	Se	-54.960493	169.511	-614496.191	ug/L	-634285.559
	77	Se	-51.227406	1.809	11499.955	ug/L	27601.788
	78	Se	0.196399	470.397	35452.602	ug/L	36713.740

	79	Br	-302668.688645	6.960	51562.316	ug/L	99274.548
>	72	Ge			3918604.691	ug/L	4077265.455
	108	Cd	0.226252	14.871	71.146	ug/L	15.694
	114	Cd	0.018523	11.467	398.606	ug/L	252.964
	109	Ag	-0.024798	6.029	117.336	ug/L	245.343
>	115	In			3856317.304	ug/L	3794237.235
	208	207.977	2.049255	0.766	40328.056	ug/L	2730.094
	207	Pb	2.248370	0.529	16616.430	ug/L	1106.070
	206	Pb	1.941177	0.278	18829.907	ug/L	1315.433
>	169	Tm			2326852.918	ug/L	2281591.385
	106	Pd	0.701155	12.065	240.337	ug/L	20.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	104.957
	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	96.109
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.636
	Tl	205	
	Pb	208	
>	Tm-1	169	101.984
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	96.109
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.636
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	101.984
	Pd	106	

Sample ID: CCV 13
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 21:40:01
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 13.102
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			3809505.376	ug/L	3869300.255
>	6	Li-1			964255.397	ug/L	974365.447
	9	Be	101.354536	2.760	28161.248	ug/L	9.667
	27	Al	5209.655912	2.900	28713370.069	ug/L	59591.575
	44	Ca	5043.991853	2.904	2241722.042	ug/L	78335.432
	51	V	97.935195	3.886	1676678.215	ug/L	-33113.028
	52	Cr	93.040621	2.355	1319143.930	ug/L	54946.997
	55	Mn	99.066151	2.398	2352219.087	ug/L	5464.706
	54	Fe	5153.525136	1.937	6188976.952	ug/L	165692.366
	57	Fe	5046.433846	1.267	2490093.826	ug/L	35158.686
	59	Co	98.671194	0.821	1783836.956	ug/L	554.351
	60	Ni	98.488261	2.069	347101.689	ug/L	304.153
	65	Cu	99.306641	1.515	362170.930	ug/L	449.149
	68	Zn	98.601866	1.707	153652.165	ug/L	7783.825
	75	As	97.920662	2.957	404171.724	ug/L	33857.936
	82	Se	99.393428	1.756	37694.897	ug/L	1152.778
	97	Mo	200.335646	1.754	651987.629	ug/L	2614.072
>	72	Ge-1			4045514.331	ug/L	4077265.455
	107	Ag	49.732668	0.340	771988.682	ug/L	673.693
	111	Cd	100.793007	1.190	330871.767	ug/L	100.980
	121	Sb	50.117173	0.164	487085.311	ug/L	735.031
	135	Ba	99.515346	0.038	259509.417	ug/L	619.689
>	115	In-1			3766487.015	ug/L	3794237.235
	205	Tl	50.238353	1.519	1184723.224	ug/L	8692.067
	208	Pb	100.195328	0.450	3341046.371	ug/L	5151.597
>	169	Tm-1			2263991.317	ug/L	2281591.385
	50	Cr	110.833393	10.622	28268.521	ug/L	-1264.590
	53	Cr	94.585041	3.655	334515.699	ug/L	186267.005
	61	Ni	106.205457	4.146	11220.113	ug/L	5709.225
	63	Cu	101.064989	1.842	266656.147	ug/L	227.008
	67	Zn	98.328579	2.261	15039.778	ug/L	3079.518
	66	Zn	97.633564	1.597	69337.836	ug/L	3195.656
	76	Se	74.097976	23.427	-622639.221	ug/L	-634285.559
	77	Se	95.158085	2.976	56200.075	ug/L	27601.788
	78	Se	99.895109	2.346	128450.691	ug/L	36713.740

	79 Br	-8189.498958	146.598	97275.454	ug/L	99274.548
>	72 Ge			4045514.331	ug/L	4077265.455
	108 Cd	98.245050	0.582	23405.659	ug/L	15.694
	114 Cd	99.403559	1.028	741437.547	ug/L	252.964
	109 Ag	49.527927	0.383	257737.779	ug/L	245.343
>	115 In			3766487.015	ug/L	3794237.235
	208 207.977	99.902193	0.415	1783583.636	ug/L	2730.094
	207 Pb	99.865688	0.472	670479.676	ug/L	1106.070
	206 Pb	101.043521	1.426	886983.058	ug/L	1315.433
>	169 Tm			2263991.317	ug/L	2281591.385
	106 Pd	98.616183	1.450	30916.865	ug/L	20.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	98.962
	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	99.221
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.269
	Tl	205	
	Pb	208	
>	Tm-1	169	99.229
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.221
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.269
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.229
	Pd	106	

Sample ID: CCB 13
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 21:44:22
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 13.103
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			3786119.213	ug/L	3869300.255
>	6	Li-1			987834.622	ug/L	974365.447
	9	Be	0.004247	289.477	11.000	ug/L	9.667
	27	Al	-0.003927	9397.178	59137.537	ug/L	59591.575
	44	Ca	-5.954980	68.260	75224.337	ug/L	78335.432
	51	V	0.185510	356.015	-29764.726	ug/L	-33113.028
	52	Cr	-0.127400	66.089	52834.431	ug/L	54946.997
	55	Mn	0.007930	181.141	5611.134	ug/L	5464.706
	54	Fe	0.843123	541.541	165554.035	ug/L	165692.366
	57	Fe	-0.169893	508.086	34833.651	ug/L	35158.686
	59	Co	0.004456	31.641	631.356	ug/L	554.351
	60	Ni	-0.005300	101.908	283.237	ug/L	304.153
	65	Cu	0.009923	107.736	482.190	ug/L	449.149
	68	Zn	-0.432700	78.152	7086.877	ug/L	7783.825
	75	As	0.067450	79.543	33884.521	ug/L	33857.936
	82	Se	-0.024786	519.620	1135.501	ug/L	1152.778
	97	Mo	0.024678	773.014	2681.761	ug/L	2614.072
>	72	Ge-1			4049416.032	ug/L	4077265.455
	107	Ag	0.013761	2.708	892.045	ug/L	673.693
	111	Cd	0.007912	72.076	127.790	ug/L	100.980
	121	Sb	0.053393	12.162	1262.091	ug/L	735.031
	135	Ba	0.008836	88.280	645.357	ug/L	619.689
>	115	In-1			3808346.103	ug/L	3794237.235
	205	Tl	0.007824	781.469	8880.927	ug/L	8692.067
	208	Pb	0.000992	940.975	5179.932	ug/L	5151.597
>	169	Tm-1			2280300.517	ug/L	2281591.385
	50	Cr	-0.061851	102.770	-1272.654	ug/L	-1264.590
	53	Cr	-2.120102	157.816	181699.986	ug/L	186267.005
	61	Ni	-9.132384	32.577	5191.980	ug/L	5709.225
	63	Cu	0.004535	184.244	237.676	ug/L	227.008
	67	Zn	-0.111208	456.274	3044.817	ug/L	3079.518
	66	Zn	-0.157789	349.919	3064.515	ug/L	3195.656
	76	Se	-38.846470	188.500	-633508.861	ug/L	-634285.559
	77	Se	-3.026700	38.720	26496.062	ug/L	27601.788
	78	Se	-0.058246	1437.031	36400.308	ug/L	36713.740

	79	Br	333.415928	2254.758	98641.090	ug/L	99274.548
>	72	Ge			4049416.032	ug/L	4077265.455
	108	Cd	0.000224	15748.251	15.719	ug/L	15.694
	114	Cd	0.006330	44.400	301.649	ug/L	252.964
	109	Ag	0.006837	53.887	282.013	ug/L	245.343
>	115	In			3808346.103	ug/L	3794237.235
	208	207.977	-0.000412	2349.085	2720.090	ug/L	2730.094
	207	Pb	0.000271	4586.181	1106.737	ug/L	1106.070
	206	Pb	0.004397	216.569	1353.105	ug/L	1315.433
>	169	Tm			2280300.517	ug/L	2281591.385
	106	Pd	-0.003192	450.925	19.667	ug/L	20.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	101.382
	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	99.317
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.372
	Tl	205	
	Pb	208	
>	Tm-1	169	99.943
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.317
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.372
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.943
	Pd	106	

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

Sample ID: CCV 14
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 21:48:43
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 14.104
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			3720797.076	ug/L	3869300.255
6	Li-1			982824.615	ug/L	974365.447
9	Be	98.908852	2.805	28019.127	ug/L	9.667
27	Al	5096.165122	2.405	28146847.759	ug/L	59591.575
44	Ca	4962.032526	2.663	2210860.198	ug/L	78335.432
51	V	100.116463	2.232	1718446.153	ug/L	-33113.028
52	Cr	100.092633	8.557	1418690.839	ug/L	54946.997
55	Mn	98.769224	1.048	2349683.414	ug/L	5464.706
54	Fe	5067.557556	1.959	6100499.716	ug/L	165692.366
57	Fe	4978.644943	1.964	2462057.658	ug/L	35158.686
59	Co	98.205397	0.950	1778931.354	ug/L	554.351
60	Ni	97.507282	3.263	344415.151	ug/L	304.153
65	Cu	100.201991	1.597	366172.434	ug/L	449.149
68	Zn	97.824842	3.353	152783.781	ug/L	7783.825
75	As	98.443989	1.112	407005.981	ug/L	33857.936
82	Se	99.556853	0.962	37831.626	ug/L	1152.778
97	Mo	200.939907	1.403	655262.782	ug/L	2614.072
72	Ge-1			4053589.652	ug/L	4077265.455
107	Ag	49.711310	2.210	766641.846	ug/L	673.693
111	Cd	101.914019	1.806	332399.445	ug/L	100.980
121	Sb	50.633135	0.731	488947.104	ug/L	735.031
135	Ba	101.847584	0.638	263881.373	ug/L	619.689
115	In-1			3742572.363	ug/L	3794237.235
205	Tl	49.723482	0.984	1175787.741	ug/L	8692.067
208	Pb	100.112168	1.104	3347080.532	ug/L	5151.597
169	Tm-1			2269980.946	ug/L	2281591.385
50	Cr	106.417333	6.527	27163.486	ug/L	-1264.590
53	Cr	96.129242	2.745	337685.284	ug/L	186267.005
61	Ni	101.165179	8.858	10981.295	ug/L	5709.225
63	Cu	102.371469	0.487	270650.590	ug/L	227.008
67	Zn	96.362262	2.525	14830.790	ug/L	3079.518
66	Zn	97.191541	1.549	69176.676	ug/L	3195.656
76	Se	149.493729	40.900	-617077.316	ug/L	-634285.559
77	Se	96.603745	1.217	56753.903	ug/L	27601.788
78	Se	100.705071	2.585	129452.560	ug/L	36713.740

	79 Br	-7414.329769	196.133	97589.295	ug/L	99274.548
>	72 Ge			4053589.652	ug/L	4077265.455
	108 Cd	100.161309	1.789	23707.782	ug/L	15.694
	114 Cd	101.270264	1.391	750526.734	ug/L	252.964
	109 Ag	50.712515	0.842	262207.258	ug/L	245.343
>	115 In			3742572.363	ug/L	3794237.235
	208 207.977	100.489140	0.656	1798781.430	ug/L	2730.094
	207 Pb	101.020502	1.501	679983.967	ug/L	1106.070
	206 Pb	98.650982	1.751	868315.135	ug/L	1315.433
>	169 Tm			2269980.946	ug/L	2281591.385
	106 Pd	99.885738	1.803	31314.613	ug/L	20.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	100.868
	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	99.419
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.638
	Tl	205	
	Pb	208	
>	Tm-1	169	99.491
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.419
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.638
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.491
	Pd	106	

Sample ID: CCB 14
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 21:53:03
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 14.105
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			3813519.965	ug/L	3869300.255
>	6	Li-1			979212.248	ug/L	974365.447
	9	Be	0.005750	38.726	11.333	ug/L	9.667
	27	Al	-0.066115	473.160	58657.676	ug/L	59591.575
	44	Ca	-7.909475	41.080	74201.645	ug/L	78335.432
	51	V	-0.094755	702.957	-34526.130	ug/L	-33113.028
	52	Cr	0.052267	246.969	55128.510	ug/L	54946.997
	55	Mn	0.011468	72.918	5685.515	ug/L	5464.706
	54	Fe	-0.169177	1984.900	163919.329	ug/L	165692.366
	57	Fe	-0.706401	334.105	34478.292	ug/L	35158.686
	59	Co	0.007402	42.814	682.360	ug/L	554.351
	60	Ni	-0.004143	228.147	286.912	ug/L	304.153
	65	Cu	0.008891	89.838	477.084	ug/L	449.149
	68	Zn	-0.380420	69.224	7146.588	ug/L	7783.825
	75	As	0.184324	193.629	34240.057	ug/L	33857.936
	82	Se	0.101708	222.508	1178.804	ug/L	1152.778
	97	Mo	0.118883	208.432	2969.526	ug/L	2614.072
>	72	Ge-1			4038918.748	ug/L	4077265.455
	107	Ag	0.012410	22.198	864.043	ug/L	673.693
	111	Cd	0.006962	37.632	123.526	ug/L	100.980
	121	Sb	0.040361	10.523	1125.072	ug/L	735.031
	135	Ba	0.020985	43.492	672.026	ug/L	619.689
>	115	In-1			3779287.793	ug/L	3794237.235
	205	Tl	0.053567	123.502	9967.091	ug/L	8692.067
	208	Pb	-0.001966	363.663	5094.910	ug/L	5151.597
>	169	Tm-1			2286157.371	ug/L	2281591.385
	50	Cr	0.074259	232.249	-1232.652	ug/L	-1264.590
	53	Cr	-1.259527	254.619	182492.836	ug/L	186267.005
	61	Ni	-4.216460	146.715	5434.398	ug/L	5709.225
	63	Cu	0.005787	97.442	240.009	ug/L	227.008
	67	Zn	0.071005	2039.132	3058.165	ug/L	3079.518
	66	Zn	-0.144503	151.772	3067.507	ug/L	3195.656
	76	Se	81.186275	39.481	-621006.784	ug/L	-634285.559
	77	Se	-1.537412	172.629	26873.199	ug/L	27601.788
	78	Se	0.151962	174.524	36506.943	ug/L	36713.740

79	Br	-11599.763699	87.258	96600.511	ug/L	99274.548
72	Ge			4038918.748	ug/L	4077265.455
108	Cd	-0.003457	522.149	14.792	ug/L	15.694
114	Cd	0.008448	52.457	315.096	ug/L	252.964
109	Ag	0.014955	15.607	322.350	ug/L	245.343
115	In			3779287.793	ug/L	3794237.235
208	207.977	-0.003785	122.562	2667.407	ug/L	2730.094
207	Pb	0.002042	432.577	1121.739	ug/L	1106.070
206	Pb	-0.001332	955.872	1305.765	ug/L	1315.433
169	Tm			2286157.371	ug/L	2281591.385
106	Pd	0.011704	197.296	24.333	ug/L	20.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	100.497
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	99.059
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	99.606
Tl	205	
Pb	208	
Tm-1	169	100.200
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	99.059
Cd	108	
Cd	114	
Ag	109	
In	115	99.606
207.977	208	
Pb	207	
Pb	206	
Tm	169	100.200
Pd	106	

Sample ID: H4XGQ
Sample Description: G6E080132-5
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 21:57:23
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H4XGQ.106
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 70
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3573644.307	ug/L	3869300.255
>	6	Li-1			1004795.546	ug/L	974365.447
	9	Be	-0.016022	24.212	5.333	ug/L	9.667
	27	Al	192.535000	2.215	1106553.402	ug/L	59591.575
	44	Ca	563.305805	2.129	316177.563	ug/L	78335.432
	51	V	1.899682	1.933	299.386	ug/L	-33113.028
	52	Cr	0.318599	28.600	58254.719	ug/L	54946.997
	55	Mn	6.982170	1.369	169086.255	ug/L	5464.706
	54	Fe	239.875030	1.311	440310.639	ug/L	165692.366
	57	Fe	208.991506	0.830	135168.549	ug/L	35158.686
	59	Co	0.359952	1.800	6984.121	ug/L	554.351
	60	Ni	0.737219	2.930	2867.840	ug/L	304.153
	65	Cu	18.008179	0.961	65362.013	ug/L	449.149
	68	Zn	5.233955	2.325	15311.721	ug/L	7783.825
	75	As	0.482400	52.849	35052.564	ug/L	33857.936
	82	Se	1.902737	10.160	1825.109	ug/L	1152.778
	97	Mo	-0.285054	7.249	1652.823	ug/L	2614.072
>	72	Ge-1			4004138.588	ug/L	4077265.455
	107	Ag	-0.020163	5.485	368.008	ug/L	673.693
	111	Cd	0.021428	39.603	175.925	ug/L	100.980
	121	Sb	0.067320	5.317	1430.450	ug/L	735.031
	135	Ba	4.390780	2.814	12447.180	ug/L	619.689
>	115	In-1			3896539.257	ug/L	3794237.235
	205	Tl	-0.242536	5.086	3103.888	ug/L	8692.067
	208	Pb	1.499695	0.836	57927.431	ug/L	5151.597
>	169	Tm-1			2382611.055	ug/L	2281591.385
	50	Cr	6.147310	4.786	378.725	ug/L	-1264.590
	53	Cr	-62.067397	4.323	85686.255	ug/L	186267.005
	61	Ni	-4.203348	154.520	5387.315	ug/L	5709.225
	63	Cu	18.091025	3.150	47421.587	ug/L	227.008
	67	Zn	-5.218777	8.007	2394.918	ug/L	3079.518
	66	Zn	5.547884	4.093	6859.857	ug/L	3195.656
	76	Se	4.053468	1682.542	-622558.379	ug/L	-634285.559
	77	Se	-48.024944	2.073	12713.799	ug/L	27601.788
	78	Se	1.273140	44.982	37213.266	ug/L	36713.740

79 Br	-285852.335023	7.251	55195.522	ug/L	99274.548
72 Ge			4004138.588	ug/L	4077265.455
108 Cd	0.188196	48.136	62.787	ug/L	15.694
114 Cd	0.014018	10.505	367.982	ug/L	252.964
109 Ag	-0.025201	18.419	116.669	ug/L	245.343
115 In			3896539.257	ug/L	3794237.235
208 207.977	1.477080	1.035	30562.630	ug/L	2730.094
207 Pb	1.653060	2.198	12814.378	ug/L	1106.070
206 Pb	1.428416	0.452	14550.422	ug/L	1315.433
169 Tm			2382611.055	ug/L	2281591.385
106 Pd	0.567093	5.966	198.336	ug/L	20.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	103.123
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	98.206
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	102.696
Tl	205	
Pb	208	
Tm-1	169	104.428
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	98.206
Cd	108	
Cd	114	
Ag	109	
In	115	102.696
207.977	208	
Pb	207	
Pb	206	
Tm	169	104.428
Pd	106	

Sample ID: H4XGR
Sample Description: G6E080132-6
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 22:01:42
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H4XGR.107
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 71
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3588524.983	ug/L	3869300.255
>	6	Li-1			1000740.890	ug/L	974365.447
	9	Be	-0.017031	70.957	5.000	ug/L	9.667
	27	Al	190.964733	8.036	1072115.977	ug/L	59591.575
	44	Ca	548.004036	1.291	302413.829	ug/L	78335.432
	51	V	1.897401	7.216	265.575	ug/L	-33113.028
	52	Cr	0.536341	11.320	59748.675	ug/L	54946.997
	55	Mn	6.635803	1.245	157181.948	ug/L	5464.706
	54	Fe	304.356207	2.977	502903.402	ug/L	165692.366
	57	Fe	291.225836	3.333	170689.247	ug/L	35158.686
	59	Co	0.428772	1.828	8022.009	ug/L	554.351
	60	Ni	0.681971	3.189	2612.985	ug/L	304.153
	65	Cu	24.196685	4.493	85610.783	ug/L	449.149
	68	Zn	4.361737	10.676	13707.081	ug/L	7783.825
	75	As	1.533558	3.550	38083.438	ug/L	33857.936
	82	Se	0.853413	12.797	1409.136	ug/L	1152.778
	97	Mo	-0.401356	1.358	1249.423	ug/L	2614.072
>	72	Ge-1			3910466.133	ug/L	4077265.455
	107	Ag	-0.018886	6.871	387.342	ug/L	673.693
	111	Cd	0.015045	39.272	153.976	ug/L	100.980
	121	Sb	0.046471	13.442	1215.418	ug/L	735.031
	135	Ba	4.045142	1.745	11471.181	ug/L	619.689
>	115	In-1			3879510.824	ug/L	3794237.235
	205	Tl	-0.290699	1.663	1862.865	ug/L	8692.067
	208	Pb	1.291989	2.626	49291.867	ug/L	5151.597
>	169	Tm-1			2319255.235	ug/L	2281591.385
	50	Cr	5.275899	6.098	145.562	ug/L	-1264.590
	53	Cr	-59.395364	5.346	87778.139	ug/L	186267.005
	61	Ni	-2.389328	66.643	5354.918	ug/L	5709.225
	63	Cu	24.937703	1.967	63762.035	ug/L	227.008
	67	Zn	-5.659623	18.973	2287.172	ug/L	3079.518
	66	Zn	4.732476	9.954	6166.424	ug/L	3195.656
	76	Se	25.729351	488.449	-606127.437	ug/L	-634285.559
	77	Se	-46.515099	2.603	12858.615	ug/L	27601.788
	78	Se	1.104987	56.096	36194.220	ug/L	36713.740

	79 Br	-294877.208870	4.724	52604.259	ug/L	99274.548
>	72 Ge			3910466.133	ug/L	4077265.455
	108 Cd	0.128753	66.878	47.776	ug/L	15.694
	114 Cd	0.007015	49.124	312.531	ug/L	252.964
	109 Ag	-0.024896	10.343	117.669	ug/L	245.343
>	115 In			3879510.824	ug/L	3794237.235
	208 207.977	1.273472	3.707	26023.655	ug/L	2730.094
	207 Pb	1.404300	2.144	10764.952	ug/L	1106.070
	206 Pb	1.243767	2.206	12503.260	ug/L	1315.433
>	169 Tm			2319255.235	ug/L	2281591.385
	106 Pd	0.586245	5.175	204.336	ug/L	20.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	102.707
	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	95.909
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.247
	Tl	205	
	Pb	208	
>	Tm-1	169	101.651
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	95.909
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.247
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	101.651
	Pd	106	

Sample ID: H4XGW
Sample Description: G6E080132-7
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 22:06:00
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H4XGW.108
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 72
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3702556.079	ug/L	3869300.255
>	6	Li-1			1011254.089	ug/L	974365.447
	9	Be	-0.001210	737.201	9.667	ug/L	9.667
	27	Al	198.418949	7.063	1145715.216	ug/L	59591.575
	44	Ca	576.959008	2.124	323793.275	ug/L	78335.432
	51	V	1.906708	14.433	353.150	ug/L	-33113.028
	52	Cr	0.627883	8.833	62785.599	ug/L	54946.997
	55	Mn	6.614518	0.201	161411.486	ug/L	5464.706
	54	Fe	234.727922	2.072	437027.393	ug/L	165692.366
	57	Fe	211.568436	2.537	137191.123	ug/L	35158.686
	59	Co	0.329780	5.007	6477.397	ug/L	554.351
	60	Ni	0.716753	1.787	2813.056	ug/L	304.153
	65	Cu	21.933485	1.459	79971.246	ug/L	449.149
	68	Zn	4.164430	7.501	13826.929	ug/L	7783.825
	75	As	0.429786	81.797	35046.725	ug/L	33857.936
	82	Se	0.178664	94.072	1203.386	ug/L	1152.778
	97	Mo	-0.442943	1.530	1152.743	ug/L	2614.072
>	72	Ge-1			4028042.043	ug/L	4077265.455
	107	Ag	-0.021818	12.571	344.674	ug/L	673.693
	111	Cd	0.024401	33.232	188.329	ug/L	100.980
	121	Sb	0.033790	9.133	1103.736	ug/L	735.031
	135	Ba	4.169281	1.018	11963.506	ug/L	619.689
>	115	In-1			3931663.774	ug/L	3794237.235
	205	Tl	-0.308994	0.374	1461.789	ug/L	8692.067
	208	Pb	1.375347	0.761	53482.982	ug/L	5151.597
>	169	Tm-1			2378694.191	ug/L	2281591.385
	50	Cr	5.241845	8.455	139.691	ug/L	-1264.590
	53	Cr	-58.555384	5.061	91803.238	ug/L	186267.005
	61	Ni	-0.322097	2150.639	5617.382	ug/L	5709.225
	63	Cu	22.432593	3.728	59072.189	ug/L	227.008
	67	Zn	-6.058209	11.541	2308.521	ug/L	3079.518
	66	Zn	4.275247	18.008	6042.535	ug/L	3195.656
	76	Se	117.643470	65.445	-616135.307	ug/L	-634285.559
	77	Se	-47.338599	2.463	13001.770	ug/L	27601.788
	78	Se	-0.041545	3037.659	36212.553	ug/L	36713.740

	79 Br	-305402.704323	1.612	52622.302	ug/L	99274.548
>	72 Ge			4028042.043	ug/L	4077265.455
	108 Cd	0.134130	44.104	49.481	ug/L	15.694
	114 Cd	0.011369	9.601	350.627	ug/L	252.964
	109 Ag	-0.026204	7.476	112.002	ug/L	245.343
>	115 In			3931663.774	ug/L	3794237.235
	208 207.977	1.351893	1.499	28166.601	ug/L	2730.094
	207 Pb	1.514647	0.887	11819.645	ug/L	1106.070
	206 Pb	1.316528	1.547	13496.736	ug/L	1315.433
>	169 Tm			2378694.191	ug/L	2281591.385
	106 Pd	0.670299	8.197	230.670	ug/L	20.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.786
	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	98.793
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	103.622
	Tl	205	
	Pb	208	
>	Tm-1	169	104.256
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	98.793
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	103.622
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.256
	Pd	106	

Sample ID: H4XGX
Sample Description: G6E080132-8
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 22:10:19
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H4XGX.109
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 73
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3701854.703	ug/L	3869300.255
>	6	Li-1			998566.508	ug/L	974365.447
	9	Be	0.001495	752.122	10.333	ug/L	9.667
	27	Al	598.150427	1.758	3293104.591	ug/L	59591.575
	44	Ca	1227.552844	0.700	594346.533	ug/L	78335.432
	51	V	2.804304	13.778	15919.625	ug/L	-33113.028
	52	Cr	1.060838	15.553	67785.742	ug/L	54946.997
	55	Mn	18.036983	3.140	425324.334	ug/L	5464.706
	54	Fe	709.666111	2.984	977246.948	ug/L	165692.366
	57	Fe	661.194559	2.989	350535.688	ug/L	35158.686
	59	Co	0.693349	2.720	12859.777	ug/L	554.351
	60	Ni	1.087515	3.991	4060.635	ug/L	304.153
	65	Cu	135.210145	3.234	484556.956	ug/L	449.149
	68	Zn	7.216247	5.548	18100.392	ug/L	7783.825
	75	As	1.030787	25.075	36862.418	ug/L	33857.936
	82	Se	0.378708	21.541	1261.360	ug/L	1152.778
	97	Mo	-0.283875	3.472	1645.488	ug/L	2614.072
>	72	Ge-1			3978293.768	ug/L	4077265.455
	107	Ag	0.023329	27.863	1086.401	ug/L	673.693
	111	Cd	0.053938	12.572	292.292	ug/L	100.980
	121	Sb	0.101250	4.653	1804.519	ug/L	735.031
	135	Ba	10.510246	0.375	29466.867	ug/L	619.689
>	115	In-1			3969771.943	ug/L	3794237.235
	205	Tl	-0.308828	0.137	1457.788	ug/L	8692.067
	208	Pb	2.165505	1.407	80670.762	ug/L	5151.597
>	169	Tm-1			2365571.592	ug/L	2281591.385
	50	Cr	10.527014	4.271	1523.840	ug/L	-1264.590
	53	Cr	-57.795283	6.585	91747.663	ug/L	186267.005
	61	Ni	-3.825587	125.488	5370.613	ug/L	5709.225
	63	Cu	137.402125	1.537	356405.014	ug/L	227.008
	67	Zn	-2.698819	32.321	2681.819	ug/L	3079.518
	66	Zn	7.185636	4.952	7910.349	ug/L	3195.656
	76	Se	141.171714	80.782	-606419.208	ug/L	-634285.559
	77	Se	-46.720403	4.087	13018.785	ug/L	27601.788
	78	Se	0.927315	99.393	36653.162	ug/L	36713.740

79 Br	-285421.791662	5.354	54889.032	ug/L	99274.548
72 Ge			3978293.768	ug/L	4077265.455
108 Cd	0.044803	265.918	27.568	ug/L	15.694
114 Cd	0.034012	9.150	531.992	ug/L	252.964
109 Ag	0.020123	27.282	367.022	ug/L	245.343
115 In			3969771.943	ug/L	3794237.235
208 207.977	2.156970	1.601	43004.432	ug/L	2730.094
207 Pb	2.351789	1.667	17615.715	ug/L	1106.070
206 Pb	2.040422	1.701	20050.615	ug/L	1315.433
169 Tm			2365571.592	ug/L	2281591.385
106 Pd	1.086318	2.351	361.007	ug/L	20.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	102.484
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	97.573
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	104.626
Tl	205	
Pb	208	
Tm-1	169	103.681
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	97.573
Cd	108	
Cd	114	
Ag	109	
In	115	104.626
207.977	208	
Pb	207	
Pb	206	
Tm	169	103.681
Pd	106	

Sample ID: H4XG0
Sample Description: G6E080132-9
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 22:14:39
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H4XG0.110
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 74
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3710354.956	ug/L	3869300.255
>	6	Li-1			999061.032	ug/L	974365.447
	9	Be	-0.013674	89.291	6.000	ug/L	9.667
	27	Al	405.288833	4.629	2231801.074	ug/L	59591.575
	44	Ca	949.108728	1.553	472952.094	ug/L	78335.432
	51	V	2.076940	10.385	3293.648	ug/L	-33113.028
	52	Cr	0.673158	7.160	62099.627	ug/L	54946.997
	55	Mn	14.142151	2.069	331983.143	ug/L	5464.706
	54	Fe	420.086742	3.627	639318.780	ug/L	165692.366
	57	Fe	401.219873	3.323	224454.607	ug/L	35158.686
	59	Co	0.422140	1.479	7977.970	ug/L	554.351
	60	Ni	0.887736	1.303	3343.310	ug/L	304.153
	65	Cu	95.603197	1.696	340039.796	ug/L	449.149
	68	Zn	5.785442	8.209	15883.087	ug/L	7783.825
	75	As	0.725403	23.632	35441.532	ug/L	33857.936
	82	Se	0.491851	22.649	1291.736	ug/L	1152.778
	97	Mo	-0.436195	1.524	1150.409	ug/L	2614.072
>	72	Ge-1			3945606.742	ug/L	4077265.455
	107	Ag	0.007320	27.120	812.038	ug/L	673.693
	111	Cd	0.039305	14.009	237.811	ug/L	100.980
	121	Sb	0.051172	6.640	1273.426	ug/L	735.031
	135	Ba	8.037749	2.880	22345.833	ug/L	619.689
>	115	In-1			3911304.536	ug/L	3794237.235
	205	Tl	-0.318721	0.516	1214.084	ug/L	8692.067
	208	Pb	1.654703	0.774	62813.083	ug/L	5151.597
>	169	Tm-1			2362156.323	ug/L	2281591.385
	50	Cr	8.986783	5.921	1111.050	ug/L	-1264.590
	53	Cr	-56.483506	6.820	93062.810	ug/L	186267.005
	61	Ni	-0.886868	814.838	5480.485	ug/L	5709.225
	63	Cu	97.051602	1.275	249739.485	ug/L	227.008
	67	Zn	-4.423333	21.648	2454.298	ug/L	3079.518
	66	Zn	5.876367	10.177	6977.466	ug/L	3195.656
	76	Se	181.242262	10.278	-597813.898	ug/L	-634285.559
	77	Se	-45.209742	3.966	13360.479	ug/L	27601.788
	78	Se	1.508405	39.498	36880.859	ug/L	36713.740

	79 Br	-303606.583690	4.123	51799.877	ug/L	99274.548
>	72 Ge			3945606.742	ug/L	4077265.455
	108 Cd	0.014127	397.184	19.710	ug/L	15.694
	114 Cd	0.021594	16.511	428.311	ug/L	252.964
	109 Ag	-0.003136	158.487	235.676	ug/L	245.343
>	115 In			3911304.536	ug/L	3794237.235
	208 207.977	1.634624	1.686	33226.972	ug/L	2730.094
	207 Pb	1.804899	0.466	13767.156	ug/L	1106.070
	206 Pb	1.580687	0.599	15818.955	ug/L	1315.433
>	169 Tm			2362156.323	ug/L	2281591.385
	106 Pd	0.775633	8.868	263.671	ug/L	20.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	102.535
	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	96.771
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	103.085
	Tl	205	
	Pb	208	
>	Tm-1	169	103.531
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	96.771
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	103.085
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	103.531
	Pd	106	

Sample ID: H4XG7
Sample Description: G6E080132-10
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 22:18:59
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H4XG7.111
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 75
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3699310.909	ug/L	3869300.255
>	6	Li-1			986466.432	ug/L	974365.447
	9	Be	-0.001695	609.844	9.333	ug/L	9.667
	27	Al	473.600469	2.861	2625720.564	ug/L	59591.575
	44	Ca	1090.590015	2.735	537748.014	ug/L	78335.432
	51	V	2.686195	16.595	13823.956	ug/L	-33113.028
	52	Cr	0.723063	31.367	63390.234	ug/L	54946.997
	55	Mn	15.393944	6.477	364493.057	ug/L	5464.706
	54	Fe	709.861078	5.733	980671.189	ug/L	165692.366
	57	Fe	653.789402	4.126	347840.441	ug/L	35158.686
	59	Co	0.428530	2.079	8177.488	ug/L	554.351
	60	Ni	0.961400	3.040	3635.865	ug/L	304.153
	65	Cu	123.186143	3.167	442601.025	ug/L	449.149
	68	Zn	7.313412	6.119	18274.399	ug/L	7783.825
	75	As	1.156517	20.072	37419.557	ug/L	33857.936
	82	Se	0.431162	29.742	1283.658	ug/L	1152.778
	97	Mo	-0.374491	1.948	1359.772	ug/L	2614.072
>	72	Ge-1			3988019.565	ug/L	4077265.455
	107	Ag	0.021280	18.663	1032.394	ug/L	673.693
	111	Cd	0.060645	13.007	309.348	ug/L	100.980
	121	Sb	0.082833	2.884	1584.810	ug/L	735.031
	135	Ba	9.384130	1.270	25867.185	ug/L	619.689
>	115	In-1			3892607.208	ug/L	3794237.235
	205	Tl	-0.321666	0.774	1134.074	ug/L	8692.067
	208	Pb	2.278455	1.929	83897.013	ug/L	5151.597
>	169	Tm-1			2345935.640	ug/L	2281591.385
	50	Cr	9.702852	9.012	1314.476	ug/L	-1264.590
	53	Cr	-58.088271	8.209	91440.794	ug/L	186267.005
	61	Ni	-5.012169	61.065	5323.531	ug/L	5709.225
	63	Cu	121.308803	2.465	315445.253	ug/L	227.008
	67	Zn	-2.532918	52.883	2705.505	ug/L	3079.518
	66	Zn	7.208303	4.663	7938.738	ug/L	3195.656
	76	Se	70.724841	63.750	-614072.688	ug/L	-634285.559
	77	Se	-46.707507	6.586	13042.144	ug/L	27601.788
	78	Se	1.310285	81.362	37086.068	ug/L	36713.740

79 Br	-297207.787182	6.349	53259.633	ug/L	99274.548
> 72 Ge			3988019.565	ug/L	4077265.455
108 Cd	0.052250	189.125	28.888	ug/L	15.694
114 Cd	0.030937	8.298	497.937	ug/L	252.964
109 Ag	0.014454	13.955	329.351	ug/L	245.343
> 115 In			3892607.208	ug/L	3794237.235
208 207.977	2.250492	1.513	44374.575	ug/L	2730.094
207 Pb	2.499371	2.105	18494.527	ug/L	1106.070
206 Pb	2.166398	2.832	21027.911	ug/L	1315.433
> 169 Tm			2345935.640	ug/L	2281591.385
106 Pd	0.986303	0.989	329.673	ug/L	20.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	101.242
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	97.811
Ag	107	
Cd	111	
Sb	121	
Ba	135	
> In-1	115	102.593
Tl	205	
Pb	208	
> Tm-1	169	102.820
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
> Ge	72	97.811
Cd	108	
Cd	114	
Ag	109	
> In	115	102.593
207.977	208	
Pb	207	
Pb	206	
> Tm	169	102.820
Pd	106	

Sample ID: H4XG8
Sample Description: G6E080132-11
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 22:23:19
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H4XG8.112
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 76
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3731605.587	ug/L	3869300.255
>	6	Li-1			998465.880	ug/L	974365.447
	9	Be	0.000245	3531.371	10.000	ug/L	9.667
	27	Al	587.665140	2.380	3270941.748	ug/L	59591.575
	44	Ca	1226.555178	0.497	600428.899	ug/L	78335.432
	51	V	2.615576	21.060	12846.452	ug/L	-33113.028
	52	Cr	0.744742	19.319	64288.378	ug/L	54946.997
	55	Mn	18.043949	2.144	430188.108	ug/L	5464.706
	54	Fe	635.033019	4.638	901212.584	ug/L	165692.366
	57	Fe	617.571774	1.876	333313.872	ug/L	35158.686
	59	Co	0.647896	0.340	12188.487	ug/L	554.351
	60	Ni	1.708138	3.416	6276.602	ug/L	304.153
	65	Cu	120.754348	3.499	437483.970	ug/L	449.149
	68	Zn	15.006704	3.989	29750.175	ug/L	7783.825
	75	As	0.935525	15.680	36912.952	ug/L	33857.936
	82	Se	0.451150	14.712	1301.967	ug/L	1152.778
	97	Mo	-0.317618	4.193	1554.471	ug/L	2614.072
>	72	Ge-1			4021756.320	ug/L	4077265.455
	107	Ag	0.026573	8.257	1126.073	ug/L	673.693
	111	Cd	0.074324	5.009	358.347	ug/L	100.980
	121	Sb	0.113528	3.978	1907.208	ug/L	735.031
	135	Ba	12.428526	2.978	34310.811	ug/L	619.689
>	115	In-1			3923709.182	ug/L	3794237.235
	205	Tl	-0.319170	0.638	1189.081	ug/L	8692.067
	208	Pb	2.965648	1.174	107089.245	ug/L	5151.597
>	169	Tm-1			2334620.257	ug/L	2281591.385
	50	Cr	10.230340	19.731	1470.006	ug/L	-1264.590
	53	Cr	-56.465080	2.596	94905.979	ug/L	186267.005
	61	Ni	-4.909838	32.905	5374.952	ug/L	5709.225
	63	Cu	118.054663	3.408	309463.932	ug/L	227.008
	67	Zn	4.067660	17.753	3531.330	ug/L	3079.518
	66	Zn	15.264257	3.617	13431.470	ug/L	3195.656
	76	Se	93.247415	121.023	-617401.306	ug/L	-634285.559
	77	Se	-46.959313	1.332	13092.859	ug/L	27601.788
	78	Se	0.490395	206.512	36651.673	ug/L	36713.740

79 Br	-294240.152585	2.634	54190.956	ug/L	99274.548
72 Ge			4021756.320	ug/L	4077265.455
108 Cd	0.113927	78.672	44.196	ug/L	15.694
114 Cd	0.057016	1.573	704.559	ug/L	252.964
109 Ag	0.021494	22.057	370.022	ug/L	245.343
115 In			3923709.182	ug/L	3794237.235
208 207.977	2.937457	2.503	56787.729	ug/L	2730.094
207 Pb	3.231004	0.416	23464.086	ug/L	1106.070
206 Pb	2.820073	0.387	26837.429	ug/L	1315.433
169 Tm			2334620.257	ug/L	2281591.385
106 Pd	1.093766	2.482	363.341	ug/L	20.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	102.473
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	98.639
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	103.412
Tl	205	
Pb	208	
Tm-1	169	102.324
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	98.639
Cd	108	
Cd	114	
Ag	109	
In	115	103.412
207.977	208	
Pb	207	
Pb	206	
Tm	169	102.324
Pd	106	

Sample ID: H4XG9
Sample Description: G6E080132-12
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 22:27:40
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H4XG9.113
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 77
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3746983.507	ug/L	3869300.255
>	6	Li-1			1020964.953	ug/L	974365.447
	9	Be	-0.006073	119.087	8.333	ug/L	9.667
	27	Al	596.402229	3.960	3357066.025	ug/L	59591.575
	44	Ca	1298.590683	1.681	638365.311	ug/L	78335.432
	51	V	2.423320	10.462	9450.539	ug/L	-33113.028
	52	Cr	0.944648	10.946	67737.030	ug/L	54946.997
	55	Mn	17.017900	2.621	410674.096	ug/L	5464.706
	54	Fe	720.597483	1.977	1012547.301	ug/L	165692.366
	57	Fe	729.984958	2.165	392107.696	ug/L	35158.686
	59	Co	0.498160	2.401	9604.937	ug/L	554.351
	60	Ni	1.703968	2.345	6335.479	ug/L	304.153
	65	Cu	108.716276	1.420	398547.401	ug/L	449.149
	68	Zn	22.448204	3.786	41163.639	ug/L	7783.825
	75	As	1.047614	17.902	37761.682	ug/L	33857.936
	82	Se	2.977063	4.931	2250.469	ug/L	1152.778
	97	Mo	-0.373522	3.378	1390.777	ug/L	2614.072
>	72	Ge-1			4067621.865	ug/L	4077265.455
	107	Ag	0.005816	4.184	787.369	ug/L	673.693
	111	Cd	3.768140	1.894	12931.996	ug/L	100.980
	121	Sb	0.108646	2.932	1850.862	ug/L	735.031
	135	Ba	10.951175	0.667	30194.680	ug/L	619.689
>	115	In-1			3907411.044	ug/L	3794237.235
	205	Tl	-0.299907	0.854	1655.157	ug/L	8692.067
	208	Pb	4.053370	9.697	144620.805	ug/L	5151.597
>	169	Tm-1			2336685.647	ug/L	2281591.385
	50	Cr	10.284632	16.628	1492.142	ug/L	-1264.590
	53	Cr	-57.186211	6.210	94868.485	ug/L	186267.005
	61	Ni	-6.892347	29.787	5332.547	ug/L	5709.225
	63	Cu	106.317266	1.715	281992.093	ug/L	227.008
	67	Zn	10.536627	7.050	4363.713	ug/L	3079.518
	66	Zn	22.494233	1.092	18516.707	ug/L	3195.656
	76	Se	46.491637	283.844	-628596.842	ug/L	-634285.559
	77	Se	-44.473015	3.818	14001.184	ug/L	27601.788
	78	Se	2.392300	27.375	38836.316	ug/L	36713.740

	79 Br	-302588.759721	3.278	53569.024	ug/L	99274.548
>	72 Ge			4067621.865	ug/L	4077265.455
	108 Cd	3.449394	1.762	868.116	ug/L	15.694
	114 Cd	3.710615	1.054	28963.075	ug/L	252.964
	109 Ag	-0.003584	29.456	233.342	ug/L	245.343
>	115 In			3907411.044	ug/L	3794237.235
	208 207.977	3.781479	1.104	72370.095	ug/L	2730.094
	207 Pb	4.117178	3.085	29609.025	ug/L	1106.070
	206 Pb	4.557509	33.046	42641.685	ug/L	1315.433
>	169 Tm			2336685.647	ug/L	2281591.385
	106 Pd	4.814808	2.301	1529.134	ug/L	20.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	104.783
	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	99.763
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.983
	Tl	205	
	Pb	208	
>	Tm-1	169	102.415
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.763
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.983
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	102.415
	Pd	106	

Sample ID: H4XHA
Sample Description: G6E080132-13
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 22:32:01
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H4XHA.114
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 78
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3668005.484	ug/L	3869300.255
>	6	Li-1			994554.958	ug/L	974365.447
	9	Be	0.002685	348.350	10.667	ug/L	9.667
	27	Al	462.810357	4.548	2611224.025	ug/L	59591.575
	44	Ca	998.423372	1.303	507418.372	ug/L	78335.432
	51	V	2.189160	12.820	5377.498	ug/L	-33113.028
	52	Cr	0.586945	24.158	62656.326	ug/L	54946.997
	55	Mn	15.357898	5.027	370189.349	ug/L	5464.706
	54	Fe	600.827733	2.649	869058.723	ug/L	165692.366
	57	Fe	588.511096	2.503	322057.017	ug/L	35158.686
	59	Co	0.371339	1.938	7280.028	ug/L	554.351
	60	Ni	0.977915	1.774	3754.897	ug/L	304.153
	65	Cu	72.015888	2.250	263433.994	ug/L	449.149
	68	Zn	7.083791	2.199	18254.357	ug/L	7783.825
	75	As	1.896980	8.792	40878.393	ug/L	33857.936
	82	Se	1.177341	5.939	1580.855	ug/L	1152.778
	97	Mo	-0.376061	1.323	1378.109	ug/L	2614.072
>	72	Ge-1			4055891.466	ug/L	4077265.455
	107	Ag	-0.002284	137.000	651.691	ug/L	673.693
	111	Cd	0.044934	7.319	254.882	ug/L	100.980
	121	Sb	0.080707	4.722	1556.805	ug/L	735.031
	135	Ba	9.062927	1.075	24895.704	ug/L	619.689
>	115	In-1			3875842.672	ug/L	3794237.235
	205	Tl	-0.329971	0.703	933.717	ug/L	8692.067
	208	Pb	1.825244	0.752	68341.224	ug/L	5151.597
>	169	Tm-1			2348487.872	ug/L	2281591.385
	50	Cr	8.845428	12.199	1105.013	ug/L	-1264.590
	53	Cr	-57.306976	8.679	94333.359	ug/L	186267.005
	61	Ni	-5.543627	93.391	5388.315	ug/L	5709.225
	63	Cu	72.788524	2.245	192603.164	ug/L	227.008
	67	Zn	-3.246940	37.511	2666.473	ug/L	3079.518
	66	Zn	7.283765	6.632	8128.235	ug/L	3195.656
	76	Se	29.679420	98.337	-628269.363	ug/L	-634285.559
	77	Se	-45.634963	4.590	13602.741	ug/L	27601.788
	78	Se	0.462214	62.619	36948.106	ug/L	36713.740

	79	Br	-307250.407000	3.679	52697.918	ug/L	99274.548
>	72	Ge			4055891.466	ug/L	4077265.455
	108	Cd	0.085160	14.976	36.895	ug/L	15.694
	114	Cd	0.024302	10.037	444.838	ug/L	252.964
	109	Ag	-0.012075	18.295	186.006	ug/L	245.343
>	115	In			3875842.672	ug/L	3794237.235
	208	207.977	1.809688	0.503	36274.034	ug/L	2730.094
	207	Pb	1.968175	1.082	14822.879	ug/L	1106.070
	206	Pb	1.747588	1.669	17244.311	ug/L	1315.433
>	169	Tm			2348487.872	ug/L	2281591.385
	106	Pd	0.909696	8.886	305.672	ug/L	20.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	102.072
	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	99.476
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.151
	Tl	205	
	Pb	208	
>	Tm-1	169	102.932
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.476
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.151
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	102.932
	Pd	106	

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

Sample ID: H4XHD
Sample Description: G6E080132-14
Batch ID: 6132516
Sample Date/Time: Monday, May 15, 2006 22:36:22
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\H4XHD.115
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 79
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			3590163.271	ug/L	3869300.255
>	6	Li-1			988182.875	ug/L	974365.447
	9	Be	-0.026146	34.454	2.333	ug/L	9.667
	27	Al	6.333818	6.388	90724.708	ug/L	59591.575
	44	Ca	172.114320	4.661	146335.906	ug/L	78335.432
	51	V	1.230906	26.628	-10930.489	ug/L	-33113.028
	52	Cr	0.193228	47.774	55185.241	ug/L	54946.997
	55	Mn	0.894210	4.545	25680.974	ug/L	5464.706
	54	Fe	75.844562	7.876	244313.573	ug/L	165692.366
	57	Fe	56.582170	1.817	60273.730	ug/L	35158.686
	59	Co	0.163863	2.723	3390.323	ug/L	554.351
	60	Ni	0.447266	0.141	1812.319	ug/L	304.153
	65	Cu	0.983612	1.884	3890.953	ug/L	449.149
	68	Zn	1.730968	13.621	9932.641	ug/L	7783.825
	75	As	0.470996	39.281	34154.811	ug/L	33857.936
	82	Se	-0.071790	118.119	1078.708	ug/L	1152.778
	97	Mo	-0.591564	0.431	652.691	ug/L	2614.072
>	72	Ge-1			3906665.610	ug/L	4077265.455
	107	Ag	-0.034254	2.075	141.001	ug/L	673.693
	111	Cd	-0.020002	5.398	35.514	ug/L	100.980
	121	Sb	-0.038713	15.010	362.674	ug/L	735.031
	135	Ba	0.364000	4.561	1601.480	ug/L	619.689
>	115	In-1			3862355.435	ug/L	3794237.235
	205	Tl	-0.349093	0.313	463.012	ug/L	8692.067
	208	Pb	0.156344	0.762	10557.181	ug/L	5151.597
>	169	Tm-1			2316651.370	ug/L	2281591.385
	50	Cr	3.322470	2.208	-356.972	ug/L	-1264.590
	53	Cr	-56.080488	6.429	92748.263	ug/L	186267.005
	61	Ni	-1.583934	378.411	5387.312	ug/L	5709.225
	63	Cu	1.026745	6.436	2829.615	ug/L	227.008
	67	Zn	-8.304155	17.149	1973.960	ug/L	3079.518
	66	Zn	1.878741	18.605	4292.621	ug/L	3195.656
	76	Se	129.818169	63.262	-596490.714	ug/L	-634285.559
	77	Se	-46.735935	3.259	12781.873	ug/L	27601.788
	78	Se	0.664194	98.526	35761.780	ug/L	36713.740

	79 Br	-341977.601787	4.048	45749.369	ug/L	99274.548
>	72 Ge			3906665.610	ug/L	4077265.455
	108 Cd	0.076236	38.841	34.523	ug/L	15.694
	114 Cd	-0.020893	11.591	97.598	ug/L	252.964
	109 Ag	-0.038341	1.454	45.334	ug/L	245.343
>	115 In			3862355.435	ug/L	3794237.235
	208 207.977	0.157541	4.175	5645.488	ug/L	2730.094
	207 Pb	0.169073	4.316	2282.631	ug/L	1106.070
	206 Pb	0.144178	5.655	2629.062	ug/L	1315.433
>	169 Tm			2316651.370	ug/L	2281591.385
	106 Pd	0.227687	10.109	92.000	ug/L	20.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	101.418
	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	95.816
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.795
	Tl	205	
	Pb	208	
>	Tm-1	169	101.537
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	95.816
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.795
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	101.537
	Pd	106	

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

Sample ID: CCV 15
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 22:40:43
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCV 15.116
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			3664927.806	ug/L	3869300.255
>	6	Li-1			969231.186	ug/L	974365.447
	9	Be	99.440415	1.708	27785.716	ug/L	9.667
	27	Al	5132.684971	2.646	27621741.435	ug/L	59591.575
	44	Ca	4982.121647	1.997	2163019.197	ug/L	78335.432
	51	V	99.664744	1.027	1666558.442	ug/L	-33113.028
	52	Cr	96.002059	1.596	1327531.982	ug/L	54946.997
	55	Mn	99.042016	0.857	2296049.042	ug/L	5464.706
	54	Fe	5010.232944	0.697	5879793.211	ug/L	165692.366
	57	Fe	4946.362199	0.943	2383984.425	ug/L	35158.686
	59	Co	99.883914	1.371	1763218.766	ug/L	554.351
	60	Ni	99.711899	2.015	343119.528	ug/L	304.153
	65	Cu	100.384538	1.369	357437.435	ug/L	449.149
	68	Zn	99.180813	1.320	150866.259	ug/L	7783.825
	75	As	99.360944	1.829	399990.063	ug/L	33857.936
	82	Se	100.738123	2.089	37288.948	ug/L	1152.778
	97	Mo	203.232939	1.492	645795.805	ug/L	2614.072
>	72	Ge-1			3950026.984	ug/L	4077265.455
	107	Ag	49.629713	2.400	753184.158	ug/L	673.693
	111	Cd	101.013231	0.633	324264.181	ug/L	100.980
	121	Sb	50.281705	0.582	477825.445	ug/L	735.031
	135	Ba	99.838334	0.885	254561.893	ug/L	619.689
>	115	In-1			3682969.372	ug/L	3794237.235
	205	Tl	50.065895	0.438	1173402.791	ug/L	8692.067
	208	Pb	99.876511	1.029	3309801.567	ug/L	5151.597
>	169	Tm-1			2250013.057	ug/L	2281591.385
	50	Cr	110.892132	8.727	27628.189	ug/L	-1264.590
	53	Cr	101.954499	4.456	338038.890	ug/L	186267.005
	61	Ni	100.414193	8.410	10658.495	ug/L	5709.225
	63	Cu	101.046183	1.465	260313.183	ug/L	227.008
	67	Zn	98.232240	3.050	14674.727	ug/L	3079.518
	66	Zn	99.520418	0.833	68953.097	ug/L	3195.656
	76	Se	185.412883	54.801	-598118.310	ug/L	-634285.559
	77	Se	102.837379	4.400	57148.742	ug/L	27601.788
	78	Se	101.868468	2.494	127199.841	ug/L	36713.740

79 Br	3389.336539	430.101	96677.596	ug/L	99274.548
> 72 Ge			3950026.984	ug/L	4077265.455
108 Cd	99.650310	1.731	23210.834	ug/L	15.694
114 Cd	100.807968	0.764	735214.586	ug/L	252.964
109 Ag	50.318757	0.901	256057.832	ug/L	245.343
> 115 In			3682969.372	ug/L	3794237.235
208 207.977	99.443015	1.725	1764353.455	ug/L	2730.094
207 Pb	99.937114	0.998	666796.780	ug/L	1106.070
206 Pb	100.711742	0.252	878651.332	ug/L	1315.433
> 169 Tm			2250013.057	ug/L	2281591.385
106 Pd	99.002676	0.427	31037.952	ug/L	20.667

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	99.473
	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	96.879
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	97.067
	Tl	205	
	Pb	208	
>	Tm-1	169	98.616
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	96.879
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	97.067
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.616
	Pd	106	

Sample ID: CCB 15
Sample Description:
Batch ID:
Sample Date/Time: Monday, May 15, 2006 22:45:04
Method File: C:\elandata\Method\6131060.mth
Dataset File: c:\elandata\dataset\060515a1\CCB 15.117
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			3745669.736	ug/L	3869300.255
>	6	Li-1			979620.495	ug/L	974365.447
	9	Be	0.008190	157.319	12.000	ug/L	9.667
	27	Al	0.597109	15.879	61811.328	ug/L	59591.575
	44	Ca	-11.416023	15.463	72112.304	ug/L	78335.432
	51	V	1.128473	70.588	-13193.565	ug/L	-33113.028
	52	Cr	0.065877	51.104	54879.297	ug/L	54946.997
	55	Mn	0.008357	120.679	5562.101	ug/L	5464.706
	54	Fe	-0.284346	584.114	162461.752	ug/L	165692.366
	57	Fe	0.036581	6998.224	34546.875	ug/L	35158.686
	59	Co	0.009150	10.902	708.362	ug/L	554.351
	60	Ni	-0.002766	341.015	289.115	ug/L	304.153
	65	Cu	0.001387	361.100	446.068	ug/L	449.149
	68	Zn	-0.532875	12.655	6866.026	ug/L	7783.825
	75	As	0.192839	17.007	33991.930	ug/L	33857.936
	82	Se	0.127824	98.248	1178.725	ug/L	1152.778
	97	Mo	0.025539	698.153	2659.753	ug/L	2614.072
>	72	Ge-1			4006472.021	ug/L	4077265.455
	107	Ag	0.009448	1.578	797.036	ug/L	673.693
	111	Cd	0.012992	52.414	139.744	ug/L	100.980
	121	Sb	0.013551	64.028	842.041	ug/L	735.031
	135	Ba	0.021963	65.165	657.358	ug/L	619.689
>	115	In-1			3682168.098	ug/L	3794237.235
	205	Tl	0.040240	169.422	9535.619	ug/L	8692.067
	208	Pb	-0.003952	56.495	4965.550	ug/L	5151.597
>	169	Tm-1			2257293.554	ug/L	2281591.385
	50	Cr	-0.225407	15.530	-1301.963	ug/L	-1264.590
	53	Cr	0.477186	329.060	183803.137	ug/L	186267.005
	61	Ni	-11.480423	14.123	5015.691	ug/L	5709.225
	63	Cu	0.005621	115.449	238.009	ug/L	227.008
	67	Zn	-0.122045	519.186	3012.454	ug/L	3079.518
	66	Zn	-0.291685	38.568	2943.720	ug/L	3195.656
	76	Se	89.394932	178.999	-615460.984	ug/L	-634285.559
	77	Se	2.053655	81.819	27730.392	ug/L	27601.788
	78	Se	0.562961	102.715	36581.505	ug/L	36713.740

79	Br	-11052.618407	39.239	95906.948	ug/L	99274.548
72	Ge			4006472.021	ug/L	4077265.455
108	Cd	0.008735	287.216	17.274	ug/L	15.694
114	Cd	0.014229	12.938	349.249	ug/L	252.964
109	Ag	0.011665	33.278	297.348	ug/L	245.343
115	In			3682168.098	ug/L	3794237.235
208	207.977	-0.004741	31.083	2616.725	ug/L	2730.094
207	Pb	-0.002854	286.336	1075.400	ug/L	1106.070
206	Pb	-0.003187	112.845	1273.426	ug/L	1315.433
169	Tm			2257293.554	ug/L	2281591.385
106	Pd	-0.001064	458.257	20.333	ug/L	20.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	100.539
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	98.264
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	97.046
Tl	205	
Pb	208	
Tm-1	169	98.935
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	98.264
Cd	108	
Cd	114	
Ag	109	
In	115	97.046
207.977	208	
Pb	207	
Pb	206	
Tm	169	98.935
Pd	106	

Mercury

G6E080132

STL Sacramento

RUN SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) | Instrument: STL2 (H03) | Reported: 05/17/06 09:57:42

Sequence: 17MAY06X **Date:** 05/17/06 06:43 **Analyst:** merrittn **ICV:** _____ **CAL/CCV:** _____

#	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		05/17/06 06:43		☐
2	Std02Rep1	= 0.200			0.00	1.0	0.00	ug/L		05/17/06 06:45		☐
3	Std03Rep1	= 0.500			0.00	1.0	0.00	ug/L		05/17/06 06:47		☐
4	Std04Rep1	= 1.00			0.00	1.0	0.00	ug/L		05/17/06 06:49		☐
5	Std05Rep1	= 5.00			0.00	1.0	0.00	ug/L		05/17/06 06:51		☐
6	Std06Rep1	= 10.0			0.00	1.0	0.00	ug/L		05/17/06 06:53		☐
7	ICV	= 2.00			1.92	1.0	1.92	ug/L	96.0%	05/17/06 07:02		☐
8	ICB				-0.02	1.0	-0.02	ug/L		05/17/06 07:03		☐
9	H5ET6B	G6E150000	6135464		-0.03	1.0	-0.02	ug/L		05/17/06 07:05		☐
10	H5ET6C	G6E150000 = 1.80	6135464		0.99	1.0	0.59	ug/L	32.9%	05/17/06 07:07		☐
11	H5ET6L	G6E150000 = 1.80	6135464		0.96	1.0	0.58	ug/L	32.1%	05/17/06 07:09		☐
12	H4XGJ	G6E080132-1	6135464	AIR	0.01	1.0	0.00	ug/L		05/17/06 07:11		☐
13	H4XGK	G6E080132-2	6135464	AIR	0.00	1.0	0.00	ug/L		05/17/06 07:13		☐
14	H4XGN	G6E080132-3	6135464	AIR	0.00	1.0	0.00	ug/L		05/17/06 07:14		☐
15	H4XGP	G6E080132-4	6135464	AIR	0.01	1.0	0.01	ug/L		05/17/06 07:16		☐
16	H4XGQ	G6E080132-5	6135464	AIR	0.01	1.0	0.01	ug/L		05/17/06 07:18		☐
17	H4XGR	G6E080132-6	6135464	AIR	0.01	1.0	0.00	ug/L		05/17/06 07:20		☐
18	H4XGW	G6E080132-7	6135464	AIR	0.01	1.0	0.01	ug/L		05/17/06 07:22		☐
19	CCV	= 5.00			4.77	1.0	4.77	ug/L	95.4%	05/17/06 07:24		☐
20	CCB				-0.01	1.0	-0.01	ug/L		05/17/06 07:26		☐
21	H4XGX	G6E080132-8	6135464	AIR	0.04	1.0	0.02	ug/L		05/17/06 07:28		☐
22	H4XG0	G6E080132-9	6135464	AIR	0.03	1.0	0.02	ug/L		05/17/06 07:30		☐
23	H4XG7	G6E080132-10	6135464	AIR	0.06	1.0	0.04	ug/L		05/17/06 07:32		☐
24	H4XG8	G6E080132-11	6135464	AIR	0.03	1.0	0.02	ug/L		05/17/06 07:33		☐
25	H4XG9	G6E080132-12	6135464	AIR	0.03	1.0	0.02	ug/L		05/17/06 07:35		☐
26	H4XHA	G6E080132-13	6135464	AIR	0.02	1.0	0.01	ug/L		05/17/06 07:37		☐
27	H4XHD	G6E080132-14	6135464	AIR	-0.03	1.0	-0.02	ug/L		05/17/06 07:39		☐
28	CCV	= 5.00			4.89	1.0	4.89	ug/L	97.8%	05/17/06 07:41		☐
29	CCB				-0.01	1.0	-0.01	ug/L		05/17/06 07:42		☐

STL Sacramento

CALIBRATION CHECK SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) Instrument: STL2 (H03) Reported: 05/17/06 09:58:03

Sequence: 17MAY06X **Date:** 05/17/06 07:02 **Analyst:** merrittn **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
7	ICV	= 2.00			1.92	1.0	1.92	ug/L	96.0%	05/17/06 07:02		☐
8	ICB				-0.02	1.0	-0.02	ug/L		05/17/06 07:03		☐
19	CCV	= 5.00			4.77	1.0	4.77	ug/L	95.4%	05/17/06 07:24		☐
20	CCB				-0.01	1.0	-0.01	ug/L		05/17/06 07:26		☐
28	CCV	= 5.00			4.89	1.0	4.89	ug/L	97.8%	05/17/06 07:41		☐
29	CCB				-0.01	1.0	-0.01	ug/L		05/17/06 07:42		☐

WinHg Database 1.5

File Utility Help

Protocol STL2 Dataset/Proto 17MAY06X/STL2

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

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 1.97368e-4

C -1.65941e-2

Rho .999978

Type Linear

Calibrated

Accepted

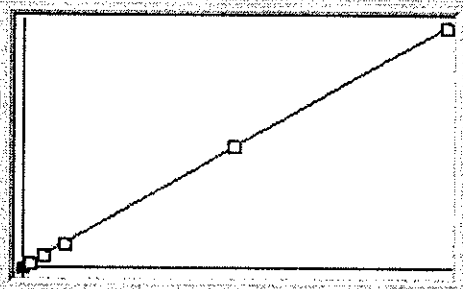
Accept

µ Abs.

50624

Accepted

New



Include S1 Rep 1 2 3 4 5

17-May-06 06:57 Conc. 10.0

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	.013	-.013	18	1	17		
02	.20000	.201	.001	1105	0%	1105		
03	.50000	.489	-.011	2560	0%	2560		
04	1.0000	.997	-.003	5136	0%	5136		
05	5.0000	5.05	.051	25676	0%	25676		
06	10.000	9.97	-.025	50625	0%	50624		

eady CAP NUM

CHEMIST INITIAL: NM
DATE OF RUN: 05/17/06
INSTRUMENT ID.: M-03
TYPE OF ANALYSIS: Hg
CALIBRATION STD.: 1767-19-5
ICV STD.: 1767-19-4
CCV STD.: 1767-19-5

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1	06:43:42 17 May 06	HG		
Hg	.000	ug/L	17					
*** Standard: 2 Rep: 1				Seq: 2	06:45:28 17 May 06	HG		
Hg	.200	ug/L	1105					
*** Standard: 3 Rep: 1				Seq: 3	06:47:46 17 May 06	HG		
Hg	.500	ug/L	2560					
*** Standard: 4 Rep: 1				Seq: 4	06:49:33 17 May 06	HG		
Hg	1.00	ug/L	5136					
*** Standard: 5 Rep: 1				Seq: 5	06:51:14 17 May 06	HG		
Hg	5.00	ug/L	25676					
*** Standard: 6 Rep: 1				Seq: 6	06:53:22 17 May 06	HG		
Hg	10.0	ug/L	50624					

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1		06:43:42 17 May 06		HG
Hg	.000	ug/L	17					
*** Standard: 2 Rep: 1				Seq: 2		06:45:28 17 May 06		HG
Hg	.200	ug/L	1105					
*** Standard: 3 Rep: 1				Seq: 3		06:47:46 17 May 06		HG
Hg	.500	ug/L	2560					
*** Standard: 4 Rep: 1				Seq: 4		06:49:33 17 May 06		HG
Hg	1.00	ug/L	5136					
*** Standard: 5 Rep: 1				Seq: 5		06:51:14 17 May 06		HG
Hg	5.00	ug/L	25676					
*** Standard: 6 Rep: 1				Seq: 6		06:53:22 17 May 06		HG
Hg	10.0	ug/L	50624					
*** Sample ID: ICV				Seq: 7		07:02:19 17 May 06		HG
Hg	1.92	ug/L	.000	1.92		96%		
*** Sample ID: ICB				Seq: 8		07:03:56 17 May 06		HG
Hg	-.016	ug/L	.000	-.016				
*** Sample ID: H5ET6B				Seq: 9		07:05:51 17 May 06		HG
			G6E150000-464					
Hg	-.027	ug/L	.000	-.027				
*** Sample ID: H5ET6C				Seq: 10		07:07:29 17 May 06		HG
			G6E150000-464					
Hg	.987	ug/L	.000	.987		98.7%		
*** Sample ID: H5ET6L				Seq: 11		07:09:15 17 May 06		HG
			G6E150000-464					
Hg	.963	ug/L	.000	.963		96.3%		
*** Sample ID: H4XGJ				Seq: 12		07:11:04 17 May 06		HG
			G6E080132-1					
Hg	.006	ug/L	.000	.006				
*** Sample ID: H4XGK				Seq: 13		07:13:11 17 May 06		HG
			G6E080132-2					
Hg	.005	ug/L	.000	.005				

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

*** Sample ID: H4XGN Seq: 14 07:14:48 17 May 06 HG
G6E080132-3

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

*** Sample ID: H4XGP Seq: 15 07:16:48 17 May 06 HG
G6E080132-4

Hg	.012	ug/L	.000	.012

*** Sample ID: H4XGQ Seq: 16 07:18:29 17 May 06 HG
G6E080132-5

Hg	.014	ug/L	.000	.014

*** Sample ID: H4XGR Seq: 17 07:20:26 17 May 06 HG
G6E080132-6

Hg	.006	ug/L	.000	.006

*** Sample ID: H4XGW Seq: 18 07:22:04 17 May 06 HG
G6E080132-7

Hg	.013	ug/L	.000	.013

*** Sample ID: CCV Seq: 19 07:24:05 17 May 06 HG

Hg	4.77	ug/L	.000	4.77

95.4%

*** Sample ID: CCB Seq: 20 07:26:17 17 May 06 HG

Hg	-.007	ug/L	.000	-.007

*** Sample ID: H4XGX Seq: 21 07:28:18 17 May 06 HG
G6E080132-8

Hg	.041	ug/L	.000	.041

*** Sample ID: H4XG0 Seq: 22 07:30:17 17 May 06 HG
G6E080132-9

Hg	.033	ug/L	.000	.033

*** Sample ID: H4XG7 Seq: 23 07:32:03 17 May 06 HG
G6E080132-10

Hg	.061	ug/L	.000	.061

*** Sample ID: H4XG8 Seq: 24 07:33:43 17 May 06 HG
G6E080132-11

Hg	.027	ug/L	.000	.027

*** Sample ID: H4XG9 Seq: 25 07:35:24 17 May 06 HG
G6E080132-12

Hg	.034	ug/L	.000	.034

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: H4XHA					Seq: 26	07:37:56 17 May 06	HG	
				G6E080132-13				
Hg	.022	ug/L	.000	.022				
*** Sample ID: H4XHD					Seq: 27	07:39:35 17 May 06	HG	
				G6E080132-14				
Hg	-.029	ug/L	.000	-.029				
*** Sample ID: CCV					Seq: 28	07:41:16 17 May 06	HG	
Hg	4.89	ug/L	.000	4.89				
*** Sample ID: CCB					Seq: 29	07:42:56 17 May 06	HG	
Hg	-.013	ug/L	.000	-.013				

97.8 %

SEVERN TRENT STL

STL Sacramento

Hg Data Review Checklist

Run Date: 05/17/06 **Analyst:** Merritt **Instrument** H-03

Prep Batches Run: 6135464

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: 05/17/06

Comments:

2nd Level Reviewer: MJZ Date: 5/18/06

Comments:

Sample Preparation Log

STL SACRAMENTO
Metals - Air Toxics - Preparation Log

Date: 15-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
G6E150000	196	H5DW6B	2A	NA	NA	NA	100	6135196	1.2
G6E150000	196	H5DW6C	2A	NA	NA	NA	100	6135196	1.2
G6E150000	196	H5DW6L	2A	NA	NA	NA	100	6135196	1.2
G6E080132	1	H4XGJ	2A	9	0.75	0.75	100	6135196	1.2
G6E080132	2	H4XGK	2A	9	0.75	0.75	100	6135196	1.2
G6E080132	3	H4XGN	2A	9	0.75	0.75	100	6135196	1.2
G6E080132	4	H4XGP	2A	9	0.75	0.75	100	6135196	1.2
G6E080132	5	H4XGQ	2A	9	0.75	0.75	100	6135196	1.2
G6E080132	6	H4XGR	2A	9	0.75	0.75	100	6135196	1.2
G6E080132	7	H4XGW	2A	9	0.75	0.75	100	6135196	1.2
G6E080132	8	H4XGX	2A	9	0.75	0.75	100	6135196	1.2
G6E080132	9	H4XG0	2A	9	0.75	0.75	100	6135196	1.2
G6E080132	10	H4XG7	2A	9	0.75	0.75	100	6135196	1.2
G6E080132	11	H4XG8	2A	9	0.75	0.75	100	6135196	1.2
G6E080132	12	H4XG9	2A	9	0.75	0.75	100	6135196	1.2
G6E080132	13	H4XHA	2A	9	0.75	0.75	100	6135196	1.2
G6E080132	14	H4XHD	2A	9	0.75	0.75	100	6135196	1.2
MB-control	1	F1815158	2A	9	0.75	0.75	100	6135196	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 # G6E080132

Batch Number: 6135196

EPA Analytical Method ID: 6010

Spiked Date: 05/15/06

MS Run #: N/A

EPA Prep Method ID: 2A

Hot Plate Microwave ID: 4

Analyst Initial/Date: 05/15/06 NN

Witness Initial/Date: ML/5/15/06

Hot Plate Temp Observed: 90 Corected: 90

Correct Folder ID Witness:

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
✓	ICP Part 1 5% HNO_3	Ca, Mg Al, As, Ba, Se, Sn, Tl Fe,Mo,Ti Sb,Co,Pb,Mn,Ni,V,Zn Cu Cr ,Be,Cd Ag	5,000 200 100 50 25 20 5 5.6	1774-Met 6-17	1.0 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 H20/Tr HF	Si	1,000				
	XCAL-45 5% HNO_3	Al,K,Mg,Ca,Na,Fe,P,B,Si As,Be,Cd,Cr,Co,Cu,Pb,Mn,Mo,Ni,Se,U,V,Zn,Ba,Li,Sn,Sr,Ti Sb,Ag,Tl	50 10 2.5				
	~~Misc. Elements~~				05/15	06 NN	

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	05/15/06 NN

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: 15-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
G6E120000	516	H5CJ4B	2A	NA	NA	NA	100	6132516	1.2
G6E120000	516	H5CJ4C	2A	NA	NA	NA	100	6132516	1.2
G6E120000	516	H5CJ4L	2A	NA	NA	NA	100	6132516	1.2
G6E080132	1	H4XGJ	2A	9	0.75	0.75	100	6132516	1.2
G6E080132	2	H4XGK	2A	9	0.75	0.75	100	6132516	1.2
G6E080132	3	H4XGN	2A	9	0.75	0.75	100	6132516	1.2
G6E080132	4	H4XGP	2A	9	0.75	0.75	100	6132516	1.2
G6E080132	5	H4XGQ	2A	9	0.75	0.75	100	6132516	1.2
G6E080132	6	H4XGR	2A	9	0.75	0.75	100	6132516	1.2
G6E080132	7	H4XGW	2A	9	0.75	0.75	100	6132516	1.2
G6E080132	8	H4XGX	2A	9	0.75	0.75	100	6132516	1.2
G6E080132	9	H4XG0	2A	9	0.75	0.75	100	6132516	1.2
G6E080132	10	H4XG7	2A	9	0.75	0.75	100	6132516	1.2
G6E080132	11	H4XG8	2A	9	0.75	0.75	100	6132516	1.2
G6E080132	12	H4XG9	2A	9	0.75	0.75	100	6132516	1.2
G6E080132	13	H4XHA	2A	9	0.75	0.75	100	6132516	1.2
G6E080132	14	H4XHD	2A	9	0.75	0.75	100	6132516	1.2
MB-control	1	F1815158	2A	9	0.75	0.75	100	6132516	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 # G6E080132

Batch Number: 6132516

EPA Analytical Method ID: 6020

Spiked Date: 05/15/0

MS Run #: N/A

EPA Prep Method ID: 2-A

Hot Plate Microwave ID: 4

Analyst Initial/Date: 05/15/06 NM

Witness Initial/Date: ML/5/15/06

Hot Plate Temp Observed: 90 Corected: 90

Correct Folder ID Witness:

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
	ICP Part 1 5% HNO_3	Ca, Mg	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 ~~H2O/Tl HF~~	Si	1,000		05/15/06 NR		
✓	XCAL-45 5% HNO_3	Al,K,Mg,Ca,Na,Fe,P,B,Si	50	1774-Hel 7-8	2.0mL	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					05/15/06 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	05/15/06 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

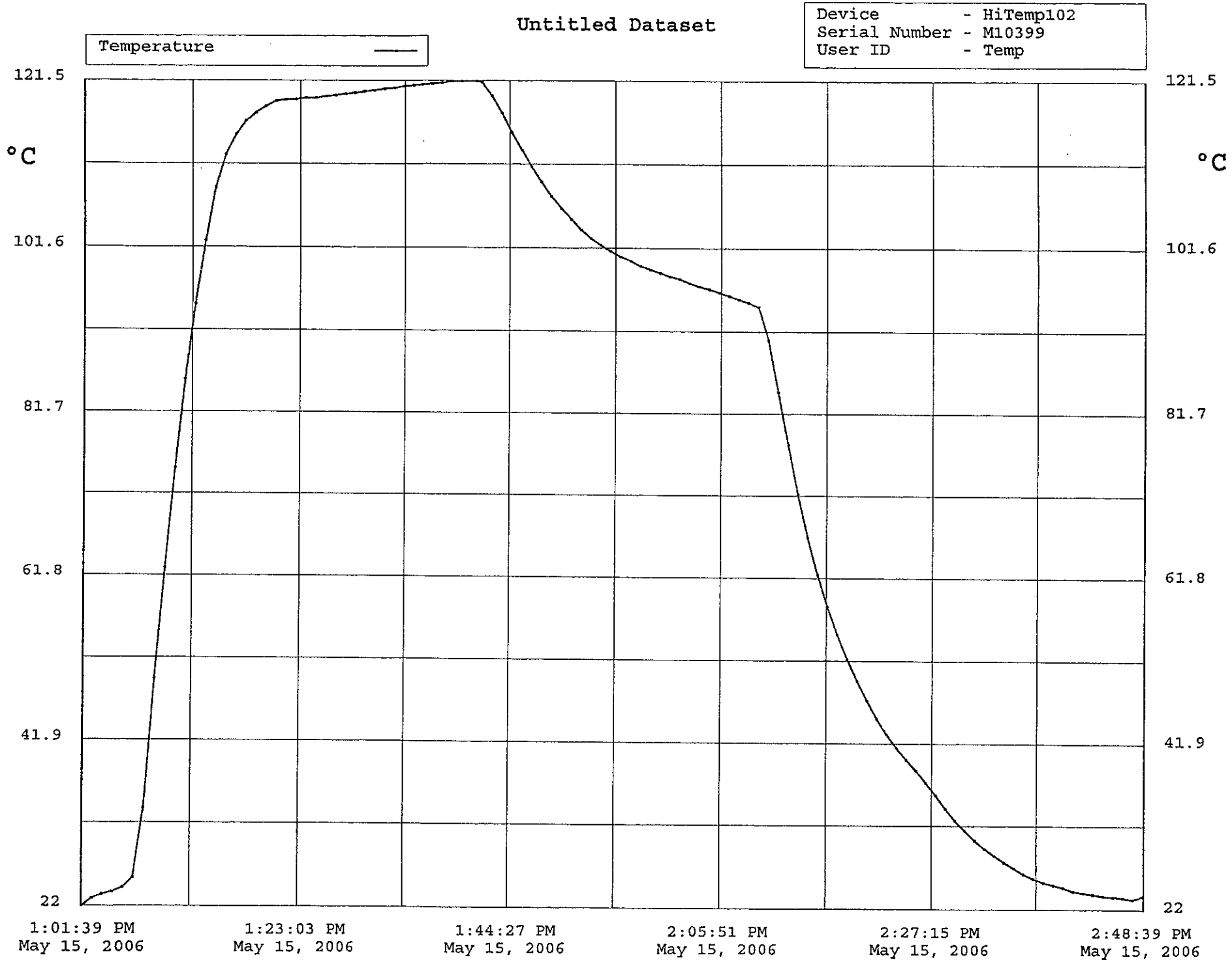
STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.	Chemist:	merrittn	Date:	05/15/06
0	Std1Rep1	NA	AQUEOUS	50	50	SOP#:	SAC-MT-0005		
0.2	Std2Rep1	NA	AQUEOUS	50	50	Autoclave: Start Time:		13:00	End: 14:30
0.5	Std3Rep1	NA	AQUEOUS	50	50	Balance ID:	QA-007	Calibrated:	NA
1	Std4Rep1	NA	AQUEOUS	50	50	STANDARDS:			
5	Std5Rep1	NA	AQUEOUS	50	50	Initial Calibration Standard (ICV):			
10	Std6Rep1	NA	AQUEOUS	50	50	Lot#:1767-19-4		Conc:	100ppb
ICV	ICV	NA	AQUEOUS	50	50	Calibration Stds./CCV/Matrix Spike/LCSW			
ICB	ICB	NA	AQUEOUS	50	50	Lot#:1767-19-5		Conc:	100ppb
G6E150000-464	H5ET6B		AQUEOUS	50	50		*SOIL (0.6g/50ml)*		
G6E150000-464	H5ET6C		AQUEOUS	50	50		Curve/QC (ppb)	Spike Volume	
G6E150000-464	H5ET6L		AQUEOUS	50	50		0.0	0.0 ul	
G6E080132-1	H4XGJ		AIR	0.75	50		0.2	100 ul	
G6E080132-2	H4XGK		AIR	0.75	50		0.5	250 ul	
G6E080132-3	H4XGN		AIR	0.75	50		1.0	0.5 ml	
G6E080132-4	H4XGP		AIR	0.75	50		5.0	2.5 ml	
G6E080132-5	H4XGQ		AIR	0.75	50		10.0	5.0 ml	
G6E080132-6	H4XGR		AIR	0.75	50		CCV/5.0	2.5 ml	
G6E080132-7	H4XGW		AIR	0.75	50		LCS/1.0	0.6g/0.5 ml	
G6E080132-8	H4XGX		AIR	0.75	50		MS/SD/3.0	1.5 ml	
G6E080132-9	H4XG0		AIR	0.75	50		ICV/2.0	1.0 ml	
G6E080132-10	H4XG7		AIR	0.75	50				
G6E080132-11	H4XG8		AIR	0.75	50		*WATER (30/30ml) , DI Leach (30/30)*		
G6E080132-12	H4XG9		AIR	0.75	50		*STLC (3/30 ml) , TCLP (6/30ml)*		
G6E080132-13	H4XHA		AIR	0.75	50		Curve/QC (ppb)	Spike Volume	
G6E080132-14	H4XHD		AIR	0.75	50		0.0	0.0 ul	
CCV	CCV		AQUEOUS	50	50		0.2	60 ul	
CCB	CCB		AQUEOUS	50	50		0.5	150 ul	
			AQUEOUS				1.0	300 ul	
							5.0	1.5 ml	
							10.0	3.0 ml	
							CCV/5.0	1.5 ml	
							LCS/1.0	300 ul	
							MS/SD/1.0	300 ul	
							ICV/2.0	600 ul	
							REAGENTS:		
				05/17/06	NN		HNO3 Lot#: C02065		
							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:	05/15/06
							KMnO4 Lot# 2626-MET-37-5		
							K2S2O8 Lot#: 2626-MET-38-6		
							NaCl(NH2OH)2 2626-37-6		
							SnCL2 Lot#:2626-39-2		

QA392 Rev.2/21/2003


Untitled Dataset
Device - HiTemp102
Serial Number - M10399
User ID - Temp
Temperature
°C
121.5
101.6
81.7
61.8
41.9
22
1:01:39 PM May 15, 2006
1:23:03 PM May 15, 2006
1:44:27 PM May 15, 2006
2:05:51 PM May 15, 2006
2:27:15 PM May 15, 2006
2:48:39 PM May 15, 2006

Report Name:	HiTemp102 Data Table
Report Date:	May 15, 2006
Title:	Untitled Dataset
Device:	HiTemp102 - Temperature Recorder
Serial Number:	M10399
User ID:	Temp
Data Start Date:	May 15, 2006 1:01:39 PM
Data End Date:	May 15, 2006 2:48:39 PM
Reading Rate:	1 Minute
Readings:	1 to 108 of 108

Reading	Date	Time	Temperature	Annotation
1	May 15, 2006	1:01:39 PM	22.000 °C	
2	May 15, 2006	1:02:39 PM	22.900 °C	
3	May 15, 2006	1:03:39 PM	23.400 °C	
4	May 15, 2006	1:04:39 PM	23.700 °C	
5	May 15, 2006	1:05:39 PM	24.200 °C	
6	May 15, 2006	1:06:39 PM	25.400 °C	
7	May 15, 2006	1:07:39 PM	33.700 °C	
8	May 15, 2006	1:08:39 PM	49.300 °C	
9	May 15, 2006	1:09:39 PM	62.700 °C	
10	May 15, 2006	1:10:39 PM	74.800 °C	
11	May 15, 2006	1:11:39 PM	85.600 °C	
12	May 15, 2006	1:12:39 PM	94.700 °C	
13	May 15, 2006	1:13:39 PM	102.300 °C	
14	May 15, 2006	1:14:39 PM	108.700 °C	
15	May 15, 2006	1:15:39 PM	112.600 °C	
16	May 15, 2006	1:16:39 PM	115.000 °C	
17	May 15, 2006	1:17:39 PM	116.600 °C	
18	May 15, 2006	1:18:39 PM	117.600 °C	
19	May 15, 2006	1:19:39 PM	118.400 °C	
20	May 15, 2006	1:20:39 PM	119.000 °C	
21	May 15, 2006	1:21:39 PM	119.200 °C	
22	May 15, 2006	1:22:39 PM	119.200 °C	
23	May 15, 2006	1:23:39 PM	119.400 °C	
24	May 15, 2006	1:24:39 PM	119.400 °C	
25	May 15, 2006	1:25:39 PM	119.600 °C	
26	May 15, 2006	1:26:39 PM	119.700 °C	
27	May 15, 2006	1:27:39 PM	119.900 °C	
28	May 15, 2006	1:28:39 PM	120.000 °C	
29	May 15, 2006	1:29:39 PM	120.200 °C	
30	May 15, 2006	1:30:39 PM	120.300 °C	
31	May 15, 2006	1:31:39 PM	120.500 °C	
32	May 15, 2006	1:32:39 PM	120.600 °C	
33	May 15, 2006	1:33:39 PM	120.800 °C	
34	May 15, 2006.	1:34:39 PM	120.900 °C	
35	May 15, 2006	1:35:39 PM	121.000 °C	
36	May 15, 2006	1:36:39 PM	121.100 °C	
37	May 15, 2006	1:37:39 PM	121.200 °C	
38	May 15, 2006	1:38:39 PM	121.400 °C	
39	May 15, 2006	1:39:39 PM	121.400 °C	
40	May 15, 2006	1:40:39 PM	121.500 °C	
41	May 15, 2006	1:41:39 PM	121.300 °C	
42	May 15, 2006	1:42:39 PM	119.700 °C	
43	May 15, 2006	1:43:39 PM	117.600 °C	
44	May 15, 2006	1:44:39 PM	115.300 °C	
45	May 15, 2006	1:45:39 PM	113.200 °C	
46	May 15, 2006	1:46:39 PM	111.200 °C	
47	May 15, 2006	1:47:39 PM	109.400 °C	
48	May 15, 2006	1:48:39 PM	107.700 °C	
49	May 15, 2006	1:49:39 PM	106.200 °C	
50	May 15, 2006	1:50:39 PM	104.900 °C	
51	May 15, 2006	1:51:39 PM	103.700 °C	
52	May 15, 2006	1:52:39 PM	102.700 °C	
53	May 15, 2006	1:53:39 PM	101.900 °C	
54	May 15, 2006	1:54:39 PM	101.200 °C	
55	May 15, 2006	1:55:39 PM	100.500 °C	
56	May 15, 2006	1:56:39 PM	100.000 °C	

AIR, PM-10 & TSP

RQC050 Severn Trent Laboratories, Inc. Run Date: 5/16/06
WET CHEM BATCHSHEET Time: 16:01:01

STL Sacramento

PRODUCTION FIGURES - WET CHEM

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

METHOD: AO Particulates in Air, Suspended "TSP HiVol" (APP B)
QC BATCH #: **6136536** INITIALS: DATA ENTRY:
PREP DATE: 5/10/06 16:25 PREP INITIALS
COMP DATE: 5/11/06 16:06 ANAL DATE 5/16/06
USER: VALMORES

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
H4XGX-1-AA	G-6E080132-008	XX S 88 AO 3W	Y-D	5/11/06	000443
H4XG0-1-AD	G-6E080132-009	XX S 88 AO 3W	Y-D		000444
H4XG7-1-AF	G-6E080132-010	XX S 88 AO 3W	Y-D		000445
H4XG8-1-AF	G-6E080132-011	XX S 88 AO 3W	Y-D		000446
H4XG9-1-AF	G-6E080132-012	XX S 88 AO 3W	Y-D		000447
H4XHA-1-AF	G-6E080132-013	XX S 88 AO 3W	Y-D		000448
H4XHD-1-AF	G-6E080132-014	XX S 88 AO 3W	Y-D		000449

Control Limits

STL Sacramento

Air Toxics Laboratory

SEVERN TRENT STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: G6E080132 - 8 -> 14 Batch #: 6136536

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 5/16/06 ANALYST: Stalmores

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: [signature] 5/16/06

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: [signature] 5/19/06

Comments: des HA

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 032806pgr0844	4.9997 032906skv1034	4.9999 051006skv1625	5.0002 051106skv1602					0.0005
H4HL3	bctsp032706-436	4.3623 032806pgr0901	4.3623 032906skv1035	4.3753 050306skv1656	4.3753 050406skv1141					0.0130
H4HL6	bctsp032706-437	4.3671 032806pgr0902	4.3671 032906skv1037	4.3789 050306skv1656	4.3787 050406skv1141					0.0116
H4HL7	bctsp032706-438	4.3579 032806pgr0903	4.3575 032906skv1037	4.3724 050306skv1657	4.3729 050406skv1142					0.0154
H4HL8	bctsp032706-439	4.3785 032806pgr0903	4.3782 032906skv1038	4.3951 050306skv1657	4.3948 050406skv1142					0.0166
H4HL9	bctsp032706-440	4.3521 032806pgr0905	4.3521 032906skv1038	4.3670 050306skv1658	4.3673 050406skv1142					0.0152
H4HMA	bctsp032706-441	4.3830 032806pgr0907	4.3834 032906skv1039	4.3974 050306skv1658	4.3971 050406skv1143					0.0137
H4HMD	bctsp032706-442	4.3589 032806pgr0908	4.3586 032906skv1039	4.3580 050306skv1659	4.3579 050406skv1143					-0.0007
H4XGX	bctsp032706-443	4.3611 032806pgr0908	4.3608 032906skv1039	4.4111 051006skv1626	4.4115 051106skv1603					0.0507
H4XG0	bctsp032706-444	4.3612 032806pgr0909	4.3611 032906skv1040	4.3968 051006skv1626	4.3964 051106skv1604					0.0353
H4XG7	bctsp032706-445	4.3416 032806pgr0909	4.3417 032906skv1040	4.3834 051006skv1627	4.3833 051106skv1604					0.0416
	5 g wt	4.9998 032806pgr0910	4.9999 032906skv1040	5.0001 050306skv1700	5.0003 050406skv1144					0.0004
	5 g wt	4.9998 032806pgr0910	4.9999 032906skv1040	4.9998 051006skv1628	4.9997 051106skv1604					-0.0002
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

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

Page 1/2 Batch#: 6136536

Reviewed by: GL 5/19/06

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)
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
	bctsp032706-450	4.3286 032806pgr0915	4.3281 032906skv1042							NC
	5 g wt	4.9998 032806pgr0917	4.9998 032906skv1042	5.0004 051006skv1630	5.0000 051106skv1606					0.0002

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

Page 2/2 Batch#: 6136536

Reviewed by: 5/19/06

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch **6136536**

Date 5/19/2006
Time 11:17:07

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.
H4XGX-1-AA	0.0507	g	0.0001	05/10-05/11/06	.00	N	R	0.0507	0.0001	1.00
H4XG0-1-AD	0.0353	g	0.0001	05/10-05/11/06	.00	N	R	0.0353	0.0001	1.00
H4XG7-1-AF	0.0416	g	0.0001	05/10-05/11/06	.00	N	R	0.0416	0.0001	1.00
H4XG8-1-AF	0.0513	g	0.0001	05/10-05/11/06	.00	N	R	0.0513	0.0001	1.00
H4XG9-1-AF	0.0488	g	0.0001	05/10-05/11/06	.00	N	R	0.0488	0.0001	1.00
H4XHA-1-AF	0.0440	g	0.0001	05/10-05/11/06	.00	N	R	0.0440	0.0001	1.00
H4XHD-1-AF	ND	g	0.0001	05/10-05/11/06	.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

RQC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEET

Run Date: 5/16/06
Time: 16:01:46

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 #: **6136531**
PREP DATE: 5/10/06 16:31
COMP DATE: 5/12/06 16:05
USER: VALMORES

INITIALS:
PREP
ANAL

DATA ENTRY:
INITIALS
DATE 5/16/06

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
H4XGJ-1-AA	G-6E080132-001	XX S 88 JR 01	Y-D	5/12/06	P-0614
H4XGK-1-AD	G-6E080132-002	XX S 88 JR 01	Y-D		P-0615
H4XGN-1-AD	G-6E080132-003	XX S 88 JR 01	Y-D	5/11/06	P-0616
H4XGP-1-AD	G-6E080132-004	XX S 88 JR 01	Y-D	5/12/06	P-0617
H4XGQ-1-AD	G-6E080132-005	XX S 88 JR 01	Y-D		P-0618
H4XGR-1-AD	G-6E080132-006	XX S 88 JR 01	Y-D	5/11/06	P-0619
H4XGW-1-AD	G-6E080132-007	XX S 88 JR 01	Y-D	5/12/06	P-0620

Control Limits

STL Sacramento

Air Toxics Laboratory

SEVERN TRENT STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: G6E080132 - 1 → 7 Batch #: 636531

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 5/16/06 ANALYST: Salmones

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: 5/16/06

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

Completed By & Date: GL 5/19/06

Comments: des IA

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 032806pgr0816	5.0000 032906skv1055	4.9997 051006skv1631	4.9998 051106skv1631	5.0000 051206skv1603				0.0000
H4HLX	pmbc032706-611	4.4889 032806pgr0816	4.4892 032906skv1056	4.4969 050306skiv1650	4.4969 050406skv1132					0.0077
H4HL1	pmbc032706-612	4.4751 032806pgr0817	4.4755 032906skv1056	4.4819 050306skiv1650	4.4814 050406skv1133					0.0059
H4HL2	pmbc032706-613	4.4740 032806pgr0818	4.4739 032906skv1057	4.4710 050306skiv1650	4.4711 050406skv1133					-0.0028
H4XGJ	pmbc032706-614	4.4625 032806pgr0818	4.4624 032906skv1057	4.4733 051006skv1631	4.4751 051106skv1634	4.4754 051206skv1603				0.0130
H4XGK	pmbc032706-615	4.4480 032806pgr0819	4.4478 032906skv1057	4.4572 051006skv1632	4.4610 051106skv1634	4.4612 051206skv1603				0.0134
H4XGN	pmbc032706-616	4.4639 032806pgr0820	4.4639 032906skv1058	4.4788 051006skv1633	4.4787 051106skv1635					0.0148
H4XGP	pmbc032706-617	4.4726 032806pgr0821	4.4726 032906skv1058	4.4812 051006skv1633	4.4888 051106skv1635	4.4885 051206skv1604				0.0159
H4XGQ	pmbc032706-618	4.4210 032806pgr0823	4.4205 032906skv1059	4.4354 051006skv1634	4.4371 051106skv1635	4.4366 051206skv1604				0.0161
H4XGR	pmbc032706-619	4.4746 032806pgr0824	4.4741 032906skv1059	4.4881 051006skv1634	4.4883 051106skv1636					0.0142
H4XGW	pmbc032706-620	4.4720 032806pgr0824	4.4715 032906skv1100	4.4848 051006skv1634	4.4868 051106skv1636	4.4868 051206skv1605				0.0153
	5 g wt	5.0001 032806pgr0825	5.0003 032906skv1101	5.0002 050306skiv1651	5.0002 050406skv1134					-0.0001
	5 g wt	5.0001 032806pgr0825	5.0003 032906skv1101	4.9998 051006skv1635	5.0001 051106skv1637	5.0005 051206skv1605				0.0002

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch **6136531**

Date 5/19/2006
Time 10:25:34

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.
H4XGJ-1-AA	0.0130	g	0.0001	05/10-05/12/06	.00	N	R	0.0130	0.0001	1.00
H4XGK-1-AD	0.0134	g	0.0001	05/10-05/12/06	.00	N	R	0.0134	0.0001	1.00
H4XGN-1-AD	0.0148	g	0.0001	05/10-05/11/06	.00	N	R	0.0148	0.0001	1.00
H4XGP-1-AD	0.0159	g	0.0001	05/10-05/12/06	.00	N	R	0.0159	0.0001	1.00
H4XGQ-1-AD	0.0161	g	0.0001	05/10-05/12/06	.00	N	R	0.0161	0.0001	1.00
H4XGR-1-AD	0.0142	g	0.0001	05/10-05/11/06	.00	N	R	0.0142	0.0001	1.00
H4XGW-1-AD	0.0153	g	0.0001	05/10-05/12/06	.00	N	R	0.0153	0.0001	1.00

Notes:

PRODUCTION TOTALS

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