SEVERN TRENT STL

STL Sacramento
880 Riverside Parkway
West Sacramento, CA 95605

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

June 21, 2006

STL SACRAMENTO PROJECT NUMBER: G6F020224
PO/CONTRACT: 129682.001/Event 82

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 June 2, 2006. These samples are associated with your Event 82 project.

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

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

Sincerely,

Karen Dahl
Project Manager

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STL SACRAMENTO PROJECT NUMBER G6F020224

Case Narrative

STL Sacramento Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

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

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

Raw Data Package

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G6F020224

There were no 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
G6F020224

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
H6LT9	1	P-0653	5/31/2006 10:30 AM	6/2/2006 09:00 AM
H6LVC	2	P-0654	5/31/2006 11:00 AM	6/2/2006 09:00 AM
H6LVD	3	P-0655	5/31/2006 11:20 AM	6/2/2006 09:00 AM
H6LVE	4	P-0656	5/31/2006 11:45 AM	6/2/2006 09:00 AM
H6LVF	5	P-0657	5/31/2006 12:10 PM	6/2/2006 09:00 AM
H6LVH	6	P-0658	5/31/2006 12:20 PM	6/2/2006 09:00 AM
H6LVK	7	P-0659	5/31/2006 10:35 AM	6/2/2006 09:00 AM
H6LVL	8	000480	5/31/2006 10:40 AM	6/2/2006 09:00 AM
H6LVM	9	000481	5/31/2006 11:05 AM	6/2/2006 09:00 AM
H6LVN	10	000482	5/31/2006 11:25 AM	6/2/2006 09:00 AM
H6LVQ	11	000483	5/31/2006 11:50 AM	6/2/2006 09:00 AM
H6LVR	12	000484	5/31/2006 12:15 PM	6/2/2006 09:00 AM
H6LVT	13	000485	5/31/2006 12:25 PM	6/2/2006 09:00 AM
H6LVV	14	000486	5/31/2006 11:10 AM	6/2/2006 09:00 AM

Notes(s):

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

BROWN AND CALDWELL

CHAIN OF CUSTODY RECORD

COC No. _____

Event 82

☒ 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 300
Phoenix, AZ 85004
602-567-4000 / FAX 602-567-4001

YERA000163

G6F020224

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-0653	5/31/06	10:30	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-0654		11:00		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
03	P-0655		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)			—		----	
04	P-0656		11:45		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
05	P-0657		12:10		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-0658		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)			—		----	
07	P-0659		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)			—		----	
08														----	
09														----	
10														----	

COLLECTED & RELEASED BY: Dianne Sherman	DATE 6/1/06	TIME 1600	COOLER I.D.:		COMMENTS (see note on back):
RECEIVED BY: Chang Une	DATE 6/2/06	TIME 10:55	RELINQUISHED BY:	DATE / /	TIME :
RECORD RETURNED BY:	DATE / /	TIME :			
COURIER: FED EX			SHIPPING NUMBER: 7904 4990 3426		

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

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

BROWN AND CALDWELL

CHAIN OF CUSTODY RECORD

COC No.: _____

Event 82

YERA000164

☒ 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	-000480	5/31/06	10:40	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	-000481		11:05		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
03	-000482		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)			—		----	
04	-000483		11:50		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
05	-000484		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)			—		----	
06	-000485		12:25		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
07	-000486		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)			—		----	
08														----	
09														----	
10														----	

COLLECTED & RELEASED BY: Wayne Thompson	DATE 6/7/06	TIME 10:00	COOLER I.D.:			COMMENTS (see note on back):
RECEIVED BY: Chris Vue	DATE 6/12/06	TIME 10:55	RELINQUISHED BY:	DATE / /	TIME :	
RECORD RETURNED BY:	DATE / /	TIME :				
COURIER: FED EX			SHIPPING NUMBER: 7904 4990 3426			

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.

G6F020224
STL Sacramento (916) 373-5600

SEVERN TRENT STL

LOT RECEIPT CHECKLIST
STL Sacramento

CLIENT Brown & Caldwell PM KD LOG # 39185

LOT# (QUANTIMS ID) G6F020224 QUOTE# 62684 LOCATION AC

		Initials	Date
DATE RECEIVED 6/2/06 TIME RECEIVED 0900		DW	6/2/06
DELIVERED BY	☑ FEDEX ☐ CA OVERNIGHT ☐ CLIENT ☐ AIRBORNE ☐ GOLDENSTATE ☐ DHL ☐ UPS ☐ BAX GLOBAL ☐ GO-GETTERS ☐ STL COURIER ☐ COURIERS ON DEMAND ☐ OTHER		
CUSTODY SEAL STATUS	☐ INTACT ☐ BROKEN ☑ N/A		
CUSTODY SEAL #(S)			
SHIPPPING CONTAINER(S)	☐ STL ☑ CLIENT ☐ N/A		
TEMPERTURE RECORD (IN °C)	IR 1☐ 3 ☐ ☐ OTHER NA		
COC #(S)			
TEMPERATURE BLANK	Observed:_____ Corrected:_____		
SAMPLE TEMPERATURE	Observed: ambient Average:_____ Corrected Average:_____		
COLLECTOR'S NAME:	☐ Verified from COC ☑ Not on COC		
pH MEASURED	☐ YES ☐ ANOMALY ☑ N/A		
LABELED BY			
LABELS CHECKED BY			
PEER REVIEW	☑ NA		
SHORT HOLD TEST NOTIFICATION	SAMPLE RECEIVING		
	WETCHEM ☑ N/A		
	VOA-ENCORES ☑ N/A		
☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL	☑ N/A		
☑ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES	☐ N/A		
☐ Clouseau	☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☑ N/A		
☐ WET ICE	☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED	☐ PM NOTIFIED	

Notes:

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

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

SEVERN TRENT STL

Bottle Lot Inventory

Lot ID: G6F020224

	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-0653

TOTAL Metals

Lot-Sample #...: G6F020224-001 **Matrix.....:** AIR
Date Sampled...: 05/31/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160308						
Silver	**0.026 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT91AH**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LT91AJ
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LT91AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.0086 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/19/06**	**H6LT91AL**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.065 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT91AM**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LT91AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LT91AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**33.7**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT91AQ**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**9.3**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT91AR**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LT91AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LT91AU
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.3**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT91AV**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LT91AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.4 B,J**	**12.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT91AX**
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0653

TOTAL Metals

Lot-Sample #...: G6F020224-001 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**6.7 B**	**24.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT91A0**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160312						
Aluminum	**170 B**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LT91AC**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/15/06	H6LT91AD
		Dilution Factor: 1		MDL.....: 898		
Iron	**202**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LT91AE**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**143 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LT91AF**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H6LT91AG
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167316						
Mercury	**0.019 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LT91A1**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

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

Brown and Caldwell

Client Sample ID: P-0654

TOTAL Metals

Lot-Sample #...: G6F020224-002 **Matrix.....:** AIR
Date Sampled...: 05/31/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160308						
Silver	**0.038 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVC1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVC1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LVC1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVC1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.067 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVC1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVC1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVC1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**21.4**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVC1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**9.5**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVC1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVC1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVC1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.3**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVC1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVC1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.6 B,J**	**12.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVC1A1**
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0654

TOTAL Metals

Lot-Sample #...: G6F020224-002 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**6.8 B**	**24.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVC1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160312						
Aluminum	**172 B**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVC1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/15/06	H6LVC1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**196**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVC1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**129 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVC1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H6LVC1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167316						
Mercury	**0.025 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LVC1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

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

Brown and Caldwell

Client Sample ID: P-0655

TOTAL Metals

Lot-Sample #...: G6F020224-003 **Matrix.....:** AIR
Date Sampled...: 05/31/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160308						
Silver	**0.029 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVD1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVD1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LVD1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVD1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.069 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVD1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVD1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVD1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**52.5**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVD1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**9.0**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVD1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVD1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVD1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**3.0**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVD1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVD1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.5 B,J**	**12.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVD1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0655

TOTAL Metals

Lot-Sample #...: G6F020224-003 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**7.8 B**	**24.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVD1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160312						
Aluminum	**177 B**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVD1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/15/06	H6LVD1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**223**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVD1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**143 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVD1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H6LVD1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167316						
Mercury	**0.023 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LVD1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

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

Brown and Caldwell

Client Sample ID: P-0656

TOTAL Metals

Lot-Sample #...: G6F020224-004 **Matrix.....:** AIR
Date Sampled...: 05/31/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160308						
Silver	**0.023 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVE1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVE1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LVE1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.011 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVE1AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.081 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVE1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVE1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVE1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**55.8**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVE1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**15.5**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVE1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVE1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVE1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**3.5**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVE1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVE1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.8 B,J**	**12.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVE1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0656

TOTAL Metals

Lot-Sample #...: G6F020224-004 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**14.8 B**	**24.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVE1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160312						
Aluminum	**322**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVE1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/15/06	H6LVE1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**433**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVE1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**230 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVE1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H6LVE1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167316						
Mercury	**0.023 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LVE1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

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

Brown and Caldwell

Client Sample ID: P-0657

TOTAL Metals

Lot-Sample #...: G6F020224-005 **Matrix.....:** AIR
Date Sampled...: 05/31/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160308						
Silver	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVF1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVF1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LVF1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVF1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVF1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVF1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVF1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**12.6**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVF1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**8.2**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVF1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVF1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVF1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.1**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVF1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVF1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVF1A1
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0657

TOTAL Metals

Lot-Sample #...: G6F020224-005 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**6.2 B**	**24.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVF1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160312						
Aluminum	**174 B**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVF1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/15/06	H6LVF1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**219**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVF1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**135 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVF1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H6LVF1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167316						
Mercury	**0.025 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LVF1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

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

Brown and Caldwell

Client Sample ID: P-0658

TOTAL Metals

Lot-Sample #...: G6F020224-006 **Matrix.....:** AIR
Date Sampled...: 05/31/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160308						
Silver	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVH1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVH1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LVH1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVH1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVH1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVH1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVH1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**26.5**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVH1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**9.3**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVH1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVH1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVH1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.1**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVH1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVH1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVH1A1
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0658

TOTAL Metals

Lot-Sample #...: G6F020224-006 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	06/09-06/16/06	H6LVH1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160312						
Aluminum	**200 B**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVH1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/15/06	H6LVH1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**235**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVH1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**137 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVH1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H6LVH1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167316						
Mercury	**0.026 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LVH1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

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

Brown and Caldwell

Client Sample ID: P-0659

TOTAL Metals

Lot-Sample #...: G6F020224-007 **Matrix.....:** AIR
Date Sampled...: 05/31/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160308						
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVK1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.1**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVK1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVK1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVK1A1
		Dilution Factor: 1		MDL.....: 2.9		
Zinc	ND	24.0	ug	SW846 6020	06/09-06/16/06	H6LVK1AA
		Dilution Factor: 1		MDL.....: 6.2		
Silver	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVK1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVK1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LVK1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVK1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVK1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVK1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVK1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**35.7**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVK1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**8.0**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVK1AU**
		Dilution Factor: 1		MDL.....: 1.9		

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Brown and Caldwell

Client Sample ID: P-0659

TOTAL Metals

Lot-Sample #...: G6F020224-007 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVK1AV
		Dilution Factor: 1		MDL.....: 1.1		
Prep Batch #...: 6160312						
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H6LVK1AJ
		Dilution Factor: 1		MDL.....: 2020		
Aluminum	**174 B**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVK1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/15/06	H6LVK1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**193**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVK1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**134 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVK1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Prep Batch #...: 6167316						
Mercury	**0.022 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LVK1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

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

Brown and Caldwell

Client Sample ID: 000480

TOTAL Metals

Lot-Sample #...: G6F020224-008 Matrix.....: AIR
Date Sampled...: 05/31/06 Date Received..: 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160308						
Silver	**0.093 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVL1AH**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVL1AJ
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LVL1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.021 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVL1AL**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.079 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVL1AM**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVL1AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVL1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**269**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVL1AQ**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**26.3**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVL1AR**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVL1AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVL1AU
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**3.6**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVL1AV**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVL1AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.3 B,J**	**12.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVL1AX**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000480

TOTAL Metals

Lot-Sample #...: G6F020224-008 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**9.5 B**	**24.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVL1A0**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160312						
Aluminum	**583**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVL1AC**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/15/06	H6LVL1AD
		Dilution Factor: 1		MDL.....: 898		
Iron	**690**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVL1AE**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**382 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVL1AF**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H6LVL1AG
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167316						
Mercury	**0.034 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LVL1A1**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

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

Brown and Caldwell

Client Sample ID: 000481

TOTAL Metals

Lot-Sample #...: G6F020224-009 **Matrix.....:** AIR
Date Sampled...: 05/31/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160308						
Silver	**0.031 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVM1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVM1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LVM1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVM1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.062 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVM1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVM1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVM1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**129**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVM1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**19.4**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVM1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVM1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVM1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.7**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVM1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVM1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVM1A1
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000481

TOTAL Metals

Lot-Sample #...: G6F020224-009 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**7.1 B**	**24.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVM1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160312						
Aluminum	**393**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVM1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/15/06	H6LVM1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**443**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVM1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**251 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVM1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H6LVM1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167316						
Mercury	**0.032 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LVM1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

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

Brown and Caldwell

Client Sample ID: 000482

TOTAL Metals

Lot-Sample #...: G6F020224-010 Matrix.....: AIR
Date Sampled...: 05/31/06 Date Received..: 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160308						
Silver	**0.079 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVN1AM**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVN1AN
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LVN1AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.013 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVN1AQ**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.064 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVN1AR**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVN1AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVN1AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**243**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVN1AV**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**16.8**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVN1AW**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVN1AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVN1A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**3.9**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVN1A1**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVN1AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVN1AC
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000482

TOTAL Metals

Lot-Sample #...: G6F020224-010 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	10 B	24.0	ug	SW846 6020	06/09-06/16/06	H6LVN1AD
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160312						
Aluminum	396	240	ug	SW846 6010B	06/09-06/15/06	H6LVN1AG
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/15/06	H6LVN1AH
		Dilution Factor: 1		MDL.....: 898		
Iron	521	120	ug	SW846 6010B	06/09-06/15/06	H6LVN1AJ
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	288 B	600	ug	SW846 6010B	06/09-06/15/06	H6LVN1AK
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H6LVN1AL
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167316						
Mercury	0.038 B,J	0.12	ug	SW846 7471A	06/15-06/16/06	H6LVN1AE
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

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

Brown and Caldwell

Client Sample ID: 000483

TOTAL Metals

Lot-Sample #...: G6F020224-011 Matrix.....: AIR
Date Sampled...: 05/31/06 Date Received..: 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160308						
Silver	**0.060 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVQ1AM**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVQ1AN
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LVQ1AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.031 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVQ1AQ**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.11 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVQ1AR**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVQ1AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVQ1AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**182**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVQ1AV**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**33.0**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVQ1AW**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVQ1AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVQ1A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**3.9**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVQ1A1**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVQ1AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.9 B,J**	**12.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVQ1AC**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000483

TOTAL Metals

Lot-Sample #...: G6F020224-011 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	13.7 B	24.0	ug	SW846 6020	06/09-06/16/06	H6LVQ1AD
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160312						
Aluminum	815	240	ug	SW846 6010B	06/09-06/15/06	H6LVQ1AG
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1230 B	3000	ug	SW846 6010B	06/09-06/15/06	H6LVQ1AH
		Dilution Factor: 1		MDL.....: 898		
Iron	1100	120	ug	SW846 6010B	06/09-06/15/06	H6LVQ1AJ
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	538 B	600	ug	SW846 6010B	06/09-06/15/06	H6LVQ1AK
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H6LVQ1AL
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167316						
Mercury	0.035 B,J	0.12	ug	SW846 7471A	06/15-06/16/06	H6LVQ1AE
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

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

Brown and Caldwell

Client Sample ID: 000484

TOTAL Metals

Lot-Sample #...: G6F020224-012 **Matrix.....:** AIR
Date Sampled...: 05/31/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160308						
Silver	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVR1AM
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVR1AN
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LVR1AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.013 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVR1AQ**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.13 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVR1AR**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVR1AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVR1AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**80.2**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVR1AV**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**20.8**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVR1AW**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVR1AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVR1A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**3.1**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVR1A1**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVR1AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.3 B,J**	**12.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVR1AC**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000484

TOTAL Metals

Lot-Sample #...: G6F020224-012 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**11.3 B**	**24.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVR1AD**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160312						
Aluminum	**505**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVR1AG**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/15/06	H6LVR1AH
		Dilution Factor: 1		MDL.....: 898		
Iron	**670**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVR1AJ**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**339 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVR1AK**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H6LVR1AL
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167316						
Mercury	**0.039 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LVR1AE**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

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

Brown and Caldwell

Client Sample ID: 000485

TOTAL Metals

Lot-Sample #...: G6F020224-013 **Matrix.....:** AIR
Date Sampled...: 05/31/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160308						
Silver	**0.020 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVT1AM**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVT1AN
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LVT1AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.011 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVT1AQ**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.072 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVT1AR**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVT1AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVT1AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**98.2**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVT1AV**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**21.1**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVT1AW**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVT1AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVT1A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**3.2**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVT1A1**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVT1AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.0 B,J**	**12.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVT1AC**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000485

TOTAL Metals

Lot-Sample #...: G6F020224-013 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**10 B**	**24.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LVT1AD**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160312						
Aluminum	**504**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVT1AG**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/15/06	H6LVT1AH
		Dilution Factor: 1		MDL.....: 898		
Iron	**619**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVT1AJ**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**327 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVT1AK**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H6LVT1AL
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167316						
Mercury	**0.040 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LVT1AE**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

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

Brown and Caldwell

Client Sample ID: 000486

TOTAL Metals

Lot-Sample #...: G6F020224-014 **Matrix.....:** AIR
Date Sampled...: 05/31/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160308						
Silver	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVV1AM
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVV1AN
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LVV1AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVV1AQ
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVV1AR
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVV1AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVV1AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVV1AV
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVV1AW
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVV1AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LVV1A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LVV1A1
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LVV1AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LVV1AC
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000486

TOTAL Metals

Lot-Sample #...: G6F020224-014 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	06/09-06/16/06	H6LVV1AD
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160312						
Aluminum	ND	240	ug	SW846 6010B	06/09-06/15/06	H6LVV1AG
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/15/06	H6LVV1AH
		Dilution Factor: 1		MDL.....: 898		
Iron	**17.3 B**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LVV1AJ**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	ND	600	ug	SW846 6010B	06/09-06/15/06	H6LVV1AK
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H6LVV1AL
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167316						
Mercury	**0.014 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LVV1AE**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

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

QC DATA ASSOCIATION SUMMARY

G6F020224

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AIR	SW846 6020		6160308	
	AIR	SW846 7471A		6167316	
	AIR	SW846 6010B		6160312	
002	AIR	SW846 6020		6160308	
	AIR	SW846 7471A		6167316	
	AIR	SW846 6010B		6160312	
003	AIR	SW846 6020		6160308	
	AIR	SW846 7471A		6167316	
	AIR	SW846 6010B		6160312	
004	AIR	SW846 6020		6160308	
	AIR	SW846 7471A		6167316	
	AIR	SW846 6010B		6160312	
005	AIR	SW846 6020		6160308	
	AIR	SW846 7471A		6167316	
	AIR	SW846 6010B		6160312	
006	AIR	SW846 6020		6160308	
	AIR	SW846 7471A		6167316	
	AIR	SW846 6010B		6160312	
007	AIR	SW846 6020		6160308	
	AIR	SW846 7471A		6167316	
	AIR	SW846 6010B		6160312	
008	AIR	SW846 6020		6160308	
	AIR	SW846 7471A		6167316	
	AIR	SW846 6010B		6160312	
009	AIR	SW846 6020		6160308	
	AIR	SW846 7471A		6167316	
	AIR	SW846 6010B		6160312	
010	AIR	SW846 6020		6160308	
	AIR	SW846 7471A		6167316	
	AIR	SW846 6010B		6160312	
011	AIR	SW846 6020		6160308	
	AIR	SW846 7471A		6167316	
	AIR	SW846 6010B		6160312	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G6F020224

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
012	AIR	SW846 6020		6160308	
	AIR	SW846 7471A		6167316	
	AIR	SW846 6010B		6160312	
013	AIR	SW846 6020		6160308	
	AIR	SW846 7471A		6167316	
	AIR	SW846 6010B		6160312	
014	AIR	SW846 6020		6160308	
	AIR	SW846 7471A		6167316	
	AIR	SW846 6010B		6160312	

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: G6F020224 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G6F090000-308 **Prep Batch #...:** 6160308						
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H64F01AC
		Dilution Factor: 1				
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H64F01AD
		Dilution Factor: 1				
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/19/06	H64F01AE
		Dilution Factor: 1				
Cadmium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H64F01AF
		Dilution Factor: 1				
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H64F01AH
		Dilution Factor: 1				
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H64F01AG
		Dilution Factor: 1				
Copper	ND	6.0	ug	SW846 6020	06/09-06/16/06	H64F01AJ
		Dilution Factor: 1				
Lead	ND	1.2	ug	SW846 6020	06/09-06/16/06	H64F01AN
		Dilution Factor: 1				
Manganese	ND	6.0	ug	SW846 6020	06/09-06/16/06	H64F01AK
		Dilution Factor: 1				
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H64F01AL
		Dilution Factor: 1				
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H64F01AM
		Dilution Factor: 1				
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H64F01AP
		Dilution Factor: 1				
Silver	ND	1.2	ug	SW846 6020	06/09-06/16/06	H64F01AA
		Dilution Factor: 1				
Vanadium	**3.1 B**	**12.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H64F01AQ**
		Dilution Factor: 1				
Zinc	ND	24.0	ug	SW846 6020	06/09-06/16/06	H64F01AR
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: G6F020224 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G6F090000-312 **Prep Batch #...:** 6160312						
Aluminum	ND	240	ug	SW846 6010B	06/09-06/15/06	H64GV1AA
		Dilution Factor: 1				
Calcium	ND	3000	ug	SW846 6010B	06/09-06/15/06	H64GV1AC
		Dilution Factor: 1				
Iron	ND	120	ug	SW846 6010B	06/09-06/15/06	H64GV1AD
		Dilution Factor: 1				
Magnesium	ND	600	ug	SW846 6010B	06/09-06/15/06	H64GV1AE
		Dilution Factor: 1				
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H64GV1AF
		Dilution Factor: 1				
MB Lot-Sample #: G6F160000-316 **Prep Batch #...:** 6167316						
Mercury	**0.0048 B**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H7KDG1AA**
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6F020224 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Arsenic	240	228	ug	95		SW846 6020	06/09-06/19/06	6160308
	240	228	ug	95	0.12	SW846 6020	06/09-06/19/06	6160308
			Dilution Factor: 1					
Barium	240	237	ug	99		SW846 6020	06/09-06/19/06	6160308
	240	237	ug	99	0.25	SW846 6020	06/09-06/19/06	6160308
			Dilution Factor: 1					
Beryllium	240	219	ug	91		SW846 6020	06/09-06/19/06	6160308
	240	219	ug	91	0.25	SW846 6020	06/09-06/19/06	6160308
			Dilution Factor: 1					
Cadmium	240	224	ug	93		SW846 6020	06/09-06/19/06	6160308
	240	225	ug	94	0.49	SW846 6020	06/09-06/19/06	6160308
			Dilution Factor: 1					
Chromium	240	234	ug	98		SW846 6020	06/09-06/19/06	6160308
	240	237	ug	99	1.1	SW846 6020	06/09-06/19/06	6160308
			Dilution Factor: 1					
Cobalt	240	237	ug	99		SW846 6020	06/09-06/19/06	6160308
	240	235	ug	98	0.65	SW846 6020	06/09-06/19/06	6160308
			Dilution Factor: 1					
Copper	240	226	ug	94		SW846 6020	06/09-06/19/06	6160308
	240	223	ug	93	1.3	SW846 6020	06/09-06/19/06	6160308
			Dilution Factor: 1					
Lead	240	239	ug	100		SW846 6020	06/09-06/19/06	6160308
	240	243	ug	101	1.4	SW846 6020	06/09-06/19/06	6160308
			Dilution Factor: 1					
Manganese	240	239	ug	100		SW846 6020	06/09-06/19/06	6160308
	240	239	ug	100	0.0	SW846 6020	06/09-06/19/06	6160308
			Dilution Factor: 1					
Molybdenum	240	235	ug	98		SW846 6020	06/09-06/19/06	6160308
	240	236	ug	98	0.34	SW846 6020	06/09-06/19/06	6160308
			Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6F020224 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nickel	240	231	ug	96		SW846 6020	06/09-06/19/06	6160308
	240	229	ug	96	0.76	SW846 6020	06/09-06/19/06	6160308
			Dilution Factor: 1					
Selenium	240	222	ug	93		SW846 6020	06/09-06/19/06	6160308
	240	223	ug	93	0.49	SW846 6020	06/09-06/19/06	6160308
			Dilution Factor: 1					
Silver	60.0	58.5	ug	98		SW846 6020	06/09-06/19/06	6160308
	60.0	59.1	ug	99	1.0	SW846 6020	06/09-06/19/06	6160308
			Dilution Factor: 1					
Vanadium	240	233	ug	97		SW846 6020	06/09-06/19/06	6160308
	240	233	ug	97	0.17	SW846 6020	06/09-06/19/06	6160308
			Dilution Factor: 1					
Zinc	240	220	ug	91		SW846 6020	06/09-06/19/06	6160308
	240	220	ug	92	0.14	SW846 6020	06/09-06/19/06	6160308
			Dilution Factor: 1					
Aluminum	2400	2390	ug	100		SW846 6010B	06/09-06/15/06	6160312
	2400	2410	ug	100	0.68	SW846 6010B	06/09-06/15/06	6160312
			Dilution Factor: 1					
Calcium	60000	57800	ug	96		SW846 6010B	06/09-06/15/06	6160312
	60000	58700	ug	98	1.6	SW846 6010B	06/09-06/15/06	6160312
			Dilution Factor: 1					
Iron	1200	1190	ug	100		SW846 6010B	06/09-06/15/06	6160312
	1200	1180	ug	99	0.89	SW846 6010B	06/09-06/15/06	6160312
			Dilution Factor: 1					
Magnesium	60000	58600	ug	98		SW846 6010B	06/09-06/15/06	6160312
	60000	59600	ug	99	1.8	SW846 6010B	06/09-06/15/06	6160312
			Dilution Factor: 1					
Sodium	60000	57000	ug	95		SW846 6010B	06/09-06/15/06	6160312
	60000	57600	ug	96	1.2	SW846 6010B	06/09-06/15/06	6160312
			Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6F020224 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Mercury	0.600	0.606	ug	101		SW846 7471A	06/15-06/16/06	6167316
	0.600	0.606	ug	101	0.0	SW846 7471A	06/15-06/16/06	6167316

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 #...: G6F020224 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Arsenic	95	(75 - 125)			SW846 6020	06/09-06/19/06	6160308
	95	(75 - 125)	0.12	(0-20)	SW846 6020	06/09-06/19/06	6160308
		Dilution Factor: 1					
Barium	99	(75 - 125)			SW846 6020	06/09-06/19/06	6160308
	99	(75 - 125)	0.25	(0-20)	SW846 6020	06/09-06/19/06	6160308
		Dilution Factor: 1					
Beryllium	91	(75 - 125)			SW846 6020	06/09-06/19/06	6160308
	91	(75 - 125)	0.25	(0-20)	SW846 6020	06/09-06/19/06	6160308
		Dilution Factor: 1					
Cadmium	93	(75 - 125)			SW846 6020	06/09-06/19/06	6160308
	94	(75 - 125)	0.49	(0-20)	SW846 6020	06/09-06/19/06	6160308
		Dilution Factor: 1					
Chromium	98	(75 - 125)			SW846 6020	06/09-06/19/06	6160308
	99	(75 - 125)	1.1	(0-20)	SW846 6020	06/09-06/19/06	6160308
		Dilution Factor: 1					
Cobalt	99	(75 - 125)			SW846 6020	06/09-06/19/06	6160308
	98	(75 - 125)	0.65	(0-20)	SW846 6020	06/09-06/19/06	6160308
		Dilution Factor: 1					
Copper	94	(75 - 125)			SW846 6020	06/09-06/19/06	6160308
	93	(75 - 125)	1.3	(0-20)	SW846 6020	06/09-06/19/06	6160308
		Dilution Factor: 1					
Lead	100	(75 - 125)			SW846 6020	06/09-06/19/06	6160308
	101	(75 - 125)	1.4	(0-20)	SW846 6020	06/09-06/19/06	6160308
		Dilution Factor: 1					
Manganese	100	(75 - 125)			SW846 6020	06/09-06/19/06	6160308
	100	(75 - 125)	0.0	(0-20)	SW846 6020	06/09-06/19/06	6160308
		Dilution Factor: 1					
Molybdenum	98	(75 - 125)			SW846 6020	06/09-06/19/06	6160308
	98	(75 - 125)	0.34	(0-20)	SW846 6020	06/09-06/19/06	6160308
		Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6F020224 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Nickel	96	(75 - 125)			SW846 6020	06/09-06/19/06	6160308
	96	(75 - 125)	0.76	(0-20)	SW846 6020	06/09-06/19/06	6160308
		Dilution Factor: 1					
Selenium	93	(75 - 125)			SW846 6020	06/09-06/19/06	6160308
	93	(75 - 125)	0.49	(0-20)	SW846 6020	06/09-06/19/06	6160308
		Dilution Factor: 1					
Silver	98	(75 - 125)			SW846 6020	06/09-06/19/06	6160308
	99	(75 - 125)	1.0	(0-20)	SW846 6020	06/09-06/19/06	6160308
		Dilution Factor: 1					
Vanadium	97	(75 - 125)			SW846 6020	06/09-06/19/06	6160308
	97	(75 - 125)	0.17	(0-20)	SW846 6020	06/09-06/19/06	6160308
		Dilution Factor: 1					
Zinc	91	(75 - 125)			SW846 6020	06/09-06/19/06	6160308
	92	(75 - 125)	0.14	(0-20)	SW846 6020	06/09-06/19/06	6160308
		Dilution Factor: 1					
Aluminum	100	(75 - 125)			SW846 6010B	06/09-06/15/06	6160312
	100	(75 - 125)	0.68	(0-20)	SW846 6010B	06/09-06/15/06	6160312
		Dilution Factor: 1					
Calcium	96	(75 - 125)			SW846 6010B	06/09-06/15/06	6160312
	98	(75 - 125)	1.6	(0-20)	SW846 6010B	06/09-06/15/06	6160312
		Dilution Factor: 1					
Iron	100	(75 - 125)			SW846 6010B	06/09-06/15/06	6160312
	99	(75 - 125)	0.89	(0-20)	SW846 6010B	06/09-06/15/06	6160312
		Dilution Factor: 1					
Magnesium	98	(75 - 125)			SW846 6010B	06/09-06/15/06	6160312
	99	(75 - 125)	1.8	(0-20)	SW846 6010B	06/09-06/15/06	6160312
		Dilution Factor: 1					
Sodium	95	(75 - 125)			SW846 6010B	06/09-06/15/06	6160312
	96	(75 - 125)	1.2	(0-20)	SW846 6010B	06/09-06/15/06	6160312
		Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6F020224 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Mercury	101	(75 - 125)			SW846 7471A	06/15-06/16/06	6167316
	101	(75 - 125)	0.0	(0-20)	SW846 7471A	06/15-06/16/06	6167316

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-0653

General Chemistry

Lot-Sample #...: G6F020224-001 Work Order #...: H6LT9 Matrix.....: AIR
Date Sampled...: 05/31/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0138	0.0001	g	CFR50J APDX J	06/07-06/08/06	6160470

Brown and Caldwell

Client Sample ID: P-0654

General Chemistry

Lot-Sample #...: G6F020224-002 **Work Order #...:** H6LVC **Matrix.....:** AIR
Date Sampled...: 05/31/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0131	0.0001	g	CFR50J APDX J	06/07-06/08/06	6160470

Brown and Caldwell

Client Sample ID: P-0655

General Chemistry

Lot-Sample #...: G6F020224-003 **Work Order #...:** H6LVD **Matrix.....:** AIR
Date Sampled...: 05/31/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	**0.0154**	**0.0001**	**g**	**CFR50J APDX J**	**06/07-06/08/06**	**6160470**

Brown and Caldwell

Client Sample ID: P-0656

General Chemistry

Lot-Sample #...: G6F020224-004 **Work Order #...:** H6LVE **Matrix.....:** AIR
Date Sampled...: 05/31/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	**0.0235**	**0.0001**	**g**	**CFR50J APDX J**	**06/07-06/08/06**	**6160470**

Brown and Caldwell

Client Sample ID: P-0657

General Chemistry

Lot-Sample #...: G6F020224-005 Work Order #...: H6LVF Matrix.....: AIR
Date Sampled...: 05/31/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0139	0.0001	g	CFR50J APDX J	06/07-06/08/06	6160470

Brown and Caldwell

Client Sample ID: P-0658

General Chemistry

Lot-Sample #...: G6F020224-006 Work Order #...: H6LVH Matrix.....: AIR
Date Sampled...: 05/31/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0145	0.0001	g	CFR50J APDX J	06/07-06/08/06	6160470

Brown and Caldwell

Client Sample ID: P-0659

General Chemistry

Lot-Sample #...: G6F020224-007 Work Order #...: H6LVK Matrix.....: AIR
Date Sampled...: 05/31/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0135	0.0001	g	CFR50J APDX J	06/07-06/08/06	6160470

Brown and Caldwell

Client Sample ID: 000480

General Chemistry

Lot-Sample #...: G6F020224-008 Work Order #...: H6LVL Matrix.....: AIR
Date Sampled...: 05/31/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0452	0.0001	g	CFR50B APDX B	06/07-06/08/06	6160459

Brown and Caldwell

Client Sample ID: 000481

General Chemistry

Lot-Sample #...: G6F020224-009 Work Order #...: H6LVM Matrix.....: AIR
Date Sampled...: 05/31/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0339	0.0001	g	CFR50B APDX B	06/07-06/08/06	6160459

Brown and Caldwell

Client Sample ID: 000482

General Chemistry

Lot-Sample #...: G6F020224-010 **Work Order #...:** H6LVN **Matrix.....:** AIR
Date Sampled...: 05/31/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0348	0.0001	g	CFR50B APDX B	06/07-06/08/06	6160459

Brown and Caldwell

Client Sample ID: 000483

General Chemistry

Lot-Sample #...: G6F020224-011 Work Order #...: H6LVQ Matrix.....: AIR
Date Sampled...: 05/31/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0571	0.0001	g	CFR50B APDX B	06/07-06/08/06	6160459

Brown and Caldwell

Client Sample ID: 000484

General Chemistry

Lot-Sample #...: G6F020224-012 Work Order #...: H6LVR Matrix.....: AIR
Date Sampled...: 05/31/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0403	0.0001	g	CFR50B APDX B	06/07-06/08/06	6160459

Brown and Caldwell

Client Sample ID: 000485

General Chemistry

Lot-Sample #...: G6F020224-013 Work Order #...: H6LVT Matrix.....: AIR
Date Sampled...: 05/31/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0400	0.0001	g	CFR50B APDX B	06/07-06/08/06	6160459

Brown and Caldwell

Client Sample ID: 000486

General Chemistry

Lot-Sample #...: G6F020224-014 Work Order #...: H6LVV Matrix.....: AIR
Date Sampled...: 05/31/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0005	0.0001	g	CFR50B APDX B	06/07-06/08/06	6160459

AIR, Metals – Various Methods

Raw Data Package

ICP

G6F020224

STL Sacramento

RUN SUMMARY

Method: 6010 PE ICP2 (P05) Reported: 06/16/06 10:01:50

File ID: JUN1506AX.csv Analyst: WONGA

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	Calib_Blank_				1.0	06/15/06 11:07		☐
2	ZZZZZ				1.0	06/15/06 11:11		☐
3	Calib Std 1				1.0	06/15/06 11:16		☐
4	Calib Std 2				1.0	06/15/06 11:18		☐
5	ICV4				1.0	06/15/06 11:20		☐
6	ICB				1.0	06/15/06 11:23		☐
7	PQL				1.0	06/15/06 11:26		☐
8	ICSA				1.0	06/15/06 11:30		☐
9	ICSAB_4.0				1.0	06/15/06 11:32		☐
10	FB1815158				1.0	06/15/06 11:39	rerun Ca, Na	☐
11	H64HQB	G6F090000	6160323	2A	1.0	06/15/06 11:43		☐
12	H64HQC	G6F090000	6160323	2A	1.0	06/15/06 11:46		☐
13	H64HQL	G6F090000	6160323	2A	1.0	06/15/06 11:49		☐
14	H6LTF	G6F020219-1	6160323	2A	1.0	06/15/06 11:53		☐
15	H6LTFP5	G6F020219	6160323		5.0	06/15/06 11:56		☐
16	H6LTFZ	G6F020219-1	6160323		1.0	06/15/06 12:00		☐
17	CCV				1.0	06/15/06 12:03	Ca, Na rsd↑	☐
18	CCB				1.0	06/15/06 12:06		☐
19	H6LTG	G6F020219-2	6160323	2A	1.0	06/15/06 12:09	rerun Ca, Na	☐
20	H6LTH	G6F020219-3	6160323	2A	1.0	06/15/06 12:13		☐
21	H6LTK	G6F020219-4	6160323	2A	1.0	06/15/06 12:16		☐
22	H6LTL	G6F020219-5	6160323	2A	1.0	06/15/06 12:20		☐
23	H6LTM	G6F020219-6	6160323	2A	1.0	06/15/06 12:24		☐
24	H6LTN	G6F020219-7	6160323	2A	1.0	06/15/06 12:27		☐
25	H6LTQ	G6F020219-8	6160323	2A	1.0	06/15/06 12:31		☐
26	H6LTV	G6F020219-9	6160323	2A	1.0	06/15/06 12:34		☐
27	H6LTX	G6F020219-10	6160323	2A	1.0	06/15/06 12:38		☐
28	H6LT1	G6F020219-11	6160323	2A	1.0	06/15/06 12:41		☐
29	CCV				1.0	06/15/06 12:44		☐
30	CCB				1.0	06/15/06 12:47		☐
31	H6LT2	G6F020219-12	6160323	2A	1.0	06/15/06 12:50		☐
32	H6LT4	G6F020219-13	6160323	2A	1.0	06/15/06 12:54		☐
33	FB1815158				1.0	06/15/06 12:57		☐
34	H64GVB	G6F090000	6160312	2A	1.0	06/15/06 13:01		☐
35	H64GVC	G6F090000	6160312	2A	1.0	06/15/06 13:05		☐
36	H64GVL	G6F090000	6160312	2A	1.0	06/15/06 13:07		☐
37	H6LT9	G6F020224-1	6160312	2A	1.0	06/15/06 13:11		☐
38	H6LT9P5	G6F020224	6160312		5.0	06/15/06 13:14		☐
39	H6LT9Z	G6F020224-1	6160312		1.0	06/15/06 13:18		☐
40	CCV				1.0	06/15/06 13:22		☐
41	CCB				1.0	06/15/06 13:24		☐
42	H6LVC	G6F020224-2	6160312	2A	1.0	06/15/06 13:27		☐
43	H6LVD	G6F020224-3	6160312	2A	1.0	06/15/06 13:31		☐
44	H6LVE	G6F020224-4	6160312	2A	1.0	06/15/06 13:35		☐
45	H6LVF	G6F020224-5	6160312	2A	1.0	06/15/06 13:38		☐
46	CCV				1.0	06/15/06 14:05		☐

STL Sacramento

RUN SUMMARY

Method: 6010 PE ICP2 (P05) Reported: 06/16/06 10:01:50

File ID: JUN1506AX.csv **Analyst: WONGA**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
47	CCB				1.0	06/15/06 14:07		☐
48	H6LVH	G6F020224-6	6160312	2A	1.0	06/15/06 14:12		☐
49	H6LVK	G6F020224-7	6160312	2A	1.0	06/15/06 14:16		☐
50	H6LVL	G6F020224-8	6160312	2A	1.0	06/15/06 14:19		☐
51	H6LVM	G6F020224-9	6160312	2A	1.0	06/15/06 14:23		☐
52	H6LVN	G6F020224-10	6160312	2A	1.0	06/15/06 14:26		☐
53	H6LVQ	G6F020224-11	6160312	2A	1.0	06/15/06 14:30		☐
54	H6LVR	G6F020224-12	6160312	2A	1.0	06/15/06 14:34		☐
55	H6LVT	G6F020224-13	6160312	2A	1.0	06/15/06 14:37		☐
56	H6LVV	G6F020224-14	6160312	2A	1.0	06/15/06 14:41		☐
57	CCV				1.0	06/15/06 14:45		☐
58	CCB				1.0	06/15/06 14:48		☐

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6010 () PE ICP2 (P05) Reported: 06/16/06 10:01:50

File ID: JUN1506AX.csv **Analyst: WONGA**

#	Sample ID	Analyzed Date	In Axial	In Radial	Sc Axial	Sc Radial	Y_ Axial	Y_ Radial	Q
1	Calib_Blank_	06/15/06 11:07	0.0	0.0	0.0	0.0	0.0	0.0	☑
2	ZZZZZ	06/15/06 11:11	101.1	101.0	101.3	98.5	101.3	98.3	☑
3	Calib Std 1	06/15/06 11:16	0.0	0.0	0.0	0.0	0.0	0.0	☑
4	Calib Std 2	06/15/06 11:18	0.0	0.0	0.0	0.0	0.0	0.0	☑
5	ICV4	06/15/06 11:20	97.2	100.4	98.0	96.2	97.4	98.4	☑
6	ICB	06/15/06 11:23	102.4	101.0	101.5	98.7	101.4	98.4	☑
7	PQL	06/15/06 11:26	102.2	101.8	101.6	98.4	101.7	98.4	☑
8	ICSA	06/15/06 11:30	78.3	86.2	86.5	87.5	85.9	88.1	☑
9	ICSAB 4.0	06/15/06 11:32	79.2	85.9	86.9	86.3	86.0	86.7	☑
10	FB1815158	06/15/06 11:39	103.4	103.8	102.8	102.4	102.8	102.4	☑
11	H64HQB	06/15/06 11:43	104.4	102.8	103.4	100.7	103.6	100.8	☑
12	H64HQC	06/15/06 11:46	94.7	100.5	97.4	95.9	96.6	95.0	☑
13	H64HQL	06/15/06 11:49	94.9	99.7	97.4	97.7	96.7	96.8	☑
14	H6LTF	06/15/06 11:53	103.8	105.0	102.2	100.2	102.2	100.2	☑
15	H6LTFP5	06/15/06 11:56	104.5	102.7	103.7	102.0	103.7	101.8	☑
16	H6LTFZ	06/15/06 12:00	94.9	101.2	98.0	97.7	97.3	96.8	☑
17	CCV	06/15/06 12:03	95.9	101.0	99.3	98.8	98.4	98.3	☑
18	CCB	06/15/06 12:06	103.8	102.5	103.1	97.2	103.1	97.0	☑
19	H6LTG	06/15/06 12:09	106.2	104.9	105.2	102.1	105.2	102.1	☑
20	H6LTH	06/15/06 12:13	104.1	105.2	103.0	103.1	103.0	103.0	☑
21	H6LTK	06/15/06 12:16	103.2	105.9	101.8	103.5	101.6	103.6	☑
22	H6LTL	06/15/06 12:20	106.6	105.3	105.2	101.9	105.1	101.9	☑
23	H6LTM	06/15/06 12:24	103.7	105.6	102.3	102.1	102.4	101.9	☑
24	H6LTN	06/15/06 12:27	105.2	105.6	104.3	101.6	104.2	101.4	☑
25	H6LTQ	06/15/06 12:31	106.0	105.3	105.1	102.3	105.4	102.2	☑
26	H6LTV	06/15/06 12:34	106.1	106.0	105.1	101.5	105.0	101.5	☑
27	H6LTX	06/15/06 12:38	104.7	106.4	103.5	102.6	103.4	102.4	☑
28	H6LT1	06/15/06 12:41	106.6	108.4	104.0	102.9	103.8	102.8	☑
29	CCV	06/15/06 12:44	95.2	100.5	98.7	96.6	97.9	97.3	☑
30	CCB	06/15/06 12:47	102.0	102.5	101.7	99.0	101.7	99.0	☑
31	H6LT2	06/15/06 12:50	104.4	105.6	103.4	100.9	103.3	101.0	☑
32	H6LT4	06/15/06 12:54	104.4	105.4	103.4	102.1	103.6	102.0	☑
33	FB1815158	06/15/06 12:57	105.9	105.6	104.6	103.1	104.7	103.3	☑
34	H64GVB	06/15/06 13:01	104.9	105.6	103.8	102.4	103.9	102.5	☑
35	H64GVC	06/15/06 13:05	95.7	102.2	99.1	95.9	98.3	95.0	☑
36	H64GVL	06/15/06 13:07	94.5	102.7	99.4	99.2	98.5	98.2	☑
37	H6LT9	06/15/06 13:11	104.8	105.4	103.4	101.8	103.4	101.6	☑
38	H6LT9P5	06/15/06 13:14	103.9	103.7	103.3	100.7	103.3	100.6	☑
39	H6LT9Z	06/15/06 13:18	95.9	102.4	98.8	98.1	98.0	97.2	☑
40	CCV	06/15/06 13:22	96.1	103.1	99.5	98.6	98.6	99.0	☑
41	CCB	06/15/06 13:24	103.8	104.1	103.3	100.9	103.4	100.7	☑
42	H6LVC	06/15/06 13:27	103.7	106.5	102.6	100.8	102.7	100.8	☑
43	H6LVD	06/15/06 13:31	105.1	106.5	104.1	101.9	104.2	102.0	☑
44	H6LVE	06/15/06 13:35	104.5	107.0	103.3	103.2	103.3	103.2	☑
45	H6LVF	06/15/06 13:38	105.2	106.6	104.4	101.4	104.6	101.4	☑
46	CCV	06/15/06 14:05	92.8	95.0	93.0	88.9	91.5	87.9	☑

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6010 () PE ICP2 (P05) Reported: 06/16/06 10:01:50

File ID: JUN1506AX.csv **Analyst: WONGA**

#	Sample ID	Analyzed Date	In Axial	In Radial	Sc Axial	Sc Radial	Y_ Axial	Y_ Radial	Q
47	CCB	06/15/06 14:07	104.2	103.0	102.6	98.0	102.2	97.7	☑
48	H6LVH	06/15/06 14:12	102.1	102.5	99.3	96.6	99.1	96.4	☑
49	H6LVK	06/15/06 14:16	107.7	106.4	105.7	103.2	105.4	103.0	☑
50	H6LVL	06/15/06 14:19	103.1	106.4	101.3	102.8	101.0	102.3	☑
51	H6LVM	06/15/06 14:23	104.6	106.9	103.2	101.9	102.9	101.7	☑
52	H6LVN	06/15/06 14:26	105.0	106.4	103.1	103.9	103.0	103.7	☑
53	H6LVQ	06/15/06 14:30	103.3	107.2	101.9	103.7	101.6	103.6	☑
54	H6LVR	06/15/06 14:34	106.1	107.2	104.4	101.5	104.3	101.3	☑
55	H6LVT	06/15/06 14:37	105.7	107.2	104.4	101.6	104.2	101.5	☑
56	H6LVV	06/15/06 14:41	105.6	105.9	104.1	101.7	104.2	101.6	☑
57	CCV	06/15/06 14:45	95.7	101.8	98.7	97.8	97.8	97.1	☑
58	CCB	06/15/06 14:48	104.6	105.5	103.6	101.0	103.5	100.7	☑

STL Sacramento

ICP Data Review Checklist

SEVERN TRENT STL

Run/Project Information:

Run Date: 06/15/06 Analyst: AWONG Instrument: P05

Prep Batches Run: 6160323, 6160312

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: 06/16/06

Comments:

2nd Level Reviewer : [signature] Date: 6/19/06

Comments:

STL Sacramento

Method 6010B Instrument QC Standards

Chemist: AWong

Run Date: 06/15/06

Type of Analysis: Trace ICP (AirTox)

Instrument ID: P05

Standard Expiration Dates Verified: 06/15/06

Standard Name	Standard Logbook ID
STD0 (Cal Blank) / ICB / CCB	2696-16-6
STD1 (Cal Std 1)	2680-66
STD2 (Cal Std 2)	2680-67
STD3 (Cal Std 3)	NA
STD4 (Cal Std 4)	NA
ICV	2680-42
ICV2	NA
PQLCRI	1750-018-3
ICSA	2680-69
ICSAB	2680-70
CCV	2680-68
Internal Standard	2696-19-1

QA – 416
ERS 2/1/01

6/15/2006 10:53:41 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	601239.3
-1.6	15.0	772437.5
-1.2	15.0	1017907.6
-0.8	15.0	1219118.4
-0.4	15.0	1273258.6
0.0	15.0	1301775.1
0.4	15.0	1181067.6
0.8	15.0	1000632.6
1.2	15.0	780355.7
1.6	15.0	570762.0
2.0	15.0	404902.5
0.0	10.0	8685.4
0.0	10.5	57046.8
0.0	11.0	97634.7
0.0	11.5	154113.4
0.0	12.0	238755.6
0.0	12.5	483655.4
0.0	13.0	661030.0
0.0	13.5	883219.9
0.0	14.0	1057605.1
0.0	14.5	1284052.9
0.0	15.0	1284659.5
0.0	15.5	1201942.5
0.0	16.0	1098844.0
0.0	16.5	690713.0
0.0	17.0	540263.2
0.0	17.5	385086.5
0.0	18.0	259235.0
0.0	18.5	166217.0
0.0	19.0	60760.6
0.0	19.5	28426.6
0.0	20.0	5845.5
-0.8	15.0	1138211.7
-0.4	15.0	1269254.5
0.0	15.0	1240868.7
0.4	15.0	1147248.9
0.8	15.0	966561.1
-0.4	13.0	707747.2
-0.4	13.5	878500.1
-0.4	14.0	1066628.9
-0.4	14.5	1264445.7
-0.4	15.0	1252811.1
-0.4	15.5	1157645.7
-0.4	16.0	1036962.9
-0.4	16.5	690973.4
-0.4	17.0	521631.8

6/15/2006 10:56:49 AM aligned for analyte Mn 257.610
X viewing position set to -0.4 mm having Peak intensity 1264445.7 for Axial viewing
Y viewing position set to 14.5 mm having Peak intensity 1264445.7 for Axial viewing

Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	173.6
-6.5	15.0	209.7
-6.0	15.0	335.3
-5.5	15.0	592.8
-5.0	15.0	1159.2

-4.5	15.0	2299.0
-4.0	15.0	3999.5
-3.5	15.0	5683.2
-3.0	15.0	7738.8
-2.5	15.0	11381.4
-2.0	15.0	19135.4
-1.5	15.0	50402.2
-1.0	15.0	88733.6
-0.5	15.0	110291.6
0.0	15.0	113172.4
0.5	15.0	107098.3
1.0	15.0	80948.1
1.5	15.0	62757.2
2.0	15.0	42812.6
2.5	15.0	24389.6
3.0	15.0	9114.5
3.5	15.0	2752.1
4.0	15.0	2357.2
4.5	15.0	1125.1
5.0	15.0	507.1
5.5	15.0	237.0
6.0	15.0	137.7
6.5	15.0	109.6
7.0	15.0	90.8

6/15/2006 10:59:43 AM aligned for analyte Mn 257.610
X viewing position set to 0.0 mm having Peak intensity 113172.4 for Radial viewing

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

Autosampler Location: 5
Date Collected: 6/15/2006 11:07:31 AM
Data Type: Reprocessed on 6/16/2006 9:23:27 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Blank_1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	337464.5	1992.64	0.59%	100.00	%
In Radial	16306.7	30.84	0.19%	100.00	%
Y_ Axial	1286828.8	7746.42	0.60%	100.00	%
Y_ Radial	141547.4	2857.40	2.02%	100.00	%
Sc Axial	1406199.7	9344.50	0.66%	100.00	%
Sc Radial	152723.2	3217.09	2.11%	100.00	%
Al_1 396.153 Rt	96.2	54.36	56.51%	[0.00]	mg/L
Al_2 308.215 Rt	129.4	12.40	9.58%	[0.00]	mg/L
Ca 315.887 Rt	-332.4	22.42	6.74%	[0.00]	mg/L
Fe_1 273.955†	68.4	2.32	3.40%	[0.00]	mg/L
Fe_2 238.863 Rt	38.0	1.14	2.99%	[0.00]	mg/L
Li 670.784 Rt	411.2	71.27	17.33%	[0.00]	mg/L
Mg 279.077 Rt	-88.2	2.21	2.51%	[0.00]	mg/L
Na_1 589.592 Rt	4426.7	79.80	1.80%	[0.00]	mg/L
Na_2 330.237 Rt	41.6	20.94	50.39%	[0.00]	mg/L
Zn 206.200†	20.1	0.86	4.30%	[0.00]	mg/L

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

Autosampler Location: 5
Date Collected: 6/15/2006 11:11:03 AM
Data Type: Reprocessed on 6/16/2006 9:23:53 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ZZZZZ

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	341154.3	101.09	%	0.525				0.52%
In Radial	16463.1	100.96	%	1.786				1.77%
Y_ Axial	1303005.7	101.26	%	0.368				0.36%
Y_ Radial	139084.8	98.260	%	0.9721				0.99%
Sc Axial	1424005.9	101.27	%	0.398				0.39%
Sc Radial	150459.1	98.518	%	1.0726				1.09%
Al_1 396.153 R†	-58.9						12.32	20.93%
Al_2 308.215 R†	6.3						17.49	279.16%
Ca 315.887 R†	-9.2						0.11	1.22%
Fe_1 273.955†	-35.1						37.54	106.94%
Fe_2 238.863 R†	0.6						7.35	>999.9%
Li 670.784 R†	-168.8						144.41	85.57%
Mg 279.077 R†	-0.8						1.52	192.83%
Na_1 589.592 R†	-236.7						26.77	11.31%
Na_2 330.237 R†	-4.5						2.58	56.89%
Zn 206.200†	-2.4						1.80	75.88%

Sequence No.: 3
Sample ID: Calib_Std_1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 6/15/2006 11:16:07 AM
Data Type: Reprocessed on 6/16/2006 9:23:56 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Std_1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	306282.6	826.87	0.27%	90.760	%
In Radial	15533.6	184.11	1.19%	95.259	%
Y_ Axial	1231016.9	3381.44	0.27%	95.663	%
Y_ Radial	133913.5	972.86	0.73%	94.607	%
Sc Axial	1361034.7	4073.74	0.30%	96.788	%
Sc Radial	145550.6	888.47	0.61%	95.304	%
Al_1 396.153 R†	606280.8	971.73	0.16%	[50]	mg/L
Al_2 308.215 R†	175653.4	429.75	0.24%	[50]	mg/L
Ca 315.887 R†	888418.3	200.25	0.02%	[50]	mg/L
Fe_1 273.955†	2436031.3	4622.97	0.19%	[50]	mg/L
Fe_2 238.863 R†	56279.8	4.19	0.01%	[50]	mg/L
Mg 279.077 R†	108509.3	41.60	0.04%	[50]	mg/L
Na_1 589.592 R†	540331.4	1484.37	0.27%	[50]	mg/L
Na_2 330.237 R†	3753.8	13.70	0.37%	[50]	mg/L
Zn 206.200†	156849.8	328.40	0.21%	[5.0]	mg/L

Sequence No.: 4
Sample ID: Calib_Std_2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/15/2006 11:18:25 AM
Data Type: Reprocessed on 6/16/2006 9:23:57 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Std_2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	261149.8	357.46	0.14%	77.386	%
In Radial	14152.1	373.77	2.64%	86.787	%
Y_ Axial	1113396.3	3798.17	0.34%	86.522	%
Y_ Radial	123889.2	2627.71	2.12%	87.525	%
Sc Axial	1229820.0	3635.23	0.30%	87.457	%
Sc Radial	134000.1	2845.23	2.12%	87.740	%
Al_2 308.215 Rt	891633.7	21724.89	2.44%	[250]	mg/L
Ca 315.887 Rt	4387601.0	114469.47	2.61%	[250]	mg/L
Fe_2 238.863 Rt	275689.4	7032.98	2.55%	[250]	mg/L
Mg 279.077 Rt	530284.8	14138.43	2.67%	[250]	mg/L
Na_1 589.592 Rt	2786716.5	69682.74	2.50%	[250]	mg/L
Na_2 330.237 Rt	17835.6	68.85	0.39%	[250]	mg/L

Sequence No.: 5
Sample ID: ICV4
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 6/15/2006 11:20:49 AM
Data Type: Reprocessed on 6/16/2006 9:23:58 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ICV4

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
In Axial	328173.3	97.247	%	0.2398				0.25%
In Radial	16368.4	100.38	%	0.406				0.40%
Y_ Axial	1252913.4	97.364	%	0.5151				0.53%
Y_ Radial	139249.6	98.377	%	0.1155				0.12%
Sc Axial	1378161.0	98.006	%	0.4773				0.49%
Sc Radial	146923.5	96.202	%	0.2180				0.23%
Al_1 396.153 R†	119673.9	9.8695	mg/L	0.01078	9.8695	mg/L	0.01078	0.11%
Al_2 308.215 R†	35625.7	9.9946	mg/L	0.01147	9.9946	mg/L	0.01147	0.11%
Ca 315.887 R†	176654.0	10.061	mg/L	0.0143	10.061	mg/L	0.0143	0.14%
Fe_1 273.955†	512142.4	10.512	mg/L	0.0695	10.512	mg/L	0.0695	0.66%
Fe_2 238.863 R†	11513.4	10.432	mg/L	0.0255	10.432	mg/L	0.0255	0.24%
Mg 279.077 R†	22340.4	10.523	mg/L	0.0210	10.523	mg/L	0.0210	0.20%
Na_1 589.592 R†	108457.9	9.7413	mg/L	0.00685	9.7413	mg/L	0.00685	0.07%
Na_2 330.237 R†	767.3	10.130	mg/L	0.3998	10.130	mg/L	0.3998	3.95%
Zn 206.200†	32907.7	1.0490	mg/L	0.00806	1.0490	mg/L	0.00806	0.77%

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

Autosampler Location: 12
Date Collected: 6/15/2006 11:23:11 AM
Data Type: Reprocessed on 6/16/2006 9:23:59 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	345533.2	102.39	%	0.335				0.33%
In Radial	16475.0	101.03	%	0.003				0.00%
Y_ Axial	1304873.4	101.40	%	2.526				2.49%
Y_ Radial	139335.3	98.437	%	2.2895				2.33%
Sc Axial	1427627.6	101.52	%	2.523				2.49%
Sc Radial	150722.5	98.690	%	2.2686				2.30%
Al_1 396.153 R†	10.5	0.00087	mg/L	0.000640	0.00087	mg/L	0.000640	73.72%
Al_2 308.215 R†	27.2	0.00762	mg/L	0.000529	0.00762	mg/L	0.000529	6.93%
Ca 315.887 R†	16.3	0.00093	mg/L	0.000646	0.00093	mg/L	0.000646	69.75%
Fe_1 273.955†	224.5	0.00461	mg/L	0.001233	0.00461	mg/L	0.001233	26.76%
Fe_2 238.863 R†	7.6	0.00687	mg/L	0.005920	0.00687	mg/L	0.005920	86.22%
Mg 279.077 R†	-4.4	-0.00209	mg/L	0.001515	-0.00209	mg/L	0.001515	72.31%
Na_1 589.592 R†	631.6	0.05673	mg/L	0.006370	0.05673	mg/L	0.006370	11.23%
Na_2 330.237 R†	-2.3	-0.03277	mg/L	0.277746	-0.03277	mg/L	0.277746	847.57%
Zn 206.200†	9.0	0.00029	mg/L	0.000069	0.00029	mg/L	0.000069	23.96%

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

Autosampler Location: 38
Date Collected: 6/15/2006 11:26:49 AM
Data Type: Reprocessed on 6/16/2006 9:24:00 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	344887.6	102.20	%	2.131				2.08%
In Radial	16596.3	101.78	%	0.333				0.33%
Y_ Axial	1309235.0	101.74	%	2.283				2.24%
Y_ Radial	139337.5	98.439	%	0.4921				0.50%
Sc Axial	1428829.6	101.61	%	2.274				2.24%
Sc Radial	150317.5	98.425	%	0.2976				0.30%
Al_1 396.153 Rt	1258.0	0.10375	mg/L	0.001375	124.55	mg/L	1.650	1.33%
Al_2 308.215 Rt	369.2	0.10357	mg/L	0.001649	124.34	mg/L	1.979	1.59%
Ca 315.887 Rt	2428.8	0.13832	mg/L	0.000034	166.05	mg/L	0.040	0.02%
Fe_1 273.955†	1592.7	0.03269	mg/L	0.003723	39.244	mg/L	4.4690	11.39%
Fe_2 238.863 Rt	32.1	0.02904	mg/L	0.003924	34.866	mg/L	4.7103	13.51%
Mg 279.077 Rt	221.5	0.10433	mg/L	0.002417	125.25	mg/L	2.901	2.32%
Na_1 589.592 Rt	3090.3	0.27756	mg/L	0.010015	333.20	mg/L	12.023	3.61%
Na_2 330.237 Rt	15.7	0.21474	mg/L	0.051527	257.79	mg/L	61.857	23.99%
Zn 206.200†	200.4	0.00639	mg/L	0.000065	7.6695	mg/L	0.07857	1.02%

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

Autosampler Location: 14
Date Collected: 6/15/2006 11:30:24 AM
Data Type: Reprocessed on 6/16/2006 9:24:01 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	264255.2	78.306	%	0.3911				0.50%
In Radial	14056.2	86.199	%	0.0955				0.11%
Y_ Axial	1105506.2	85.909	%	0.1395				0.16%
Y_ Radial	124672.2	88.078	%	0.2383				0.27%
Sc Axial	1216063.6	86.479	%	0.3129				0.36%
Sc Radial	133655.3	87.515	%	0.0205				0.02%
Al_1 396.153 R†	6217724.5	512.78	mg/L	1.954	512.78	mg/L	1.954	0.38%
Al_2 308.215 R†	1791022.9	502.46	mg/L	9.756	502.46	mg/L	9.756	1.94%
Ca 315.887 R†	8694014.2	495.14	mg/L	2.239	495.14	mg/L	2.239	0.45%
Fe_1 273.955†	9197307.0	188.78	mg/L	0.856	188.78	mg/L	0.856	0.45%
Fe_2 238.863 R†	214810.4	194.64	mg/L	0.400	194.64	mg/L	0.400	0.21%
Mg 279.077 R†	1045378.7	492.40	mg/L	11.158	492.40	mg/L	11.158	2.27%
Na_1 589.592 R†	213.6	0.01919	mg/L	0.012025	0.01919	mg/L	0.012025	62.67%
Na_2 330.237 R†	32.5	-1.1689	mg/L	1.13585	-1.1689	mg/L	1.13585	97.17%
Zn 206.200†	339.4	0.01082	mg/L	0.000895	0.01082	mg/L	0.000895	8.27%

Sequence No.: 9
Sample ID: ICSAB_4.0
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 6/15/2006 11:32:56 AM
Data Type: Reprocessed on 6/16/2006 9:24:02 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ICSAB_4.0

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
In Axial	267313.7	79.212	%	1.1815				1.49%
In Radial	14014.3	85.942	%	0.8170				0.95%
Y_ Axial	1107094.5	86.033	%	1.3315				1.55%
Y_ Radial	122741.8	86.714	%	0.7522				0.87%
Sc Axial	1222119.1	86.909	%	1.3959				1.61%
Sc Radial	131724.0	86.250	%	0.5275				0.61%
Al_1 396.153 R†	6317641.7	521.02	mg/L	9.533	521.02	mg/L	9.533	1.83%
Al_2 308.215 R†	1838733.8	515.85	mg/L	7.144	515.85	mg/L	7.144	1.38%
Ca 315.887 R†	8788040.8	500.49	mg/L	10.268	500.49	mg/L	10.268	2.05%
Fe_1 273.955†	9162637.6	188.06	mg/L	0.281	188.06	mg/L	0.281	0.15%
Fe_2 238.863 R†	214875.2	194.70	mg/L	0.531	194.70	mg/L	0.531	0.27%
Mg 279.077 R†	1079541.0	508.49	mg/L	8.448	508.49	mg/L	8.448	1.66%
Na_1 589.592 R†	-21.6	-0.00194	mg/L	0.017052	-0.00194	mg/L	0.017052	879.94%
Na_2 330.237 R†	40.7	-1.6222	mg/L	0.38426	-1.6222	mg/L	0.38426	23.69%
Zn 206.200†	30092.5	0.95928	mg/L	0.031686	0.95928	mg/L	0.031686	3.30%

Sequence No.: 10
Sample ID: FB1815158
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 6/15/2006 11:39:26 AM
Data Type: Reprocessed on 6/16/2006 9:24:04 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	348981.6	103.41	%	0.396				0.38%
In Radial	16931.2	103.83	%	0.707				0.68%
Y_ Axial	1323411.4	102.84	%	0.332				0.32%
Y_ Radial	144959.5	102.41	%	0.604				0.59%
Sc Axial	1445642.7	102.80	%	0.286				0.28%
Sc Radial	156315.6	102.35	%	0.729				0.71%
Al_1 396.153 R†	113.5	0.00936	mg/L	0.001026	11.237	mg/L	1.2313	10.96%
Al_2 308.215 R†	55.2	0.01549	mg/L	0.003268	18.596	mg/L	3.9227	21.09%
Ca 315.887 R†	4563.9	0.25992	mg/L	0.002230	312.03	mg/L	2.677	0.86%
Fe_1 273.955†	717.4	0.01473	mg/L	0.000176	17.677	mg/L	0.2111	1.19%
Fe_2 238.863 R†	22.4	0.02026	mg/L	0.000477	24.317	mg/L	0.5727	2.36%
Mg 279.077 R†	73.4	0.03456	mg/L	0.001248	41.490	mg/L	1.4981	3.61%
Na_1 589.592 R†	4714.2	0.42341	mg/L	0.005070	508.30	mg/L	6.087	1.20%
Na_2 330.237 R†	-5.0	-0.07314	mg/L	0.085301	-87.807	mg/L	102.4027	116.62%
Zn 206.200†	76.2	0.00243	mg/L	0.000004	2.9179	mg/L	0.00487	0.17%

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

Autosampler Location: 7
Date Collected: 6/15/2006 12:03:39 PM
Data Type: Reprocessed on 6/16/2006 9:24:12 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	323472.5	95.854	%	0.5189				0.54%	
In Radial	16471.2	101.01	%	2.853				2.82%	
Y_ Axial	1265856.5	98.370	%	0.2994				0.30%	
Y_ Radial	139106.0	98.275	%	1.8337				1.87%	
Sc Axial	1395978.5	99.273	%	0.3871				0.39%	
Sc Radial	150829.7	98.760	%	1.9687				1.99%	
Al_1 396.153 R†	293240.8	24.184	mg/L	1.2032	24.184	mg/L	1.2032	4.98%	
Al_2 308.215 R†	86495.5	24.266	mg/L	0.1092	24.266	mg/L	0.1092	0.45%	
Ca 315.887 R†	433288.3	24.676	mg/L	1.3857	24.676	mg/L	1.3857	5.62%	✓
Fe_1 273.955†	1209134.0	24.818	mg/L	0.0351	24.818	mg/L	0.0351	0.14%	
Fe_2 238.863 R†	27820.9	25.208	mg/L	0.2146	25.208	mg/L	0.2146	0.85%	
Mg 279.077 R†	53616.6	25.255	mg/L	0.0877	25.255	mg/L	0.0877	0.35%	
Na_1 589.592 R†	263985.2	23.710	mg/L	1.2119	23.710	mg/L	1.2119	5.11%	✓
Na_2 330.237 R†	1871.6	24.750	mg/L	0.0233	24.750	mg/L	0.0233	0.09%	
Zn 206.200†	78077.5	2.4889	mg/L	0.00013	2.4889	mg/L	0.00013	0.01%	

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

Autosampler Location: 5
Date Collected: 6/15/2006 12:06:02 PM
Data Type: Reprocessed on 6/16/2006 9:24:13 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
In Axial	350423.6	103.84	%	1.029				0.99%
In Radial	16711.3	102.48	%	1.092				1.07%
Y_ Axial	1326268.6	103.06	%	1.069				1.04%
Y_ Radial	137231.0	96.951	%	2.1968				2.27%
Sc Axial	1450485.3	103.15	%	1.127				1.09%
Sc Radial	148383.1	97.158	%	2.2454				2.31%
Al_1 396.153 Rt	32.1	0.00265	mg/L	0.005646	0.00265	mg/L	0.005646	213.26%
Al_2 308.215 Rt	17.3	0.00484	mg/L	0.003420	0.00484	mg/L	0.003420	70.66%
Ca 315.887 Rt	9.7	0.00055	mg/L	0.000808	0.00055	mg/L	0.000808	145.65%
Fe_1 273.955†	55.2	0.00113	mg/L	0.000130	0.00113	mg/L	0.000130	11.47%
Fe_2 238.863 Rt	13.6	0.01228	mg/L	0.006318	0.01228	mg/L	0.006318	51.45%
Mg 279.077 Rt	-3.9	-0.00181	mg/L	0.007648	-0.00181	mg/L	0.007648	421.40%
Na_1 589.592 Rt	493.0	0.04428	mg/L	0.008557	0.04428	mg/L	0.008557	19.33%
Na_2 330.237 Rt	3.7	0.05126	mg/L	0.168160	0.05126	mg/L	0.168160	328.03%
Zn 206.200†	6.2	0.00020	mg/L	0.000032	0.00020	mg/L	0.000032	16.29%

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

Autosampler Location: 7
Date Collected: 6/15/2006 12:44:47 PM
Data Type: Reprocessed on 6/16/2006 9:24:26 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	321220.0	95.186	%	0.2865				0.30%
In Radial	16396.0	100.55	%	0.830				0.83%
Y_ Axial	1260311.2	97.939	%	0.0887				0.09%
Y_ Radial	137730.5	97.303	%	1.0421				1.07%
Sc Axial	1388074.8	98.711	%	0.1386				0.14%
Sc Radial	147598.0	96.644	%	2.0080				2.08%
Al_1 396.153 R†	296963.0	24.491	mg/L	0.1896	24.491	mg/L	0.1896	0.77%
Al_2 308.215 R†	87673.0	24.596	mg/L	0.0012	24.596	mg/L	0.0012	0.00%
Ca 315.887 R†	439684.8	25.041	mg/L	0.2834	25.041	mg/L	0.2834	1.13%
Fe_1 273.955†	1226232.5	25.169	mg/L	0.0364	25.169	mg/L	0.0364	0.14%
Fe_2 238.863 R†	28381.9	25.717	mg/L	0.0400	25.717	mg/L	0.0400	0.16%
Mg 279.077 R†	54767.8	25.797	mg/L	0.0691	25.797	mg/L	0.0691	0.27%
Na_1 589.592 R†	266318.8	23.920	mg/L	0.1652	23.920	mg/L	0.1652	0.69%
Na_2 330.237 R†	1928.3	25.518	mg/L	1.4160	25.518	mg/L	1.4160	5.55%
Zn 206.200†	79433.8	2.5322	mg/L	0.00350	2.5322	mg/L	0.00350	0.14%

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

Autosampler Location: 5
Date Collected: 6/15/2006 12:47:03 PM
Data Type: Reprocessed on 6/16/2006 9:24:27 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	344064.8	101.96	%	1.400				1.37%
In Radial	16716.5	102.51	%	0.071				0.07%
Y_ Axial	1308191.1	101.66	%	1.012				1.00%
Y_ Radial	140121.1	98.992	%	1.7093				1.73%
Sc Axial	1429781.6	101.68	%	0.956				0.94%
Sc Radial	151129.2	98.956	%	1.7118				1.73%
Al_1 396.153 R†	0.8	0.00006	mg/L	0.001141	0.00006	mg/L	0.001141	>999.9%
Al_2 308.215 R†	2.8	0.00078	mg/L	0.000444	0.00078	mg/L	0.000444	56.61%
Ca 315.887 R†	42.2	0.00240	mg/L	0.000547	0.00240	mg/L	0.000547	22.76%
Fe_1 273.955†	73.1	0.00150	mg/L	0.000373	0.00150	mg/L	0.000373	24.85%
Fe_2 238.863 R†	10.4	0.00945	mg/L	0.002078	0.00945	mg/L	0.002078	21.98%
Mg 279.077 R†	0.2	0.00012	mg/L	0.006522	0.00012	mg/L	0.006522	>999.9%
Na_1 589.592 R†	105.4	0.00947	mg/L	0.012396	0.00947	mg/L	0.012396	130.90%
Na_2 330.237 R†	-8.2	-0.11520	mg/L	0.081388	-0.11520	mg/L	0.081388	70.65%
Zn 206.200†	8.5	0.00027	mg/L	0.000009	0.00027	mg/L	0.000009	3.18%

Sequence No.: 33
Sample ID: FB1815158
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 6/15/2006 12:57:54 PM
Data Type: Reprocessed on 6/16/2006 9:24:32 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: FB1815158

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	357355.9	105.89	%	0.809				0.76%
In Radial	17220.5	105.60	%	0.644				0.61%
Y_ Axial	1347481.7	104.71	%	0.722				0.69%
Y_ Radial	146276.0	103.34	%	1.284				1.24%
Sc Axial	1471160.8	104.62	%	0.751				0.72%
Sc Radial	157524.1	103.14	%	1.222				1.19%
Al_1 396.153 R†	83.2	0.00686	mg/L	0.004021	8.2393	mg/L	4.82678	58.58%
Al_2 308.215 R†	33.7	0.00946	mg/L	0.001456	11.358	mg/L	1.7478	15.39%
Ca 315.887 R†	3664.6	0.20870	mg/L	0.000268	250.54	mg/L	0.321	0.13%
Fe_1 273.955†	556.6	0.01142	mg/L	0.000186	13.714	mg/L	0.2236	1.63%
Fe_2 238.863 R†	17.4	0.01580	mg/L	0.006925	18.965	mg/L	8.3132	43.83%
Mg 279.077 R†	53.0	0.02499	mg/L	0.002103	29.997	mg/L	2.5242	8.42%
Na_1 589.592 R†	4007.8	0.35996	mg/L	0.000978	432.13	mg/L	1.175	0.27%
Na_2 330.237 R†	11.1	0.15234	mg/L	0.075228	182.88	mg/L	90.310	49.38%
Zn 206.200†	87.5	0.00279	mg/L	0.000046	3.3493	mg/L	0.05507	1.64%

Sequence No.: 34
Sample ID: H64GVB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 6/15/2006 1:01:27 PM
Data Type: Reprocessed on 6/16/2006 9:24:33 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H64GVB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	354117.7	104.93	%	0.392				0.37%
In Radial	17213.8	105.56	%	0.469				0.44%
Y_ Axial	1337530.8	103.94	%	0.785				0.75%
Y_ Radial	145087.6	102.50	%	0.264				0.26%
Sc Axial	1459749.6	103.81	%	0.642				0.62%
Sc Radial	156400.7	102.41	%	0.313				0.31%
Al_1 396.153 R†	-21.5	-0.00177	mg/L	0.003049	-2.1250	mg/L	3.66031	172.25%
Al_2 308.215 R†	-5.6	-0.00156	mg/L	0.000474	-1.8787	mg/L	0.56863	30.27%
Ca 315.887 R†	2436.7	0.13878	mg/L	0.001449	166.60	mg/L	1.739	1.04%
Fe_1 273.955†	74.8	0.00154	mg/L	0.000040	1.8441	mg/L	0.04806	2.61%
Fe_2 238.863 R†	7.5	0.00678	mg/L	0.006168	8.1422	mg/L	7.40496	90.95%
Mg 279.077 R†	-2.3	-0.00107	mg/L	0.000159	-1.2868	mg/L	0.19089	14.83%
Na_1 589.592 R†	-34.7	-0.00312	mg/L	0.009025	-3.7426	mg/L	10.83469	289.50%
Na_2 330.237 R†	-17.0	-0.24027	mg/L	0.030721	-288.44	mg/L	36.880	12.79%
Zn 206.200†	67.0	0.00213	mg/L	0.000016	2.5623	mg/L	0.01902	0.74%

Sequence No.: 35
Sample ID: H64GVC
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 6/15/2006 1:05:00 PM
Data Type: Reprocessed on 6/16/2006 9:24:34 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H64GVC

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
In Axial	322803.4	95.656	%	2.0831				2.18%
In Radial	16661.4	102.18	%	0.454				0.44%
Y_ Axial	1264483.0	98.264	%	0.4437				0.45%
Y_ Radial	134428.6	94.971	%	1.4695				1.55%
Sc Axial	1393724.7	99.113	%	0.4735				0.48%
Sc Radial	146491.9	95.920	%	1.4214				1.48%
Al_1 396.153 R†	24137.8	1.9906	mg/L	0.01062	2389.7	mg/L	12.75	0.53%
Al_2 308.215 R†	7097.2	1.9911	mg/L	0.03979	2390.3	mg/L	47.76	2.00%
Ca 315.887 R†	845239.9	48.138	mg/L	0.0505	57788	mg/L	60.7	0.10%
Fe_1 273.955†	48491.5	0.99530	mg/L	0.019943	1194.8	mg/L	23.94	2.00%
Fe_2 238.863 R†	1183.5	1.0724	mg/L	0.01975	1287.3	mg/L	23.71	1.84%
Mg 279.077 R†	103548.5	48.774	mg/L	0.0233	58552	mg/L	28.0	0.05%
Na_1 589.592 R†	528301.6	47.450	mg/L	0.0581	56963	mg/L	69.7	0.12%
Na_2 330.237 R†	3527.6	48.824	mg/L	1.0346	58612	mg/L	1242.0	2.12%
Zn 206.200†	15706.9	0.50070	mg/L	0.012149	601.08	mg/L	14.585	2.43%

Sequence No.: 36
Sample ID: H64GVL
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 6/15/2006 1:07:58 PM
Data Type: Reprocessed on 6/16/2006 9:24:36 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H64GVL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	319041.8	94.541	%	0.9327				0.99%
In Radial	16746.7	102.70	%	0.530				0.52%
Y_ Axial	1267608.8	98.506	%	1.0688				1.09%
Y_ Radial	139045.7	98.233	%	0.3475				0.35%
Sc Axial	1398346.2	99.442	%	1.0186				1.02%
Sc Radial	151446.5	99.164	%	0.4685				0.47%
Al_1 396.153 R†	24303.1	2.0043	mg/L	0.00423	2406.1	mg/L	5.08	0.21%
Al_2 308.215 R†	6960.8	1.9528	mg/L	0.00032	2344.3	mg/L	0.39	0.02%
Ca 315.887 R†	858964.4	48.919	mg/L	0.1162	58727	mg/L	139.5	0.24%
Fe_1 273.955†	48061.1	0.98646	mg/L	0.003435	1184.2	mg/L	4.12	0.35%
Fe_2 238.863 R†	1151.1	1.0430	mg/L	0.00164	1252.1	mg/L	1.97	0.16%
Mg 279.077 R†	105403.3	49.648	mg/L	0.0317	59601	mg/L	38.1	0.06%
Na_1 589.592 R†	534663.5	48.022	mg/L	0.0450	57649	mg/L	54.0	0.09%
Na_2 330.237 R†	3485.2	48.230	mg/L	0.0159	57899	mg/L	19.1	0.03%
Zn 206.200†	15472.9	0.49324	mg/L	0.003092	592.12	mg/L	3.712	0.63%

Sequence No.: 37
Sample ID: H6LT9
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 6/15/2006 1:11:26 PM
Data Type: Reprocessed on 6/16/2006 9:24:37 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LT9

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	353663.6	104.80	%	0.697				0.67%
In Radial	17179.3	105.35	%	0.621				0.59%
Y_ Axial	1330729.1	103.41	%	0.408				0.39%
Y_ Radial	143881.2	101.65	%	2.371				2.33%
Sc Axial	1454532.9	103.44	%	0.467				0.45%
Sc Radial	155443.9	101.78	%	2.522				2.48%
Al_1 396.153 R†	1720.2	0.14187	mg/L	0.002144	170.31	mg/L	2.573	1.51%
Al_2 308.215 R†	504.5	0.14153	mg/L	0.003876	169.91	mg/L	4.653	2.74%
Ca 315.887 R†	6737.9	0.38373	mg/L	0.001954	460.66	mg/L	2.345	0.51%
Fe_1 273.955†	8179.7	0.16789	mg/L	0.001254	201.55	mg/L	1.506	0.75%
Fe_2 238.863 R†	180.0	0.16311	mg/L	0.004863	195.81	mg/L	5.838	2.98%
Mg 279.077 R†	252.9	0.11911	mg/L	0.004293	142.99	mg/L	5.153	3.60%
Na_1 589.592 R†	6057.8	0.54409	mg/L	0.003058	653.17	mg/L	3.671	0.56%
Na_2 330.237 R†	19.4	0.26620	mg/L	0.025271	319.56	mg/L	30.338	9.49%
Zn 206.200†	207.2	0.00661	mg/L	0.000278	7.9300	mg/L	0.33429	4.22%

Sequence No.: 38
Sample ID: H6LT9P5
Analyst: AWW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 63
Date Collected: 6/15/2006 1:14:59 PM
Data Type: Reprocessed on 6/16/2006 9:24:38 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LT9P5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	350760.1	103.94	%	1.096				1.05%
In Radial	16910.5	103.70	%	0.510				0.49%
Y_ Axial	1329145.3	103.29	%	1.076				1.04%
Y_ Radial	142394.9	100.60	%	2.233				2.22%
Sc Axial	1452628.8	103.30	%	1.101				1.07%
Sc Radial	153783.5	100.69	%	2.386				2.37%
Al_1 396.153 R†	399.8	0.03297	mg/L	0.004210	197.89	mg/L	25.273	12.77%
Al_2 308.215 R†	107.1	0.03005	mg/L	0.000090	180.35	mg/L	0.543	0.30%
Ca 315.887 R†	1382.8	0.07876	mg/L	0.001109	472.72	mg/L	6.655	1.41%
Fe_1 273.955†	1580.9	0.03245	mg/L	0.000258	194.77	mg/L	1.546	0.79%
Fe_2 238.863 R†	35.9	0.03256	mg/L	0.000211	195.41	mg/L	1.265	0.65%
Mg 279.077 R†	32.0	0.01508	mg/L	0.004345	90.515	mg/L	26.0803	28.81%
Na_1 589.592 R†	1185.6	0.10649	mg/L	0.008736	639.19	mg/L	52.439	8.20%
Na_2 330.237 R†	-3.2	-0.04818	mg/L	0.340343	-289.18	mg/L	2042.872	706.44%
Zn 206.200†	140.4	0.00448	mg/L	0.000115	26.869	mg/L	0.6886	2.56%

Sequence No.: 39
Sample ID: H6LT9Z
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 64
Date Collected: 6/15/2006 1:18:32 PM
Data Type: Reprocessed on 6/16/2006 9:24:39 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LT9Z

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	323537.7	95.873	%	1.4733				1.54%
In Radial	16690.7	102.35	%	0.516				0.50%
Y_ Axial	1260508.3	97.955	%	0.2681				0.27%
Y_ Radial	137570.9	97.191	%	2.1897				2.25%
Sc Axial	1389131.1	98.786	%	0.1570				0.16%
Sc Radial	149790.5	98.080	%	2.2813				2.33%
Al_1 396.153 R†	27671.4	2.2821	mg/L	0.00765	2739.6	mg/L	9.19	0.34%
Al_2 308.215 R†	7981.8	2.2393	mg/L	0.05666	2688.2	mg/L	68.02	2.53%
Ca 315.887 R†	913757.2	52.040	mg/L	0.0817	62473	mg/L	98.1	0.16%
Fe_1 273.955†	60081.4	1.2332	mg/L	0.02691	1480.4	mg/L	32.30	2.18%
Fe_2 238.863 R†	1418.6	1.2853	mg/L	0.03414	1543.0	mg/L	40.99	2.66%
Mg 279.077 R†	111641.6	52.586	mg/L	0.0641	63129	mg/L	76.9	0.12%
Na_1 589.592 R†	560633.1	50.354	mg/L	0.0322	60449	mg/L	38.7	0.06%
Na_2 330.237 R†	3675.1	50.841	mg/L	1.3150	61034	mg/L	1578.6	2.59%
Zn 206.200†	17143.0	0.54648	mg/L	0.014330	656.04	mg/L	17.202	2.62%

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

Autosampler Location: 7
Date Collected: 6/15/2006 1:22:04 PM
Data Type: Reprocessed on 6/16/2006 9:24:41 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	324381.9	96.123	%	0.4661				0.48%
In Radial	16806.4	103.06	%	2.639				2.56%
Y_ Axial	1269313.3	98.639	%	0.4723				0.48%
Y_ Radial	140162.5	99.022	%	2.4980				2.52%
Sc Axial	1399341.7	99.512	%	0.5077				0.51%
Sc Radial	150514.2	98.554	%	1.7819				1.81%
Al_1 396.153 R†	295145.0	24.341	mg/L	1.0001	24.341	mg/L	1.0001	4.11%
Al_2 308.215 R†	87561.9	24.565	mg/L	0.0650	24.565	mg/L	0.0650	0.26%
Ca 315.887 R†	437934.2	24.941	mg/L	1.1607	24.941	mg/L	1.1607	4.65%
Fe_1 273.955†	1219729.1	25.035	mg/L	0.0149	25.035	mg/L	0.0149	0.06%
Fe_2 238.863 R†	28530.0	25.851	mg/L	0.0056	25.851	mg/L	0.0056	0.02%
Mg 279.077 R†	54743.1	25.785	mg/L	0.0383	25.785	mg/L	0.0383	0.15%
Na_1 589.592 R†	265834.1	23.876	mg/L	1.0150	23.876	mg/L	1.0150	4.25%
Na_2 330.237 R†	1869.2	24.711	mg/L	1.0552	24.711	mg/L	1.0552	4.27%
Zn 206.200†	78441.5	2.5005	mg/L	0.00168	2.5005	mg/L	0.00168	0.07%

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

Autosampler Location: 5
Date Collected: 6/15/2006 1:24:19 PM
Data Type: Reprocessed on 6/16/2006 9:24:42 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	350445.5	103.85	%	3.104				2.99%
In Radial	16977.2	104.11	%	0.549				0.53%
Y_ Axial	1331150.9	103.44	%	3.069				2.97%
Y_ Radial	142568.5	100.72	%	0.777				0.77%
Sc Axial	1453181.6	103.34	%	3.078				2.98%
Sc Radial	154050.4	100.87	%	0.722				0.72%
Al_1 396.153 R†	53.5	0.00441	mg/L	0.001853	0.00441	mg/L	0.001853	42.00%
Al_2 308.215 R†	13.7	0.00385	mg/L	0.004438	0.00385	mg/L	0.004438	115.33%
Ca 315.887 R†	25.1	0.00143	mg/L	0.002147	0.00143	mg/L	0.002147	150.12%
Fe_1 273.955†	58.4	0.00120	mg/L	0.000931	0.00120	mg/L	0.000931	77.75%
Fe_2 238.863 R†	-2.0	-0.00177	mg/L	0.000491	-0.00177	mg/L	0.000491	27.75%
Mg 279.077 R†	-8.2	-0.00385	mg/L	0.001473	-0.00385	mg/L	0.001473	38.25%
Na_1 589.592 R†	241.1	0.02165	mg/L	0.007326	0.02165	mg/L	0.007326	33.83%
Na_2 330.237 R†	8.4	0.11687	mg/L	0.000307	0.11687	mg/L	0.000307	0.26%
Zn 206.200†	8.1	0.00026	mg/L	0.000107	0.00026	mg/L	0.000107	41.27%

Sequence No.: 42
Sample ID: H6LVC
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 65
Date Collected: 6/15/2006 1:27:53 PM
Data Type: Reprocessed on 6/16/2006 9:24:43 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LVC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	349876.3	103.68	%	0.384				0.37%
In Radial	17374.5	106.55	%	0.408				0.38%
Y_ Axial	1322006.3	102.73	%	0.220				0.21%
Y_ Radial	142647.1	100.78	%	1.121				1.11%
Sc Axial	1442941.7	102.61	%	0.236				0.23%
Sc Radial	153948.2	100.80	%	1.135				1.13%
Al_1 396.153 R†	1736.3	0.14319	mg/L	0.002883	171.90	mg/L	3.461	2.01%
Al_2 308.215 R†	527.6	0.14801	mg/L	0.007815	177.68	mg/L	9.381	5.28%
Ca 315.887 R†	6885.8	0.39216	mg/L	0.000770	470.78	mg/L	0.924	0.20%
Fe_1 273.955†	7951.4	0.16320	mg/L	0.001852	195.92	mg/L	2.223	1.13%
Fe_2 238.863 R†	185.9	0.16840	mg/L	0.004315	202.17	mg/L	5.180	2.56%
Mg 279.077 R†	228.6	0.10769	mg/L	0.005572	129.28	mg/L	6.689	5.17%
Na_1 589.592 R†	5950.6	0.53446	mg/L	0.012640	641.61	mg/L	15.175	2.37%
Na_2 330.237 R†	15.9	0.21792	mg/L	0.048159	261.61	mg/L	57.814	22.10%
Zn 206.200†	204.0	0.00650	mg/L	0.000067	7.8060	mg/L	0.08087	1.04%

Sequence No.: 43
Sample ID: H6LVD
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 66
Date Collected: 6/15/2006 1:31:29 PM
Data Type: Reprocessed on 6/16/2006 9:24:44 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LVD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	354792.6	105.13	%	0.938				0.89%
In Radial	17360.1	106.46	%	0.978				0.92%
Y_ Axial	1340582.8	104.18	%	1.254				1.20%
Y_ Radial	144322.7	101.96	%	0.636				0.62%
Sc Axial	1463757.8	104.09	%	1.172				1.13%
Sc Radial	155588.4	101.88	%	0.687				0.67%
Al_1 396.153 R†	1792.2	0.14781	mg/L	0.003349	177.44	mg/L	4.021	2.27%
Al_2 308.215 R†	526.4	0.14769	mg/L	0.003362	177.30	mg/L	4.036	2.28%
Ca 315.887 R†	6856.9	0.39051	mg/L	0.006961	468.80	mg/L	8.357	1.78%
Fe_1 273.955†	9046.1	0.18567	mg/L	0.002838	222.90	mg/L	3.407	1.53%
Fe_2 238.863 R†	210.9	0.19109	mg/L	0.000939	229.40	mg/L	1.128	0.49%
Mg 279.077 R†	253.3	0.11930	mg/L	0.010997	143.22	mg/L	13.202	9.22%
Na_1 589.592 R†	5313.7	0.47726	mg/L	0.008483	572.94	mg/L	10.183	1.78%
Na_2 330.237 R†	21.0	0.28791	mg/L	0.137004	345.62	mg/L	164.471	47.59%
Zn 206.200†	241.8	0.00771	mg/L	0.000248	9.2552	mg/L	0.29738	3.21%

Sequence No.: 44
Sample ID: H6LVE
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 67
Date Collected: 6/15/2006 1:35:03 PM
Data Type: Reprocessed on 6/16/2006 9:24:47 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LVE

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	352575.7	104.48	%	0.440				0.42%
In Radial	17447.1	106.99	%	0.957				0.89%
Y_ Axial	1329496.3	103.32	%	0.457				0.44%
Y_ Radial	146062.2	103.19	%	0.127				0.12%
Sc Axial	1452081.1	103.26	%	0.470				0.45%
Sc Radial	157603.4	103.20	%	0.070				0.07%
Al_1 396.153 R†	3252.3	0.26822	mg/L	0.008812	321.99	mg/L	10.579	3.29%
Al_2 308.215 R†	954.8	0.26787	mg/L	0.001264	321.57	mg/L	1.517	0.47%
Ca 315.887 R†	8591.2	0.48928	mg/L	0.001386	587.37	mg/L	1.664	0.28%
Fe_1 273.955†	17566.5	0.36056	mg/L	0.002991	432.84	mg/L	3.590	0.83%
Fe_2 238.863 R†	391.8	0.35503	mg/L	0.002885	426.20	mg/L	3.464	0.81%
Mg 279.077 R†	406.9	0.19168	mg/L	0.004801	230.10	mg/L	5.763	2.50%
Na_1 589.592 R†	5656.0	0.50801	mg/L	0.006342	609.85	mg/L	7.613	1.25%
Na_2 330.237 R†	31.8	0.43613	mg/L	0.223749	523.56	mg/L	268.606	51.30%
Zn 206.200†	428.5	0.01366	mg/L	0.000019	16.397	mg/L	0.0225	0.14%

Sequence No.: 45
Sample ID: H6LVF
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 68
Date Collected: 6/15/2006 1:38:39 PM
Data Type: Reprocessed on 6/16/2006 9:24:47 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LVF

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	355061.0	105.21	%	0.683				0.65%
In Radial	17383.7	106.60	%	0.114				0.11%
Y_ Axial	1345463.4	104.56	%	0.763				0.73%
Y_ Radial	143482.1	101.37	%	0.093				0.09%
Sc Axial	1467695.3	104.37	%	0.750				0.72%
Sc Radial	154877.5	101.41	%	0.191				0.19%
Al_1 396.153 Rt	1755.8	0.14480	mg/L	0.006995	173.83	mg/L	8.398	4.83%
Al_2 308.215 Rt	527.7	0.14803	mg/L	0.000755	177.71	mg/L	0.907	0.51%
Ca 315.887 Rt	6475.6	0.36880	mg/L	0.003329	442.73	mg/L	3.997	0.90%
Fe_1 273.955†	8901.6	0.18271	mg/L	0.000728	219.34	mg/L	0.873	0.40%
Fe_2 238.863 Rt	201.3	0.18236	mg/L	0.000367	218.92	mg/L	0.440	0.20%
Mg 279.077 Rt	238.5	0.11236	mg/L	0.002622	134.89	mg/L	3.148	2.33%
Na_1 589.592 Rt	5255.6	0.47204	mg/L	0.015684	566.67	mg/L	18.828	3.32%
Na_2 330.237 Rt	14.7	0.20151	mg/L	0.015349	241.91	mg/L	18.426	7.62%
Zn 206.200†	191.7	0.00611	mg/L	0.000058	7.3372	mg/L	0.06932	0.94%

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

Autosampler Location: 7
Date Collected: 6/15/2006 2:05:14 PM
Data Type: Reprocessed on 6/16/2006 9:24:48 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
In Axial	313186.5	92.806	%	1.1028				1.19%
In Radial	15492.7	95.008	%	3.0775				3.24%
Y_ Axial	1177131.4	91.475	%	1.2210				1.33%
Y_ Radial	124393.7	87.881	%	2.4124				2.75%
Sc Axial	1307454.4	92.978	%	1.2546				1.35%
Sc Radial	135736.9	88.878	%	2.6655				3.00%
Al_1 396.153 R†	302640.7	24.959	mg/L	0.2902	24.959	mg/L	0.2902	1.16%
Al_2 308.215 R†	89785.4	25.189	mg/L	0.0034	25.189	mg/L	0.0034	0.01%
Ca 315.887 R†	463242.5	26.382	mg/L	0.1854	26.382	mg/L	0.1854	0.70%
Fe_1 273.955†	1275322.3	26.176	mg/L	0.0295	26.176	mg/L	0.0295	0.11%
Fe_2 238.863 R†	29685.8	26.898	mg/L	0.1038	26.898	mg/L	0.1038	0.39%
Mg 279.077 R†	57821.3	27.235	mg/L	0.2941	27.235	mg/L	0.2941	1.08%
Na_1 589.592 R†	284118.7	25.519	mg/L	0.2174	25.519	mg/L	0.2174	0.85%
Na_2 330.237 R†	2012.0	26.634	mg/L	0.5452	26.634	mg/L	0.5452	2.05%
Zn 206.200†	82355.2	2.6253	mg/L	0.00739	2.6253	mg/L	0.00739	0.28%

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

Autosampler Location: 5
Date Collected: 6/15/2006 2:07:29 PM
Data Type: Reprocessed on 6/16/2006 9:24:49 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	351804.5	104.25	%	0.719				0.69%
In Radial	16797.5	103.01	%	0.707				0.69%
Y_ Axial	1314772.9	102.17	%	0.531				0.52%
Y_ Radial	138335.4	97.731	%	0.3417				0.35%
Sc Axial	1442468.3	102.58	%	0.630				0.61%
Sc Radial	149690.8	98.014	%	0.2883				0.29%
Al_1 396.153 Rt	62.0	0.00511	mg/L	0.000649	0.00511	mg/L	0.000649	12.69%
Al_2 308.215 Rt	8.8	0.00247	mg/L	0.002579	0.00247	mg/L	0.002579	104.31%
Ca 315.887 Rt	92.1	0.00525	mg/L	0.000091	0.00525	mg/L	0.000091	1.74%
Fe_1 273.955†	182.4	0.00374	mg/L	0.003704	0.00374	mg/L	0.003704	98.97%
Fe_2 238.863 Rt	8.2	0.00744	mg/L	0.005220	0.00744	mg/L	0.005220	70.15%
Mg 279.077 Rt	0.7	0.00032	mg/L	0.002977	0.00032	mg/L	0.002977	935.29%
Na_1 589.592 Rt	159.8	0.01436	mg/L	0.000502	0.01436	mg/L	0.000502	3.49%
Na_2 330.237 Rt	18.4	0.25735	mg/L	0.345882	0.25735	mg/L	0.345882	134.40%
Zn 206.200†	10.2	0.00033	mg/L	0.000164	0.00033	mg/L	0.000164	50.34%

Sequence No.: 48
Sample ID: H6LVH
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 69
Date Collected: 6/15/2006 2:12:43 PM
Data Type: Reprocessed on 6/16/2006 9:24:52 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LVH

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
In Axial	344576.9	102.11	%	1.303				1.28%
In Radial	16707.9	102.46	%	0.435				0.42%
Y_ Axial	1275563.9	99.125	%	0.7512				0.76%
Y_ Radial	136393.0	96.359	%	1.0283				1.07%
Sc Axial	1395925.3	99.269	%	0.7942				0.80%
Sc Radial	147457.4	96.552	%	1.1844				1.23%
Al_1 396.153 R†	2024.0	0.16692	mg/L	0.005699	200.38	mg/L	6.841	3.41%
Al_2 308.215 R†	567.9	0.15931	mg/L	0.001006	191.25	mg/L	1.208	0.63%
Ca 315.887 R†	7325.8	0.41722	mg/L	0.000730	500.86	mg/L	0.876	0.17%
Fe_1 273.955†	9546.7	0.19595	mg/L	0.000736	235.23	mg/L	0.883	0.38%
Fe_2 238.863 R†	216.8	0.19646	mg/L	0.003654	235.85	mg/L	4.386	1.86%
Mg 279.077 R†	242.7	0.11432	mg/L	0.003351	137.24	mg/L	4.023	2.93%
Na_1 589.592 R†	6223.0	0.55893	mg/L	0.003279	670.99	mg/L	3.937	0.59%
Na_2 330.237 R†	24.6	0.33917	mg/L	0.278895	407.17	mg/L	334.809	82.23%
Zn 206.200†	211.0	0.00672	mg/L	0.000283	8.0730	mg/L	0.33931	4.20%

Sequence No.: 49
Sample ID: H6LVK
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 6/15/2006 2:16:16 PM
Data Type: Reprocessed on 6/16/2006 9:24:53 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LVK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	363296.9	107.65	%	2.094				1.94%
In Radial	17344.1	106.36	%	0.016				0.02%
Y_ Axial	1356902.6	105.45	%	2.044				1.94%
Y_ Radial	145806.4	103.01	%	1.109				1.08%
Sc Axial	1486081.6	105.68	%	2.111				2.00%
Sc Radial	157675.3	103.24	%	1.033				1.00%
Al_1 396.153 R†	1753.4	0.14460	mg/L	0.001662	173.59	mg/L	1.995	1.15%
Al_2 308.215 R†	487.3	0.13672	mg/L	0.001845	164.12	mg/L	2.215	1.35%
Ca 315.887 R†	6383.3	0.36354	mg/L	0.003884	436.42	mg/L	4.663	1.07%
Fe_1 273.955†	7848.3	0.16109	mg/L	0.003846	193.38	mg/L	4.617	2.39%
Fe_2 238.863 R†	180.9	0.16392	mg/L	0.003654	196.78	mg/L	4.387	2.23%
Mg 279.077 R†	236.4	0.11137	mg/L	0.007048	133.70	mg/L	8.460	6.33%
Na_1 589.592 R†	5716.0	0.51340	mg/L	0.008706	616.32	mg/L	10.452	1.70%
Na_2 330.237 R†	27.1	0.37468	mg/L	0.107580	449.80	mg/L	129.148	28.71%
Zn 206.200†	188.4	0.00601	mg/L	0.000119	7.2091	mg/L	0.14343	1.99%

Sequence No.: 50
Sample ID: H6LVL
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 71
Date Collected: 6/15/2006 2:19:49 PM
Data Type: Reprocessed on 6/16/2006 9:24:54 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LVL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	347839.6	103.07	%	0.772				0.75%
In Radial	17348.7	106.39	%	0.016				0.01%
Y_ Axial	1300118.6	101.03	%	0.458				0.45%
Y_ Radial	144767.7	102.28	%	3.757				3.67%
Sc Axial	1424677.0	101.31	%	0.590				0.58%
Sc Radial	156931.9	102.76	%	3.876				3.77%
Al_1 396.153 R†	5889.8	0.48573	mg/L	0.001986	583.11	mg/L	2.384	0.41%
Al_2 308.215 R†	1705.2	0.47839	mg/L	0.020304	574.29	mg/L	24.374	4.24%
Ca 315.887 R†	12692.6	0.72286	mg/L	0.008276	867.78	mg/L	9.935	1.14%
Fe_1 273.955†	28000.1	0.57471	mg/L	0.000771	689.92	mg/L	0.926	0.13%
Fe_2 238.863 R†	626.3	0.56753	mg/L	0.019048	681.31	mg/L	22.866	3.36%
Mg 279.077 R†	675.0	0.31797	mg/L	0.008244	381.71	mg/L	9.897	2.59%
Na_1 589.592 R†	7954.6	0.71445	mg/L	0.021232	857.69	mg/L	25.488	2.97%
Na_2 330.237 R†	33.9	0.46753	mg/L	0.426454	561.26	mg/L	511.950	91.22%
Zn 206.200†	293.8	0.00937	mg/L	0.000027	11.243	mg/L	0.0325	0.29%

Sequence No.: 51
Sample ID: H6LVM
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 72
Date Collected: 6/15/2006 2:23:22 PM
Data Type: Reprocessed on 6/16/2006 9:24:54 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LVM

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	352860.6	104.56	%	1.154				1.10%
In Radial	17431.2	106.90	%	0.038				0.04%
Y_ Axial	1323782.2	102.87	%	1.131				1.10%
Y_ Radial	143994.8	101.73	%	2.601				2.56%
Sc Axial	1450582.1	103.16	%	1.196				1.16%
Sc Radial	155630.2	101.90	%	2.513				2.47%
Al_1 396.153 Rt	3971.4	0.32752	mg/L	0.000367	393.18	mg/L	0.440	0.11%
Al_2 308.215 Rt	1148.1	0.32209	mg/L	0.005929	386.66	mg/L	7.118	1.84%
Ca 315.887 Rt	9569.9	0.54502	mg/L	0.005205	654.29	mg/L	6.249	0.96%
Fe_1 273.955†	17993.9	0.36933	mg/L	0.004483	443.37	mg/L	5.381	1.21%
Fe_2 238.863 Rt	412.7	0.37393	mg/L	0.018555	448.90	mg/L	22.275	4.96%
Mg 279.077 Rt	444.2	0.20921	mg/L	0.001207	251.15	mg/L	1.449	0.58%
Na_1 589.592 Rt	6237.2	0.56020	mg/L	0.010998	672.51	mg/L	13.203	1.96%
Na_2 330.237 Rt	12.6	0.17130	mg/L	0.377424	205.64	mg/L	453.090	220.33%
Zn 206.200†	231.1	0.00737	mg/L	0.000040	8.8437	mg/L	0.04812	0.54%

Sequence No.: 52
Sample ID: H6LVN
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 73
Date Collected: 6/15/2006 2:26:57 PM
Data Type: Reprocessed on 6/16/2006 9:24:58 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LVN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	354171.8	104.95	%	1.908				1.82%
In Radial	17343.3	106.36	%	0.716				0.67%
Y_ Axial	1325187.0	102.98	%	1.676				1.63%
Y_ Radial	146770.6	103.69	%	1.988				1.92%
Sc Axial	1449398.2	103.07	%	1.717				1.67%
Sc Radial	158701.5	103.91	%	1.999				1.92%
Al_1 396.153 Rt	4000.4	0.32992	mg/L	0.003041	396.06	mg/L	3.650	0.92%
Al_2 308.215 Rt	1142.1	0.32040	mg/L	0.005230	384.63	mg/L	6.278	1.63%
Ca 315.887 Rt	11247.2	0.64054	mg/L	0.002873	768.96	mg/L	3.448	0.45%
Fe_1 273.955†	21152.6	0.43416	mg/L	0.006012	521.20	mg/L	7.217	1.38%
Fe_2 238.863 Rt	471.0	0.42674	mg/L	0.002282	512.29	mg/L	2.739	0.53%
Mg 279.077 Rt	508.6	0.23957	mg/L	0.001632	287.60	mg/L	1.959	0.68%
Na_1 589.592 Rt	7752.4	0.69629	mg/L	0.010870	835.89	mg/L	13.049	1.56%
Na_2 330.237 Rt	26.1	0.35850	mg/L	0.148392	430.38	mg/L	178.141	41.39%
Zn 206.200†	296.3	0.00945	mg/L	0.000166	11.339	mg/L	0.1996	1.76%

Sequence No.: 53
Sample ID: H6LVQ
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 74
Date Collected: 6/15/2006 2:30:31 PM
Data Type: Reprocessed on 6/16/2006 9:24:59 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LVQ

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	348486.6	103.27	%	2.983				2.89%
In Radial	17482.1	107.21	%	0.607				0.57%
Y_ Axial	1307652.6	101.62	%	3.121				3.07%
Y_ Radial	146578.6	103.55	%	1.023				0.99%
Sc Axial	1432218.6	101.85	%	3.060				3.00%
Sc Radial	158392.8	103.71	%	1.010				0.97%
Al_1 396.153 Rt	8231.5	0.67885	mg/L	0.002430	814.95	mg/L	2.917	0.36%
Al_2 308.215 Rt	2333.1	0.65455	mg/L	0.008361	785.77	mg/L	10.038	1.28%
Ca 315.887 Rt	18018.4	1.0262	mg/L	0.00306	1231.9	mg/L	3.67	0.30%
Fe_1 273.955†	44500.2	0.91337	mg/L	0.000105	1096.5	mg/L	0.13	0.01%
Fe_2 238.863 Rt	998.0	0.90424	mg/L	0.007054	1085.5	mg/L	8.47	0.78%
Mg 279.077 Rt	951.0	0.44795	mg/L	0.001449	537.75	mg/L	1.740	0.32%
Na_1 589.592 Rt	7165.4	0.64357	mg/L	0.001203	772.60	mg/L	1.445	0.19%
Na_2 330.237 Rt	27.0	0.36913	mg/L	0.361219	443.14	mg/L	433.637	97.86%
Zn 206.200†	416.5	0.01328	mg/L	0.000628	15.938	mg/L	0.7534	4.73%

Sequence No.: 54
Sample ID: H6LVR
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 75
Date Collected: 6/15/2006 2:34:05 PM
Data Type: Reprocessed on 6/16/2006 9:24:59 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LVR

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	357884.8	106.05	%	2.382				2.25%
In Radial	17473.9	107.16	%	0.050				0.05%
Y_ Axial	1341974.5	104.29	%	2.396				2.30%
Y_ Radial	143426.1	101.33	%	1.464				1.44%
Sc Axial	1468521.0	104.43	%	2.374				2.27%
Sc Radial	155018.2	101.50	%	1.441				1.42%
Al_1 396.153 R†	5103.3	0.42087	mg/L	0.003204	505.24	mg/L	3.846	0.76%
Al_2 308.215 R†	1492.3	0.41865	mg/L	0.008027	502.59	mg/L	9.636	1.92%
Ca 315.887 R†	13033.0	0.74225	mg/L	0.001889	891.05	mg/L	2.268	0.25%
Fe_1 273.955†	27196.9	0.55822	mg/L	0.000831	670.13	mg/L	0.998	0.15%
Fe_2 238.863 R†	630.4	0.57121	mg/L	0.011395	685.73	mg/L	13.679	1.99%
Mg 279.077 R†	598.7	0.28201	mg/L	0.005921	338.54	mg/L	7.109	2.10%
Na_1 589.592 R†	6978.2	0.62676	mg/L	0.013849	752.41	mg/L	16.626	2.21%
Na_2 330.237 R†	31.7	0.43753	mg/L	0.282050	525.25	mg/L	338.596	64.46%
Zn 206.200†	293.9	0.00937	mg/L	0.000163	11.246	mg/L	0.1961	1.74%

Sequence No.: 55
Sample ID: H6LVT
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 76
Date Collected: 6/15/2006 2:37:41 PM
Data Type: Reprocessed on 6/16/2006 9:25:03 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LVT

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	356714.2	105.70	%	1.093				1.03%
In Radial	17481.2	107.20	%	0.129				0.12%
Y_ Axial	1341456.6	104.25	%	1.237				1.19%
Y_ Radial	143664.0	101.50	%	0.518				0.51%
Sc Axial	1468271.3	104.41	%	1.182				1.13%
Sc Radial	155230.6	101.64	%	0.412				0.41%
Al_1 396.153 R†	5085.8	0.41943	mg/L	0.002340	503.51	mg/L	2.809	0.56%
Al_2 308.215 R†	1478.0	0.41464	mg/L	0.002657	497.77	mg/L	3.189	0.64%
Ca 315.887 R†	11864.0	0.67567	mg/L	0.002178	811.13	mg/L	2.615	0.32%
Fe_1 273.955†	25117.9	0.51555	mg/L	0.004685	618.91	mg/L	5.624	0.91%
Fe_2 238.863 R†	568.0	0.51465	mg/L	0.004682	617.82	mg/L	5.621	0.91%
Mg 279.077 R†	578.5	0.27247	mg/L	0.000037	327.10	mg/L	0.044	0.01%
Na_1 589.592 R†	7140.2	0.64131	mg/L	0.002551	769.88	mg/L	3.062	0.40%
Na_2 330.237 R†	8.8	0.11609	mg/L	0.079100	139.36	mg/L	94.958	68.14%
Zn 206.200†	293.3	0.00935	mg/L	0.000169	11.226	mg/L	0.2025	1.80%

Sequence No.: 56
Sample ID: H6LVV
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 77
Date Collected: 6/15/2006 2:41:18 PM
Data Type: Reprocessed on 6/16/2006 9:25:04 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LVV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	356335.4	105.59	%	1.725				1.63%
In Radial	17261.3	105.85	%	0.581				0.55%
Y_ Axial	1340762.1	104.19	%	1.402				1.35%
Y_ Radial	143839.9	101.62	%	1.167				1.15%
Sc Axial	1463813.8	104.10	%	1.513				1.45%
Sc Radial	155388.5	101.75	%	1.383				1.36%
Al_1 396.153 R†	74.1	0.00611	mg/L	0.007696	7.3351	mg/L	9.23906	125.96%
Al_2 308.215 R†	41.4	0.01161	mg/L	0.002268	13.943	mg/L	2.7232	19.53%
Ca 315.887 R†	4155.2	0.23664	mg/L	0.002005	284.09	mg/L	2.407	0.85%
Fe_1 273.955†	703.0	0.01443	mg/L	0.000666	17.322	mg/L	0.7995	4.62%
Fe_2 238.863 R†	12.3	0.01112	mg/L	0.008803	13.347	mg/L	10.5674	79.17%
Mg 279.077 R†	61.2	0.02881	mg/L	0.001044	34.592	mg/L	1.2529	3.62%
Na_1 589.592 R†	4627.8	0.41565	mg/L	0.001590	498.98	mg/L	1.909	0.38%
Na_2 330.237 R†	16.4	0.22640	mg/L	0.310342	271.79	mg/L	372.559	137.08%
Zn 206.200†	81.3	0.00259	mg/L	0.000054	3.1127	mg/L	0.06443	2.07%

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

Autosampler Location: 7
Date Collected: 6/15/2006 2:45:51 PM
Data Type: Reprocessed on 6/16/2006 9:25:05 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	322831.7	95.664	%	0.6759				0.71%
In Radial	16607.2	101.84	%	1.838				1.80%
Y_ Axial	1258674.9	97.812	%	0.7790				0.80%
Y_ Radial	137500.2	97.141	%	1.6001				1.65%
Sc Axial	1387743.2	98.687	%	0.7466				0.76%
Sc Radial	149437.8	97.849	%	1.7085				1.75%
Al_1 396.153 R†	292854.0	24.152	mg/L	0.8788	24.152	mg/L	0.8788	3.64%
Al_2 308.215 R†	87263.2	24.481	mg/L	0.0566	24.481	mg/L	0.0566	0.23%
Ca 315.887 R†	436296.2	24.848	mg/L	1.0160	24.848	mg/L	1.0160	4.09%
Fe_1 273.955†	1219934.4	25.039	mg/L	0.0178	25.039	mg/L	0.0178	0.07%
Fe_2 238.863 R†	28565.1	25.883	mg/L	0.1017	25.883	mg/L	0.1017	0.39%
Mg 279.077 R†	54788.5	25.807	mg/L	0.1667	25.807	mg/L	0.1667	0.65%
Na_1 589.592 R†	265038.7	23.805	mg/L	0.9076	23.805	mg/L	0.9076	3.81%
Na_2 330.237 R†	1887.4	24.975	mg/L	0.3184	24.975	mg/L	0.3184	1.27%
Zn 206.200†	77933.9	2.4843	mg/L	0.00659	2.4843	mg/L	0.00659	0.27%

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

Autosampler Location: 5
Date Collected: 6/15/2006 2:48:08 PM
Data Type: Reprocessed on 6/16/2006 9:25:05 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	352935.3	104.58	%	0.184				0.18%
In Radial	17200.7	105.48	%	0.849				0.80%
Y_ Axial	1332043.4	103.51	%	0.023				0.02%
Y_ Radial	142605.4	100.75	%	0.893				0.89%
Sc Axial	1456943.1	103.61	%	0.053				0.05%
Sc Radial	154294.0	101.03	%	0.908				0.90%
Al_1 396.153 R†	15.9	0.00131	mg/L	0.006779				515.99%
Al_2 308.215 R†	9.6	0.00268	mg/L	0.002313				86.28%
Ca 315.887 R†	59.3	0.00338	mg/L	0.000028				0.82%
Fe_1 273.955†	99.1	0.00203	mg/L	0.000238				11.68%
Fe_2 238.863 R†	15.8	0.01435	mg/L	0.001176				8.19%
Mg 279.077 R†	2.3	0.00109	mg/L	0.005780				529.84%
Na_1 589.592 R†	16.0	0.00143	mg/L	0.014911				>999.9%
Na_2 330.237 R†	-7.8	-0.10953	mg/L	0.068761				62.78%
Zn 206.200†	11.1	0.00035	mg/L	0.000055				15.56%

Sample conc. not calculated. Initial Wt. AND Prep. Volume required OR sample units incorrect.

Sequence No.: 1
Sample ID: CCB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/15/2006 2:48:08 PM
Data Type: Reprocessed on 6/16/2006 9:27:23 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	352935.3	104.58	%	0.184				0.18%
In Radial	17200.7	105.48	%	0.849				0.80%
Y_ Axial	1332043.4	103.51	%	0.023				0.02%
Y_ Radial	142605.4	100.75	%	0.893				0.89%
Sc Axial	1456943.1	103.61	%	0.053				0.05%
Sc Radial	154294.0	101.03	%	0.908				0.90%
Al_1 396.153 R†	15.9	0.00131	mg/L	0.006779	0.00131	mg/L	0.006779	515.99%
Al_2 308.215 R†	9.6	0.00268	mg/L	0.002313	0.00268	mg/L	0.002313	86.28%
Ca 315.887 R†	59.3	0.00338	mg/L	0.000028	0.00338	mg/L	0.000028	0.82%
Fe_1 273.955†	99.1	0.00203	mg/L	0.000238	0.00203	mg/L	0.000238	11.68%
Fe_2 238.863 R†	15.8	0.01435	mg/L	0.001176	0.01435	mg/L	0.001176	8.19%
Mg 279.077 R†	2.3	0.00109	mg/L	0.005780	0.00109	mg/L	0.005780	529.84%
Na_1 589.592 R†	16.0	0.00143	mg/L	0.014911	0.00143	mg/L	0.014911	>999.9%
Na_2 330.237 R†	-7.8	-0.10953	mg/L	0.068761	-0.10953	mg/L	0.068761	62.78%
Zn 206.200†	11.1	0.00035	mg/L	0.000055	0.00035	mg/L	0.000055	15.56%

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 060616B1	Batch Numbers 6160308, 6160319, 6166429, 6166433	Date 6/16/06	Analyst BRJ/BEV

Lot Numbers G6F020224, G6F020219, G6F150200, G6F150196	YES	NO	NA
1. Copy of analysis protocol used included?	X		
2. ICVs & CCVs within 10% of true value or recal and rerun?	X		
3. ICB & CCBs < reporting limit or recal and rerun?	X		
4. 10 samples or less analyzed between calibration checks?	X		
5. All parameters within linear range?	X		
6. LCS/LCSD within limits? wrong LCS for batch 6160308 run	X		
7. Prep blank value < reporting limit or all samples >20x blank?	X		
8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <130% of the Calibration Blank intensities?	X		
9. Appropriate dilution factors applied to data?	X		
10. Matrix spike and spike dup within customer defined limits?			X
11. Each batch checked for presence of internal standard in samples?	X		
12. Anomalies entered using Clouseau?			X

COMMENTS:

REVIEWED BY: MTL DATE: 6/20/06	DATA ENTERED BY: BEV DATE: 6/20/06

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\060616B1\
Report Date/Time: Monday, June 19, 2006 14:43:36

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Description
6160308	H6LT9 n.i.	16:33:26 Fri 16-Jun-06	Sample	G6F020224-1 N.I.
6160319	H6LTF n.i.	16:36:12 Fri 16-Jun-06	Sample	G6F020219-1 N.I.
6166429	H7F9C n.i.	16:38:58 Fri 16-Jun-06	Sample	G6F150200-1 N.I.
6166433	H7F78 n.i.	16:41:45 Fri 16-Jun-06	Sample	G6F150196-1 N.I.
	Rinse 3X	17:48:06 Fri 16-Jun-06	Sample	
	Blank	17:52:32 Fri 16-Jun-06	Blank	
	Standard 1	17:56:53 Fri 16-Jun-06	Standard #1	
	ICV	18:00:58 Fri 16-Jun-06	Sample	
	ICB	18:05:09 Fri 16-Jun-06	Sample	
	ICSA	18:09:19 Fri 16-Jun-06	Sample	
	ICSAB	18:13:27 Fri 16-Jun-06	Sample	
	Rinse	18:44:20 Fri 16-Jun-06	Sample	
6160308	FB	18:48:31 Fri 16-Jun-06	Sample	FB-F1815158
6160319	FB	18:52:42 Fri 16-Jun-06	Sample	FB-F1815158
	CCV 1	18:56:53 Fri 16-Jun-06	Sample	
	CCB 1	19:01:04 Fri 16-Jun-06	Sample	
	CCV 2	19:05:15 Fri 16-Jun-06	Sample	
	CCB 2	19:09:26 Fri 16-Jun-06	Sample	
6160308	H64F0C	19:13:34 Fri 16-Jun-06	Sample	G6F090000-308 LCS > 6010 - RERUN - DO NOT REPORT
6160308	H64F0L	19:17:40 Fri 16-Jun-06	Sample	G6F090000-308 LCSD
	Rinse	19:21:50 Fri 16-Jun-06	Sample	
6160308	H64F0B	19:26:02 Fri 16-Jun-06	Sample	G6F090000-308 BLK - Li >130% > RERUN BE
6160308	H6LT9	19:30:11 Fri 16-Jun-06	Sample	G6F020224-1 - Li >130%
6160308	H6LT9P5	19:34:18 Fri 16-Jun-06	Sample	G6F020224-1 5X
6160308	H6LT9Z	19:38:25 Fri 16-Jun-06	Sample	G6F020224-1 PS
6160308	H6LVC	19:42:32 Fri 16-Jun-06	Sample	G6F020224-2
6160308	H6LVD	19:46:43 Fri 16-Jun-06	Sample	G6F020224-3
6160308	H6LVE	19:50:51 Fri 16-Jun-06	Sample	G6F020224-4
	CCV 3 > RECAL	19:55:01 Fri 16-Jun-06	Sample	
	CCB 3	19:59:12 Fri 16-Jun-06	Sample	
	CCV 4	20:03:23 Fri 16-Jun-06	Sample	
	CCB 4	20:07:34 Fri 16-Jun-06	Sample	
6160308	H6LVF	20:11:44 Fri 16-Jun-06	Sample	G6F020224-5
6160308	H6LVH	20:15:53 Fri 16-Jun-06	Sample	G6F020224-6
6160308	H6LVK	20:20:03 Fri 16-Jun-06	Sample	G6F020224-7
6160308	H6LVL	20:24:13 Fri 16-Jun-06	Sample	G6F020224-8
6160308	H6LVM	20:28:24 Fri 16-Jun-06	Sample	G6F020224-9
6160308	H6LVN	20:32:34 Fri 16-Jun-06	Sample	G6F020224-10
6160308	H6LVQ	20:36:46 Fri 16-Jun-06	Sample	G6F020224-11
6160308	H6LVR	20:40:57 Fri 16-Jun-06	Sample	G6F020224-12
6160308	H6LVT	20:45:09 Fri 16-Jun-06	Sample	G6F020224-13
6160308	H6LVV	20:49:22 Fri 16-Jun-06	Sample	G6F020224-14
	CCV 5	20:53:33 Fri 16-Jun-06	Sample	
	CCB 5	20:57:44 Fri 16-Jun-06	Sample	
	CCV 6	21:01:55 Fri 16-Jun-06	Sample	
	CCB 6	21:06:06 Fri 16-Jun-06	Sample	
6160319	H64G4C	21:10:15 Fri 16-Jun-06	Sample	G6F090000-319 LCS
6160319	H64G4L	21:14:22 Fri 16-Jun-06	Sample	G6F090000-319 LCSD
	Rinse	21:18:32 Fri 16-Jun-06	Sample	

6160319	H64G4B	21:22:44 Fri 16-Jun-06	Sample	G6F090000-319 BLK
6160319	H6LTF	21:26:53 Fri 16-Jun-06	Sample	G6F020219-1
6160319	H6LTFP5	21:31:00 Fri 16-Jun-06	Sample	G6F020219-1 5X
6160319	H6LTFZ	21:35:07 Fri 16-Jun-06	Sample	G6F020219-1 PS
6160319	H6LTG	21:39:15 Fri 16-Jun-06	Sample	G6F020219-2
6160319	H6LTH	21:43:23 Fri 16-Jun-06	Sample	G6F020219-3
	CCV 7	21:47:33 Fri 16-Jun-06	Sample	
	CCB 7	21:51:44 Fri 16-Jun-06	Sample	
	CCV 8	21:55:55 Fri 16-Jun-06	Sample	
	CCB 8	22:00:06 Fri 16-Jun-06	Sample	
6160319	H6LTK	22:04:16 Fri 16-Jun-06	Sample	G6F020219-4
6160319	H6LTL	22:08:25 Fri 16-Jun-06	Sample	G6F020219-5
6160319	H6LTM	22:12:34 Fri 16-Jun-06	Sample	G6F020219-6
6160319	H6LTN	22:16:43 Fri 16-Jun-06	Sample	G6F020219-7
6160319	H6LTQ	22:20:53 Fri 16-Jun-06	Sample	G6F020219-8
6160319	H6LTV	22:25:03 Fri 16-Jun-06	Sample	G6F020219-9
6160319	H6LTX	22:29:14 Fri 16-Jun-06	Sample	G6F020219-10
6160319	H6LT1	22:33:25 Fri 16-Jun-06	Sample	G6F020219-11
6160319	H6LT2	22:37:37 Fri 16-Jun-06	Sample	G6F020219-12
6160319	H6LT4	22:41:48 Fri 16-Jun-06	Sample	G6F020219-13
	CCV 9	22:45:59 Fri 16-Jun-06	Sample	
	CCB 9	22:50:10 Fri 16-Jun-06	Sample	
SHORT LIST –	CCV 10	22:54:21 Fri 16-Jun-06	Sample	
	CCB 10	22:58:00 Fri 16-Jun-06	Sample	
	CCV 11	23:01:40 Fri 16-Jun-06	Sample	
	CCB 11	23:05:20 Fri 16-Jun-06	Sample	
6166429	H7HE6C	23:08:58 Fri 16-Jun-06	Sample	G6F150000-429 LCS
6166429	H7HE6L	23:12:34 Fri 16-Jun-06	Sample	G6F150000-429 LCSD
	Rinse	23:16:13 Fri 16-Jun-06	Sample	
6166429	H7HE6B	23:19:54 Fri 16-Jun-06	Sample	G6F150000-429 BLK
6166429	H7F9C	23:23:32 Fri 16-Jun-06	Sample	G6F150200-1
6166429	H7F9CP5	23:27:06 Fri 16-Jun-06	Sample	G6F150200-1 5X
6166429	H7F9CZ	23:30:42 Fri 16-Jun-06	Sample	G6F150200-1 PS
6166429	H7F9H	23:34:17 Fri 16-Jun-06	Sample	G6F150200-2
	CCV 12	23:37:55 Fri 16-Jun-06	Sample	
	CCB 12	23:41:34 Fri 16-Jun-06	Sample	
6166429	H7F9L	23:45:12 Fri 16-Jun-06	Sample	G6F150200-3
6166429	H7F9P	23:48:48 Fri 16-Jun-06	Sample	G6F150200-4
6166429	H7F9R	23:52:25 Fri 16-Jun-06	Sample	G6F150200-5
6166429	H7F9X	23:56:02 Fri 16-Jun-06	Sample	G6F150200-6
6166429	H7F91	23:59:40 Fri 16-Jun-06	Sample	G6F150200-7
6166429	H7F95	00:03:18 Sat 17-Jun-06	Sample	G6F150200-8
6166429	H7F97	00:06:56 Sat 17-Jun-06	Sample	G6F150200-9
6166429	H7F98	00:10:35 Sat 17-Jun-06	Sample	G6F150200-10
	CCV 13	00:14:14 Sat 17-Jun-06	Sample	
	CCB 13	00:17:54 Sat 17-Jun-06	Sample	
	CCV 14	00:21:33 Sat 17-Jun-06	Sample	
	CCB 14	00:25:13 Sat 17-Jun-06	Sample	
6166433	H7HGGC	00:28:52 Sat 17-Jun-06	Sample	G6F150000-433 LCS
6166433	H7HGGL	00:32:29 Sat 17-Jun-06	Sample	G6F150000-433 LCSD
	Rinse	00:36:08 Sat 17-Jun-06	Sample	
6166433	H7HGGB	00:39:49 Sat 17-Jun-06	Sample	G6F150000-433 BLK
6166433	H7F78	00:43:27 Sat 17-Jun-06	Sample	G6F150196-1
6166433	H7F78P5	00:47:02 Sat 17-Jun-06	Sample	G6F150196-1
6166433	H7F78X	00:50:38 Sat 17-Jun-06	Sample	G6F150196-1 DU
6166433	H7F78Z	00:54:13 Sat 17-Jun-06	Sample	G6F150196-1
6166433	H7F8P	00:57:50 Sat 17-Jun-06	Sample	G6F150196-2
6166433	H7F8R	01:01:26 Sat 17-Jun-06	Sample	G6F150196-3
	CCV 15	01:05:04 Sat 17-Jun-06	Sample	
	CCB 15	01:08:44 Sat 17-Jun-06	Sample	

6166433	H7F8V	01:12:23 Sat 17-Jun-06	Sample	G6F150196-4
6166433	H7F81	01:16:00 Sat 17-Jun-06	Sample	G6F150196-5
6166433	H7F82	01:19:38 Sat 17-Jun-06	Sample	G6F150196-6
6166433	H7F83	01:23:16 Sat 17-Jun-06	Sample	G6F150196-7
6166433	H7F84	01:26:54 Sat 17-Jun-06	Sample	G6F150196-8
6166433	H7F86	01:30:33 Sat 17-Jun-06	Sample	G6F150196-9
6166433	H7F87	01:34:12 Sat 17-Jun-06	Sample	G6F150196-10
6166433	H7F88	01:37:52 Sat 17-Jun-06	Sample	G6F150196-11
6166433	H7F89	01:41:32 Sat 17-Jun-06	Sample	G6F150196-12
6166433	H7F9A	01:45:13 Sat 17-Jun-06	Sample	G6F150196-13
	CCV 16	01:48:53 Sat 17-Jun-06	Sample	
	CCB 16	01:52:32 Sat 17-Jun-06	Sample	

STL Sacramento RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 06/20/06 13:49:38

File ID: 060616B1 **Analyst: votawb**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	H6LT9 n.i.	G6F020224-1	6160308	2A	1.0	06/16/06 16:33		☐
2	H6LTF n.i.	G6F020219-1	6160319	2A	1.0	06/16/06 16:36		☐
3	H7F9C n.i.	G6F150200-1	6166429	2A	1.0	06/16/06 16:38		☐
4	H7F78 n.i.	G6F150196-1	6166433	2A	1.0	06/16/06 16:41		☐
5	Rinse 3X				3.0	06/16/06 17:48		☐
6	Blank				1.0	06/16/06 17:52		☐
7	Standard 1				1.0	06/16/06 17:56		☐
8	ICV				1.0	06/16/06 18:00		☐
9	ICB				1.0	06/16/06 18:05		☐
10	ICSA				1.0	06/16/06 18:09		☐
11	ICSAB				1.0	06/16/06 18:13		☐
12	Rinse				1.0	06/16/06 18:44		☐
13	FB				1.0	06/16/06 18:48		☐
14	FB				1.0	06/16/06 18:52		☐
15	CCV 1				1.0	06/16/06 18:56		☐
16	CCB 1				1.0	06/16/06 19:01		☐
17	CCV 2				1.0	06/16/06 19:05		☐
18	CCB 2				1.0	06/16/06 19:09		☐
19	H64F0C	G6F090000	6160308	2A	1.0	06/16/06 19:13		☐
20	H64F0L	G6F090000	6160308	2A	1.0	06/16/06 19:17		☐
21	Rinse				1.0	06/16/06 19:21		☐
22	H64F0B	G6F090000	6160308	2A	1.0	06/16/06 19:26		☐
23	H6LT9	G6F020224-1	6160308	2A	1.0	06/16/06 19:30		☐
24	H6LT9P5	G6F020224	6160308		5.0	06/16/06 19:34		☐
25	H6LT9Z	G6F020224-1	6160308		1.0	06/16/06 19:38		☐
26	H6LVC	G6F020224-2	6160308	2A	1.0	06/16/06 19:42		☐
27	H6LVD	G6F020224-3	6160308	2A	1.0	06/16/06 19:46		☐
28	H6LVE	G6F020224-4	6160308	2A	1.0	06/16/06 19:50		☐
29	CCV 3				1.0	06/16/06 19:55		☐
30	CCB 3				1.0	06/16/06 19:59		☐
33	CCV 4				1.0	06/16/06 20:03		☐
34	CCB 4				1.0	06/16/06 20:07		☐
35	H6LVF	G6F020224-5	6160308	2A	1.0	06/16/06 20:11		☐
36	H6LVH	G6F020224-6	6160308	2A	1.0	06/16/06 20:15		☐
37	H6LVK	G6F020224-7	6160308	2A	1.0	06/16/06 20:20		☐
38	H6LVL	G6F020224-8	6160308	2A	1.0	06/16/06 20:24		☐
39	H6LVM	G6F020224-9	6160308	2A	1.0	06/16/06 20:28		☐
40	H6LVN	G6F020224-10	6160308	2A	1.0	06/16/06 20:32		☐
41	H6LVQ	G6F020224-11	6160308	2A	1.0	06/16/06 20:36		☐
42	H6LVR	G6F020224-12	6160308	2A	1.0	06/16/06 20:40		☐
43	H6LVT	G6F020224-13	6160308	2A	1.0	06/16/06 20:45		☐
44	H6LVV	G6F020224-14	6160308	2A	1.0	06/16/06 20:49		☐
45	CCV 5				1.0	06/16/06 20:53		☐
46	CCB 5				1.0	06/16/06 20:57		☐
47	CCV 6				1.0	06/16/06 21:01		☐
48	CCB 6				1.0	06/16/06 21:06		☐

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 06/20/06 13:49:38

File ID: **060616B1** **Analyst: votawb**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
49	H64G4C	G6F090000	6160319	2A	1.0	06/16/06 21:10		☐
50	H64G4L	G6F090000	6160319	2A	1.0	06/16/06 21:14		☐
51	Rinse				1.0	06/16/06 21:18		☐
52	H64G4B	G6F090000	6160319	2A	1.0	06/16/06 21:22		☐
53	H6LTF	G6F020219-1	6160319	2A	1.0	06/16/06 21:26		☐
54	H6LTFP5	G6F020219	6160319		5.0	06/16/06 21:31		☐
55	H6LTFZ	G6F020219-1	6160319		1.0	06/16/06 21:35		☐
56	H6LTG	G6F020219-2	6160319	2A	1.0	06/16/06 21:39		☐
57	H6LTH	G6F020219-3	6160319	2A	1.0	06/16/06 21:43		☐
58	CCV 7				1.0	06/16/06 21:47		☐
59	CCB 7				1.0	06/16/06 21:51		☐
60	CCV 8				1.0	06/16/06 21:55		☐
61	CCB 8				1.0	06/16/06 22:00		☐
62	H6LTK	G6F020219-4	6160319	2A	1.0	06/16/06 22:04		☐
63	H6LTL	G6F020219-5	6160319	2A	1.0	06/16/06 22:08		☐
64	H6LTM	G6F020219-6	6160319	2A	1.0	06/16/06 22:12		☐
65	H6LTN	G6F020219-7	6160319	2A	1.0	06/16/06 22:16		☐
66	H6LTQ	G6F020219-8	6160319	2A	1.0	06/16/06 22:20		☐
67	H6LTV	G6F020219-9	6160319	2A	1.0	06/16/06 22:25		☐
68	H6LTX	G6F020219-10	6160319	2A	1.0	06/16/06 22:29		☐
69	H6LT1	G6F020219-11	6160319	2A	1.0	06/16/06 22:33		☐
70	H6LT2	G6F020219-12	6160319	2A	1.0	06/16/06 22:37		☐
71	H6LT4	G6F020219-13	6160319	2A	1.0	06/16/06 22:41		☐
72	CCV 9				1.0	06/16/06 22:45		☐
73	CCB 9				1.0	06/16/06 22:50		☐
74	CCV 10				1.0	06/16/06 22:54		☐
75	CCB 10				1.0	06/16/06 22:58		☐
76	CCV 11				1.0	06/16/06 23:01		☐
77	CCB 11				1.0	06/16/06 23:05		☐
78	H7HE6C	G6F150000	6166429	2A	1.0	06/16/06 23:08		☐
79	H7HE6L	G6F150000	6166429	2A	1.0	06/16/06 23:12		☐
80	Rinse				1.0	06/16/06 23:16		☐
81	H7HE6B	G6F150000	6166429	2A	1.0	06/16/06 23:19		☐
82	H7F9C	G6F150200-1	6166429	2A	1.0	06/16/06 23:23		☐
83	H7F9CP5	G6F150200	6166429		5.0	06/16/06 23:27		☐
84	H7F9CZ	G6F150200-1	6166429		1.0	06/16/06 23:30		☐
85	H7F9H	G6F150200-2	6166429	2A	1.0	06/16/06 23:34		☐
86	CCV 12				1.0	06/16/06 23:37		☐
87	CCB 12				1.0	06/16/06 23:41		☐
88	H7F9L	G6F150200-3	6166429	2A	1.0	06/16/06 23:45		☐
89	H7F9P	G6F150200-4	6166429	2A	1.0	06/16/06 23:48		☐
90	H7F9R	G6F150200-5	6166429	2A	1.0	06/16/06 23:52		☐
91	H7F9X	G6F150200-6	6166429	2A	1.0	06/16/06 23:56		☐
92	H7F91	G6F150200-7	6166429	2A	1.0	06/16/06 23:59		☐
93	H7F95	G6F150200-8	6166429	2A	1.0	06/17/06 00:03		☐
94	H7F97	G6F150200-9	6166429	2A	1.0	06/17/06 00:06		☐

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 06/20/06 13:49:38

File ID: **060616B1** **Analyst: votawb**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
95	H7F98	G6F150200-10	6166429	2A	1.0	06/17/06 00:10		☐
96	CCV 13				1.0	06/17/06 00:14		☐
97	CCB 13				1.0	06/17/06 00:17		☐
98	CCV 14				1.0	06/17/06 00:21		☐
99	CCB 14				1.0	06/17/06 00:25		☐
100	H7HGGC	G6F150000	6166433	2A	1.0	06/17/06 00:28		☐
101	H7HGGL	G6F150000	6166433	2A	1.0	06/17/06 00:32		☐
102	Rinse				1.0	06/17/06 00:36		☐
103	H7HGGB	G6F150000	6166433	2A	1.0	06/17/06 00:39		☐
104	H7F78	G6F150196-1	6166433	2A	1.0	06/17/06 00:43		☐
105	H7F78P5	G6F150196	6166433		5.0	06/17/06 00:47		☐
106	H7F78X	G6F150196-1	6166433	2A	1.0	06/17/06 00:50		☐
107	H7F78Z	G6F150196-1	6166433		1.0	06/17/06 00:54		☐
108	H7F8P	G6F150196-2	6166433	2A	1.0	06/17/06 00:57		☐
109	H7F8R	G6F150196-3	6166433	2A	1.0	06/17/06 01:01		☐
110	CCV 15				1.0	06/17/06 01:05		☐
111	CCB 15				1.0	06/17/06 01:08		☐
112	H7F8V	G6F150196-4	6166433	2A	1.0	06/17/06 01:12		☐
113	H7F81	G6F150196-5	6166433	2A	1.0	06/17/06 01:16		☐
114	H7F82	G6F150196-6	6166433	2A	1.0	06/17/06 01:19		☐
115	H7F83	G6F150196-7	6166433	2A	1.0	06/17/06 01:23		☐
116	H7F84	G6F150196-8	6166433	2A	1.0	06/17/06 01:26		☐
117	H7F86	G6F150196-9	6166433	2A	1.0	06/17/06 01:30		☐
118	H7F87	G6F150196-10	6166433	2A	1.0	06/17/06 01:34		☐
119	H7F88	G6F150196-11	6166433	2A	1.0	06/17/06 01:37		☐
120	H7F89	G6F150196-12	6166433	2A	1.0	06/17/06 01:41		☐
121	H7F9A	G6F150196-13	6166433	2A	1.0	06/17/06 01:45		☐
122	CCV 16				1.0	06/17/06 01:48		☐
123	CCB 16				1.0	06/17/06 01:52		☐

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 06/20/06 13:49:38

File ID: **060616B1** **Analyst: votawb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	H6LT9 n.i.	06/16/06 16:33	0.1	0.1	0.1	0.0	☐
2	H6LTF n.i.	06/16/06 16:36	0.1	0.0	0.1	0.0	☐
3	H7F9C n.i.	06/16/06 16:38	0.1	0.0	0.1	0.0	☐
4	H7F78 n.i.	06/16/06 16:41	0.3	0.1	0.1	0.1	☐
5	Rinse 3X	06/16/06 17:48	99.2	99.5	97.5	100.2	☐
6	Blank	06/16/06 17:52	100.0	100.0	100.0	100.0	☑
7	Standard 1	06/16/06 17:56	96.4	95.7	95.8	100.2	☑
8	ICV	06/16/06 18:00	96.8	97.2	99.0	100.3	☑
9	ICB	06/16/06 18:05	97.3	98.4	99.0	100.0	☑
10	ICSA	06/16/06 18:09	84.7	82.5	76.9	79.0	☑
11	ICSAB	06/16/06 18:13	83.9	82.5	77.9	78.2	☑
12	Rinse	06/16/06 18:44	96.1	97.5	93.0	99.7	☑
13	FB	06/16/06 18:48	99.7	100.2	100.6	101.5	☑
14	FB	06/16/06 18:52	100.1	100.6	101.0	99.5	☑
15	CCV 1	06/16/06 18:56	94.8	94.8	93.1	97.6	☑
16	CCB 1	06/16/06 19:01	96.7	97.2	95.3	99.1	☑
17	CCV 2	06/16/06 19:05	95.4	95.0	95.8	98.9	☑
18	CCB 2	06/16/06 19:09	96.5	98.1	95.9	99.0	☑
19	H64F0C	06/16/06 19:13	91.4	92.1	112.1	89.2	☑
20	H64F0L	06/16/06 19:17	93.5	94.8	120.5	87.7	☑
21	Rinse	06/16/06 19:21	102.2	102.7	125.8	94.1	☑
22	H64F0B	06/16/06 19:26	103.7	107.4	131.0	97.0	☑
23	H6LT9	06/16/06 19:30	105.2	107.4	131.4	98.3	☑
24	H6LT9P5	06/16/06 19:34	102.5	105.3	127.6	96.9	☐
25	H6LT9Z	06/16/06 19:38	101.4	104.3	125.5	99.2	☑
26	H6LVC	06/16/06 19:42	102.1	104.8	123.8	98.7	☑
27	H6LVD	06/16/06 19:46	102.7	105.5	123.0	99.3	☑
28	H6LVE	06/16/06 19:50	102.5	106.3	123.3	98.5	☑
29	CCV 3	06/16/06 19:55	97.2	99.0	111.1	96.9	☑
30	CCB 3	06/16/06 19:59	98.7	101.2	110.6	97.1	☑
33	CCV 4	06/16/06 20:03	99.4	98.7	101.0	100.6	☑
34	CCB 4	06/16/06 20:07	101.3	100.8	101.3	102.8	☑
35	H6LVF	06/16/06 20:11	106.4	104.9	108.0	101.3	☑
36	H6LVH	06/16/06 20:15	106.2	104.4	107.2	101.8	☑
37	H6LVK	06/16/06 20:20	107.0	105.4	108.8	103.5	☑
38	H6LVL	06/16/06 20:24	105.9	104.9	107.7	101.7	☑
39	H6LVM	06/16/06 20:28	106.7	105.2	108.4	103.8	☑
40	H6LVN	06/16/06 20:32	106.5	105.0	108.3	103.0	☑
41	H6LVQ	06/16/06 20:36	106.9	105.7	107.6	104.6	☑
42	H6LVR	06/16/06 20:40	106.6	105.3	107.2	104.5	☑
43	H6LVT	06/16/06 20:45	106.5	104.8	106.6	103.6	☑
44	H6LVV	06/16/06 20:49	107.1	105.6	108.6	104.2	☑
45	CCV 5	06/16/06 20:53	100.6	98.9	101.0	102.0	☑
46	CCB 5	06/16/06 20:57	102.5	102.0	103.7	103.9	☑
47	CCV 6	06/16/06 21:01	100.3	99.8	103.5	102.7	☑
48	CCB 6	06/16/06 21:06	102.7	101.9	104.3	104.7	☑

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 06/20/06 13:49:38

File ID: **060616B1** **Analyst: votawb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
49	H64G4C	06/16/06 21:10	102.6	103.6	109.1	106.1	☑
50	H64G4L	06/16/06 21:14	102.1	103.8	109.0	104.9	☑
51	Rinse	06/16/06 21:18	102.3	102.6	106.8	102.8	☑
52	H64G4B	06/16/06 21:22	104.9	105.5	109.9	106.3	☑
53	H6LTF	06/16/06 21:26	105.9	104.8	112.2	103.2	☑
54	H6LTFP5	06/16/06 21:31	103.5	102.9	107.8	103.4	☐
55	H6LTFZ	06/16/06 21:35	103.1	103.7	111.2	104.6	☑
56	H6LTG	06/16/06 21:39	103.9	104.4	109.6	104.7	☑
57	H6LTH	06/16/06 21:43	105.2	104.4	111.3	105.2	☑
58	CCV 7	06/16/06 21:47	101.5	100.4	105.2	102.3	☑
59	CCB 7	06/16/06 21:51	102.9	102.9	106.9	103.6	☑
60	CCV 8	06/16/06 21:55	101.5	100.6	106.6	102.0	☑
61	CCB 8	06/16/06 22:00	103.6	103.7	107.6	104.9	☑
62	H6LTK	06/16/06 22:04	106.2	105.2	112.0	105.0	☑
63	H6LTL	06/16/06 22:08	106.0	105.8	111.7	105.4	☑
64	H6LTM	06/16/06 22:12	106.4	105.9	111.3	107.0	☑
65	H6LTN	06/16/06 22:16	107.8	106.1	112.4	106.7	☑
66	H6LTQ	06/16/06 22:20	107.8	107.3	112.5	105.3	☑
67	H6LTV	06/16/06 22:25	107.5	106.6	111.3	105.0	☑
68	H6LTX	06/16/06 22:29	107.3	107.4	112.2	106.3	☑
69	H6LT1	06/16/06 22:33	104.0	103.8	109.0	105.7	☑
70	H6LT2	06/16/06 22:37	103.6	101.9	109.2	105.8	☑
71	H6LT4	06/16/06 22:41	104.4	104.9	109.5	106.8	☑
72	CCV 9	06/16/06 22:45	103.3	100.6	106.0	105.6	☑
73	CCB 9	06/16/06 22:50	104.6	102.9	108.0	105.7	☑
74	CCV 10	06/16/06 22:54	103.2	100.6	107.2	102.8	☑
75	CCB 10	06/16/06 22:58	104.6	102.0	107.9	103.7	☑
76	CCV 11	06/16/06 23:01	103.3	99.9	107.6	104.7	☑
77	CCB 11	06/16/06 23:05	105.8	104.8	109.6	104.9	☑
78	H7HE6C	06/16/06 23:08	103.7	104.5	112.4	105.1	☑
79	H7HE6L	06/16/06 23:12	102.7	103.7	111.0	107.3	☑
80	Rinse	06/16/06 23:16	103.3	103.2	108.3	103.8	☑
81	H7HE6B	06/16/06 23:19	104.8	104.8	111.5	106.7	☑
82	H7F9C	06/16/06 23:23	106.6	107.8	113.7	107.8	☑
83	H7F9CP5	06/16/06 23:27	104.8	104.8	111.6	105.0	☐
84	H7F9CZ	06/16/06 23:30	103.3	104.1	113.2	106.0	☑
85	H7F9H	06/16/06 23:34	103.3	103.7	110.4	105.1	☑
86	CCV 12	06/16/06 23:37	102.5	99.7	108.5	102.4	☑
87	CCB 12	06/16/06 23:41	103.7	103.6	109.6	102.7	☑
88	H7F9L	06/16/06 23:45	106.0	106.4	113.8	105.7	☑
89	H7F9P	06/16/06 23:48	106.6	105.5	113.9	107.1	☑
90	H7F9R	06/16/06 23:52	105.7	105.6	113.7	105.4	☑
91	H7F9X	06/16/06 23:56	106.5	106.4	113.7	105.3	☑
92	H7F91	06/16/06 23:59	106.0	105.5	113.5	105.6	☑
93	H7F95	06/17/06 00:03	107.0	107.1	114.8	105.9	☑
94	H7F97	06/17/06 00:06	106.5	106.6	114.8	106.1	☑

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 06/20/06 13:49:38

File ID: **060616B1** **Analyst: votawb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
95	H7F98	06/17/06 00:10	107.3	107.9	115.5	108.1	☑
96	CCV 13	06/17/06 00:14	103.7	101.9	111.5	101.9	☑
97	CCB 13	06/17/06 00:17	106.0	104.4	112.0	104.4	☑
98	CCV 14	06/17/06 00:21	104.0	101.0	110.4	101.0	☑
99	CCB 14	06/17/06 00:25	104.8	103.9	109.2	103.5	☑
100	H7HGGC	06/17/06 00:28	103.7	104.0	114.4	104.2	☑
101	H7HGGL	06/17/06 00:32	102.7	103.4	112.7	105.2	☑
102	Rinse	06/17/06 00:36	103.4	103.4	111.4	103.9	☑
103	H7HGGB	06/17/06 00:39	104.1	104.7	113.8	103.8	☑
104	H7F78	06/17/06 00:43	104.9	104.2	112.2	104.4	☑
105	H7F78P5	06/17/06 00:47	105.9	104.3	111.5	103.0	☐
106	H7F78X	06/17/06 00:50	105.7	105.6	111.7	104.9	☑
107	H7F78Z	06/17/06 00:54	100.2	100.3	108.0	100.5	☑
108	H7F8P	06/17/06 00:57	104.2	103.0	109.1	103.8	☑
109	H7F8R	06/17/06 01:01	105.4	105.2	110.5	102.7	☑
110	CCV 15	06/17/06 01:05	103.1	99.8	108.1	100.0	☑
111	CCB 15	06/17/06 01:08	105.1	103.3	110.4	102.2	☑
112	H7F8V	06/17/06 01:12	105.6	104.4	111.2	103.1	☑
113	H7F81	06/17/06 01:16	106.1	105.1	110.4	105.4	☑
114	H7F82	06/17/06 01:19	106.5	105.3	110.7	105.9	☑
115	H7F83	06/17/06 01:23	106.1	105.8	110.5	104.9	☑
116	H7F84	06/17/06 01:26	106.0	105.4	110.1	103.0	☑
117	H7F86	06/17/06 01:30	107.0	105.9	111.8	105.1	☑
118	H7F87	06/17/06 01:34	106.8	105.6	111.0	104.7	☑
119	H7F88	06/17/06 01:37	106.6	105.3	110.5	105.1	☑
120	H7F89	06/17/06 01:41	106.6	105.0	110.9	105.8	☑
121	H7F9A	06/17/06 01:45	106.1	104.4	111.1	103.9	☑
122	CCV 16	06/17/06 01:48	104.7	102.4	109.3	103.0	☑
123	CCB 16	06/17/06 01:52	106.0	104.4	110.6	104.4	☑

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

File Name: 6160308.mth
File Path: C:\elandata\Method\6160308.mth

Timing Parameters

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

Analyte	Mass	Scan Mode	MCA Channels	Dwell Time	Integration Time
Sc	44.956	Peak Hopping	1	14.0 ms	700 ms
Li-1	6.015	Peak Hopping	1	14.0 ms	700 ms
Be	9.012	Peak Hopping	1	14.0 ms	700 ms
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
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
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

Report Date/Time: Monday, June 19, 2006 14:44:05

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
Kr	82.914	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
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	- 0.00324 * 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			
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			
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				

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	
207.97	207.977	Linear Thru Zero	ug/L	ug/L	100
Pb	206.976	Linear Thru Zero	ug/L	ug/L	100
Pb	205.975	Linear Thru Zero	ug/L	ug/L	100
Tm	168.934	Linear Thru Zero	ug/L	ug/L	
Pd	105.903	Linear Thru Zero	ug/L	ug/L	100
Kr	82.914	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: 2532-67B

Internal standard: 2532-68A

Blank, CCBs: 2531-23E

Standard 1, CCVs: 2532-68C

ICV: 2532-63D

ICSA: 2532-67D

ICSAB: 2532-67E

File Number: **060616B1**

Instrument Tuning Report - Elan 6000

File Name: default.tun

Sample Information

Sample Date/Time: Friday, June 16, 2006 11:50:53
Sample ID: TUNE BJONES

Analyte	Exact Mass	Meas. Mass	Mass DAC	Meas. Pk. Width	Res. DAC	Custom Res.
Li	7.016	7.027	1550	0.736	2038	
Be	9.012	8.928	2050	0.725	2027	
Co	58.933	58.929	14285	0.733	1900	
In	114.904	114.878	27944	0.732	1864	
Ce	139.905	139.878	34027	0.725	1909	
Tl	204.975	204.979	49744	0.743	2127	
Pb	207.977	207.979	50452	0.717	2146	
U	238.050	238.076	57687	0.719	2307	

Elan 6000 Instrument Optomization Report

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

Sample Information

Sample Date/Time: Friday, June 16, 2006 11:50:53
Sample ID: TUNE BJONES

Parameter Settings

Nebulizer Gas Flow	0.9
Lens Voltage	5.8
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

AutoLens Calibration

Date:	11:55:02 Fri 16-Jun-06
Sample Filename:	AUTOLENS BJONES.002
Dataset Pathname:	060616A1\
Lens Voltage Start:	4.00 V
Lens Voltage End:	7.00 V
Lens Voltage Step:	0.25 V
Slope:	0.0094
Intercept:	5.4250

Analyte	Mass	Optimum Voltage	Maximum Intensity	# Points
Be	9.012	5.5 V	5144 cps	13
Co	58.933	6.0 V	283389 cps	13
In	114.904	6.5 V	506933 cps	13

Dual Detector Calibration

Date:	17:12:38 Thu 08-Jun-06
Sample Filename:	DUAL BJONES.752
Dataset Pathname:	c:\elandata\Dataset\dual detector calibration\
Points Acquired:	37
Lens Voltage Start:	-3.00 V
Lens Voltage End:	15.00 V
Lens Voltage Step:	0.50 V

Analyte	Mass	Gain	N(max)
Li	6.016	6887	1.82e+009 cps
Li	7.016	6412	1.95e+009 cps
Be	9.012	5988	2.09e+009 cps
B	11.009	6315	1.98e+009 cps
Na	22.990	6283	1.99e+009 cps

Report Date/Time: Friday, June 16, 2006 16:20:14

Mg	23.985	5880	2.13e+009 cps
Mg	24.988	5606	2.23e+009 cps
Al	26.982	5476	2.29e+009 cps
P	30.995	5126	2.44e+009 cps
K	38.963	4982	2.51e+009 cps
Ca	42.959	4696	2.67e+009 cps
Ca	43.954	4905	2.55e+009 cps
Sc	44.957	4947	2.53e+009 cps
V	50.944	4866	2.57e+009 cps
Cr	51.943	4614	2.71e+009 cps
Fe	53.941	4573	2.74e+009 cps
Mn	54.940	4563	2.74e+009 cps
Fe	56.934	4410	2.84e+009 cps
Co	58.934	4308	2.91e+009 cps
Ni	59.934	4293	2.92e+009 cps
Cu	62.932	4198	2.98e+009 cps
Cu	64.927	4165	3.01e+009 cps
Zn	67.925	4247	2.95e+009 cps
Ge	71.922	4284	2.92e+009 cps
As	74.921	4219	2.97e+009 cps
Se	77.919	4286	2.92e+009 cps
Br	78.918		cps
Se	81.917	4161	3.01e+009 cps
Sr	87.905	4250	2.95e+009 cps
Mo	96.908	4211	2.97e+009 cps
Ag	106.906	3791	3.30e+009 cps
Ag	108.905	3773	3.32e+009 cps
Cd	110.904	3972	3.15e+009 cps
Cd	113.902	3951	3.17e+009 cps
In	114.903	3899	3.21e+009 cps
Sn	117.902	4019	3.11e+009 cps
Sb	120.902	3915	3.20e+009 cps
Ba	134.906	3868	3.24e+009 cps
Tm	168.932	3723	3.36e+009 cps
Tl	204.973	3584	3.49e+009 cps
Pb	207.979	3499	3.58e+009 cps
Bi	208.979	3544	3.53e+009 cps
U	238.050	3577	3.50e+009 cps

Daily Performance Report - Elan 6000

Sample ID: DAILY BJONES
Sample Date/Time: Friday, June 16, 2006 11:57:13
Sample Description:
Sample File: C:\elandata\Sample\6160308X.sam
Method File: C:\elandata\Method\000-DAILY_EPA.mth
Dataset File: C:\elandata\Dataset\060616A1\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	90013.515	545.693	0.606
	Rh	103	348027.543	3016.427	0.867
	Pb	208	163992.550	1822.291	1.111
⌈>	Ba	138	350134.534	1736.108	0.496
⌊	Ba++	69	0.032	0.000	1.192
⌈>	Ce	140	425255.484	2638.165	0.620
⌊	CeO	156	0.029	0.001	2.127
	Bkgd	220	5.429	0.639	11.769
	Li	7	17183.805	247.732	1.442
	Be	9	5038.158	120.206	2.386
	Co	59	265327.903	3485.506	1.314
	In	115	494760.415	4499.678	0.909
	Tl	205	242931.850	2649.836	1.091

Sample ID: H6LT9 n.i.
Sample Description: G6F020224-1 N.I.
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 16:33:26
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: C:\elandata\Dataset\060616B1\H6LT9 n.i..001
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			388.577	ug/L	0.000
45	Sc			17561.857	ug/L	0.000
69	Ga			3842.972	ug/L	0.000
72	Ge			1250.539	ug/L	0.000
89	Y			3060.375	ug/L	0.000
103	Rh			43.333	ug/L	0.000
115	In			878.509	ug/L	0.000
133	Cs			2197.336	ug/L	0.000
165	Ho			112.858	ug/L	0.000
169	Tm			348.100	ug/L	0.000
209	Bi			979.086	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	94.426
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	97.902
Ho	165	
Tm	169	
Bi	209	

Sample ID: H6LTF n.i.
Sample Description: G6F020219-1 N.I.
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 16:36:12
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: C:\elandata\Dataset\060616B1\H6LTF n.i..002
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			359.053	ug/L	0.000
45	Sc			16630.582	ug/L	0.000
69	Ga			3706.264	ug/L	0.000
72	Ge			1152.910	ug/L	0.000
89	Y			2334.027	ug/L	0.000
103	Rh			39.048	ug/L	0.000
115	In			568.119	ug/L	0.000
133	Cs			1750.123	ug/L	0.000
165	Ho			80.476	ug/L	0.000
169	Tm			255.717	ug/L	0.000
209	Bi			806.217	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	94.426
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	97.902
Ho	165	
Tm	169	
Bi	209	

Sample ID: H7F9C n.i.
Sample Description: G6F150200-1 N.I.
Batch ID: 6166429
Sample Date/Time: Friday, June 16, 2006 16:38:58
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: C:\elandata\Dataset\060616B1\H7F9C n.i..003
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			289.527	ug/L	0.000
45	Sc			13132.134	ug/L	0.000
69	Ga			1579.148	ug/L	0.000
72	Ge			954.322	ug/L	0.000
89	Y			70.000	ug/L	0.000
103	Rh			3.810	ug/L	0.000
115	In			510.170	ug/L	0.000
133	Cs			24.286	ug/L	0.000
165	Ho			5.714	ug/L	0.000
169	Tm			200.478	ug/L	0.000
209	Bi			380.958	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	94.426
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	97.902
Ho	165	
Tm	169	
Bi	209	

Sample ID: H7F78 n.i.
Sample Description: G6F150196-1 N.I.
Batch ID: 6166433
Sample Date/Time: Friday, June 16, 2006 16:41:45
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: C:\elandata\Dataset\060616B1\H7F78 n.i..004
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			490.486	ug/L	0.000
45	Sc			31861.510	ug/L	0.000
69	Ga			47543.103	ug/L	0.000
72	Ge			4383.150	ug/L	0.000
89	Y			44245.311	ug/L	0.000
103	Rh			342.386	ug/L	0.000
115	In			964.401	ug/L	0.000
133	Cs			5636.510	ug/L	0.000
165	Ho			1578.671	ug/L	0.000
169	Tm			707.163	ug/L	0.000
209	Bi			13403.849	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	94.426
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	97.902
Ho	165	
Tm	169	
Bi	209	

Sample ID: Rinse 3X
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 17:48:06
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\Rinse 3X.005
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1293915.660	ug/L	1303995.384
>	6	Li-1			391664.412	ug/L	401796.460
	9	Be	-0.009587	38.375	1.000	ug/L	3.667
	44	Ca	0.683484	66.379	21942.814	ug/L	21885.678
	51	V	0.151572	181.229	-42712.103	ug/L	-44980.013
	52	Cr	0.063329	78.783	37219.332	ug/L	36808.261
	55	Mn	-0.006007	59.919	2111.588	ug/L	2237.619
	59	Co	-0.000991	59.107	93.667	ug/L	108.667
	60	Ni	-0.070379	4.278	51.322	ug/L	268.822
	65	Cu	-0.000152	1389.331	67.047	ug/L	68.002
	68	Zn	0.098251	36.891	1837.860	ug/L	1752.842
	75	As	0.286252	99.426	17708.368	ug/L	17125.751
	82	Se	-0.312061	255.246	1155.598	ug/L	1240.645
	97	Mo	0.015591	72.079	192.335	ug/L	164.335
>	72	Ge-1			988058.825	ug/L	995901.238
	107	Ag	-0.002346	34.866	32.667	ug/L	56.334
	111	Cd	-0.001832	212.412	4.098	ug/L	8.330
	121	Sb	-0.000532	187.230	77.334	ug/L	81.667
	135	Ba	-0.006931	16.230	181.002	ug/L	196.002
>	115	In-1			1030257.454	ug/L	1035315.504
	208	Pb	-0.000275	679.097	424.337	ug/L	430.337
>	169	Tm-1			637516.113	ug/L	636245.719
	50	Cr	-0.119228	105.844	-1061.630	ug/L	-1041.751
	53	Cr	4.852006	65.804	179939.091	ug/L	175830.770
	61	Ni	0.355263	426.182	2275.162	ug/L	2275.496
	63	Cu	0.001010	387.924	71.667	ug/L	70.001
	67	Zn	3.870663	42.675	2416.269	ug/L	2088.698
	66	Zn	0.053666	131.048	635.731	ug/L	613.060
	76	Se	-3.948628	94.659	-125602.189	ug/L	-126424.480
	77	Se	-2.472177	3.005	15733.229	ug/L	16263.240
	78	Se	-0.467472	144.704	19288.615	ug/L	19723.901
	79	Br	758.336583	62.285	52718.007	ug/L	50339.867
>	72	Ge			988058.825	ug/L	995901.238
	108	Cd	0.000146	10915.948	4.383	ug/L	4.383
	114	Cd	-0.001613	102.052	22.313	ug/L	31.392

	109 Ag	-0.001858	57.278	15.667	ug/L	22.333
>	115 In			1030257.454	ug/L	1035315.504
	208 207.977	-0.000717	289.165	215.003	ug/L	223.336
	207 Pb	0.000555	207.782	100.001	ug/L	97.001
	206 Pb	-0.000116	2403.398	109.334	ug/L	110.001
>	169 Tm			637516.113	ug/L	636245.719
	106 Pd	-0.014063	21.651	3.333	ug/L	6.000
	83 Kr	119.192948	158.671	1127.385	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	97.478
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	99.213
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.511
	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	99.213
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.511
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	100.200
	Pd	106	
	Kr	83	

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

Sample ID: Blank
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 17:52:32
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\Blank.006
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			1303995.384	ug/L	
>	6	Li-1			401796.460	ug/L	
	9	Be			3.667	ug/L	
	44	Ca			21885.678	ug/L	
	51	V			-44980.013	ug/L	
	52	Cr			36808.261	ug/L	
	55	Mn			2237.619	ug/L	
	59	Co			108.667	ug/L	
	60	Ni			268.822	ug/L	
	65	Cu			68.002	ug/L	
	68	Zn			1752.842	ug/L	
	75	As			17125.751	ug/L	
	82	Se			1240.645	ug/L	
	97	Mo			164.335	ug/L	
>	72	Ge-1			995901.238	ug/L	
	107	Ag			56.334	ug/L	
	111	Cd			8.330	ug/L	
	121	Sb			81.667	ug/L	
	135	Ba			196.002	ug/L	
>	115	In-1			1035315.504	ug/L	
	208	Pb			430.337	ug/L	
>	169	Tm-1			636245.719	ug/L	
	50	Cr			-1041.751	ug/L	
	53	Cr			175830.770	ug/L	
	61	Ni			2275.496	ug/L	
	63	Cu			70.001	ug/L	
	67	Zn			2088.698	ug/L	
	66	Zn			613.060	ug/L	
	76	Se			-126424.480	ug/L	
	77	Se			16263.240	ug/L	
	78	Se			19723.901	ug/L	
	79	Br			50339.867	ug/L	
>	72	Ge			995901.238	ug/L	
	108	Cd			4.383	ug/L	
	114	Cd			31.392	ug/L	

	109 Ag	22.333	ug/L
>	115 In	1035315.504	ug/L
	208 207.977	223.336	ug/L
	207 Pb	97.001	ug/L
	206 Pb	110.001	ug/L
>	169 Tm	636245.719	ug/L
	106 Pd	6.000	ug/L
	83 Kr	1206.058	ug/L

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	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	
	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	
	Kr	83	

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

Sample ID: Standard 1
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 17:56:53
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\Standard 1.007
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			1240954.882	ug/L	1303995.384
>	6	Li-1			385051.634	ug/L	401796.460
	9	Be	100.000000	0.903	26481.680	ug/L	3.667
	44	Ca	5100.000000	0.870	1683750.982	ug/L	21885.678
	51	V	100.000000	1.314	1176785.731	ug/L	-44980.013
	52	Cr	100.000000	0.569	1112375.329	ug/L	36808.261
	55	Mn	100.000000	0.591	1752822.283	ug/L	2237.619
	59	Co	100.000000	0.722	1388632.984	ug/L	108.667
	60	Ni	100.000000	0.808	297507.191	ug/L	268.822
	65	Cu	100.000000	0.561	275201.085	ug/L	68.002
	68	Zn	100.000000	0.166	99497.913	ug/L	1752.842
	75	As	100.000000	0.971	260666.506	ug/L	17125.751
	82	Se	100.000000	1.814	24457.495	ug/L	1240.645
	97	Mo	200.000000	1.305	364490.397	ug/L	164.335
>	72	Ge-1			959814.740	ug/L	995901.238
	107	Ag	50.000000	0.742	479313.493	ug/L	56.334
	111	Cd	100.000000	0.226	220070.711	ug/L	8.330
	121	Sb	50.000000	1.633	356594.122	ug/L	81.667
	135	Ba	100.000000	0.842	194965.914	ug/L	196.002
>	115	In-1			990655.793	ug/L	1035315.504
	208	Pb	100.000000	1.317	2397983.670	ug/L	430.337
>	169	Tm-1			637530.948	ug/L	636245.719
	50	Cr	100.000000	3.942	21876.658	ug/L	-1041.751
	53	Cr	100.000000	7.529	279595.127	ug/L	175830.770
	61	Ni	100.000000	0.874	6967.092	ug/L	2275.496
	63	Cu	100.000000	0.509	213570.163	ug/L	70.001
	67	Zn	100.000000	1.576	10653.804	ug/L	2088.698
	66	Zn	100.000000	0.189	50264.726	ug/L	613.060
	76	Se	100.000000	21.867	-117570.117	ug/L	-126424.480
	77	Se	100.000000	4.539	31473.606	ug/L	16263.240
	78	Se	100.000000	0.411	76983.529	ug/L	19723.901
	79	Br	100.000000	452.037	48884.867	ug/L	50339.867
>	72	Ge			959814.740	ug/L	995901.238
	108	Cd	100.000000	0.424	15224.940	ug/L	4.383
	114	Cd	100.000000	0.359	532831.595	ug/L	31.392

	109 Ag	50.000000	0.908	169798.731	ug/L	22.333
>	115 In			990655.793	ug/L	1035315.504
	208 207.977	100.000000	1.466	1205238.611	ug/L	223.336
	207 Pb	100.000000	2.168	510701.994	ug/L	97.001
	206 Pb	100.000000	0.579	682043.065	ug/L	110.001
>	169 Tm			637530.948	ug/L	636245.719
	106 Pd	100.000000	1.333	18968.206	ug/L	6.000
	83 Kr	100.000000	291.307	1140.053	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	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	
	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	
	Kr	83	

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: Friday, June 16, 2006 18:00:58
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\ICV .008
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			1265994.391	ug/L	1303995.384
>	6	Li-1			397934.630	ug/L	401796.460
	9	Be	80.922709	2.199	22147.335	ug/L	3.667
	44	Ca	905.072892	1.106	317516.316	ug/L	21885.678
	51	V	83.988133	0.239	985745.018	ug/L	-44980.013
	52	Cr	85.205952	0.272	957158.011	ug/L	36808.261
	55	Mn	82.394407	1.884	1450730.538	ug/L	2237.619
	59	Co	83.052217	1.006	1158352.545	ug/L	108.667
	60	Ni	83.219307	0.477	248700.828	ug/L	268.822
	65	Cu	83.977180	0.383	232106.327	ug/L	68.002
	68	Zn	83.209366	0.409	83432.555	ug/L	1752.842
	75	As	80.251573	0.754	213372.966	ug/L	17125.751
	82	Se	82.337141	0.588	20439.911	ug/L	1240.645
	97	Mo	82.068610	0.911	150327.165	ug/L	164.335
>	72	Ge-1			963973.592	ug/L	995901.238
	107	Ag	41.993728	1.049	408814.825	ug/L	56.334
	111	Cd	81.947692	1.811	183130.673	ug/L	8.330
	121	Sb	40.390779	1.042	292556.420	ug/L	81.667
	135	Ba	80.746160	0.286	159910.730	ug/L	196.002
>	115	In-1			1006031.807	ug/L	1035315.504
	208	Pb	84.223046	1.367	2020957.809	ug/L	430.337
>	169	Tm-1			637867.074	ug/L	636245.719
	50	Cr	74.898564	0.799	16197.198	ug/L	-1041.751
	53	Cr	84.613585	3.010	263745.106	ug/L	175830.770
	61	Ni	82.440281	1.022	6155.056	ug/L	2275.496
	63	Cu	84.051507	0.967	180292.296	ug/L	70.001
	67	Zn	83.898470	0.869	9301.825	ug/L	2088.698
	66	Zn	82.116868	1.350	41558.523	ug/L	613.060
	76	Se	122.689683	12.187	-117106.448	ug/L	-126424.480
	77	Se	82.558378	0.323	28837.226	ug/L	16263.240
	78	Se	81.450606	1.420	66514.408	ug/L	19723.901
	79	Br	1110.678852	14.016	52696.200	ug/L	50339.867
>	72	Ge			963973.592	ug/L	995901.238
	108	Cd	78.511652	0.674	12139.555	ug/L	4.383
	114	Cd	81.734579	0.548	442271.330	ug/L	31.392

	109 Ag	41.132533	0.783	141840.585	ug/L	22.333
>	115 In			1006031.807	ug/L	1035315.504
	208 207.977	84.795667	1.962	1022629.034	ug/L	223.336
	207 Pb	82.571386	1.581	422007.862	ug/L	97.001
	206 Pb	84.448031	0.301	576320.914	ug/L	110.001
>	169 Tm			637867.074	ug/L	636245.719
	106 Pd	82.974601	2.188	15739.815	ug/L	6.000
	83 Kr	104.546782	103.813	1137.052	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	99.039
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	96.794
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	97.172
	Pb	208	
>	Tm-1	169	100.255
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	96.794
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	97.172
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	100.255
	Pd	106	
	Kr	83	

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

Sample ID: ICB
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 18:05:09
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\ICB.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			1281288.298	ug/L	1303995.384
>	6 Li-1			397871.010	ug/L	401796.460
	9 Be	-0.003529	118.940	2.667	ug/L	3.667
	44 Ca	2.621073	28.056	22157.689	ug/L	21885.678
	51 V	0.411890	39.799	-38692.480	ug/L	-44980.013
	52 Cr	0.261924	26.457	38661.241	ug/L	36808.261
	55 Mn	0.001534	135.620	2204.278	ug/L	2237.619
	59 Co	0.001779	25.413	130.668	ug/L	108.667
	60 Ni	0.002673	397.350	269.619	ug/L	268.822
	65 Cu	-0.000718	277.903	64.169	ug/L	68.002
	68 Zn	0.392897	53.391	2093.252	ug/L	1752.842
	75 As	0.080251	230.634	16861.017	ug/L	17125.751
	82 Se	-0.071752	828.486	1190.420	ug/L	1240.645
	97 Mo	0.106467	29.129	355.674	ug/L	164.335
>	72 Ge-1			969009.582	ug/L	995901.238
	107 Ag	0.014750	29.707	201.002	ug/L	56.334
	111 Cd	0.001694	119.934	12.044	ug/L	8.330
	121 Sb	0.148171	14.957	1167.746	ug/L	81.667
	135 Ba	-0.000469	907.680	192.002	ug/L	196.002
>	115 In-1			1019205.420	ug/L	1035315.504
	208 Pb	0.007419	13.834	608.008	ug/L	430.337
>	169 Tm-1			636212.893	ug/L	636245.719
	50 Cr	0.267157	36.046	-951.907	ug/L	-1041.751
	53 Cr	-10.016890	30.321	159949.754	ug/L	175830.770
	61 Ni	0.942183	191.063	2259.484	ug/L	2275.496
	63 Cu	0.001036	367.014	70.334	ug/L	70.001
	67 Zn	1.576092	81.111	2169.754	ug/L	2088.698
	66 Zn	0.353635	55.008	773.763	ug/L	613.060
	76 Se	10.607539	136.401	-122553.759	ug/L	-126424.480
	77 Se	-7.447630	17.422	14636.565	ug/L	16263.240
	78 Se	-0.391061	10.895	18962.388	ug/L	19723.901
	79 Br	-118.137140	258.796	48555.485	ug/L	50339.867
>	72 Ge			969009.582	ug/L	995901.238
	108 Cd	0.014803	83.327	6.630	ug/L	4.383
	114 Cd	-0.000130	1587.234	30.208	ug/L	31.392

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	109 Ag	0.012790	5.235	66.667	ug/L	22.333
>	115 In			1019205.420	ug/L	1035315.504
	208 207.977	0.007708	5.009	316.006	ug/L	223.336
	207 Pb	0.006856	28.598	132.001	ug/L	97.001
	206 Pb	0.007331	43.377	160.001	ug/L	110.001
>	169 Tm			636212.893	ug/L	636245.719
	106 Pd	-0.001758	754.984	5.667	ug/L	6.000
	83 Kr	-0.000534	1191642.702	1206.059	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	99.023
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	97.300
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.444
	Pb	208	
>	Tm-1	169	99.995
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	97.300
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.444
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.995
	Pd	106	
	Kr	83	

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

Sample ID: ICSA
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 18:09:19
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\ICSA.010
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			1069106.616	ug/L	1303995.384
>	6	Li-1			308810.904	ug/L	401796.460
	9	Be	0.037027	58.254	10.667	ug/L	3.667
	44	Ca	99181.981360	1.530	28437846.949	ug/L	21885.678
	51	V	1.130154	13.315	-25980.043	ug/L	-44980.013
	52	Cr	1.541787	4.049	45770.747	ug/L	36808.261
	55	Mn	2.395654	0.339	38755.974	ug/L	2237.619
	59	Co	1.689137	0.229	20706.137	ug/L	108.667
	60	Ni	1.920778	9.903	5245.793	ug/L	268.822
	65	Cu	0.786707	9.041	1959.922	ug/L	68.002
	68	Zn	4.088237	0.726	4999.094	ug/L	1752.842
	75	As	-0.160629	178.559	14161.546	ug/L	17125.751
	82	Se	0.608207	26.405	1175.245	ug/L	1240.645
	97	Mo	1999.600264	0.633	3201950.572	ug/L	164.335
>	72	Ge-1			843578.186	ug/L	995901.238
	107	Ag	0.263908	1.644	2226.283	ug/L	56.334
	111	Cd	0.702855	9.021	1339.896	ug/L	8.330
	121	Sb	2.323414	1.505	14343.414	ug/L	81.667
	135	Ba	0.813082	3.846	1526.133	ug/L	196.002
>	115	In-1			853662.595	ug/L	1035315.504
	208	Pb	1.027698	0.406	19773.357	ug/L	430.337
>	169	Tm-1			502733.371	ug/L	636245.719
	50	Cr	192.013708	9.996	37718.903	ug/L	-1041.751
	53	Cr	-29.228613	6.186	120661.706	ug/L	175830.770
	61	Ni	29.207096	4.916	3152.923	ug/L	2275.496
	63	Cu	5.426793	2.939	10242.100	ug/L	70.001
	67	Zn	23.253949	3.189	3534.999	ug/L	2088.698
	66	Zn	10.022190	2.353	4894.832	ug/L	613.060
	76	Se	-186.721932	10.386	-114098.293	ug/L	-126424.480
	77	Se	12.197431	15.192	15468.901	ug/L	16263.240
	78	Se	0.348598	82.707	16884.737	ug/L	19723.901
	79	Br	1319258.354205	0.810	4166470.303	ug/L	50339.867
>	72	Ge			843578.186	ug/L	995901.238
	108	Cd	83.416365	0.787	10944.235	ug/L	4.383
	114	Cd	4.677619	2.118	21501.751	ug/L	31.392

	109 Ag	0.236137	4.700	709.414	ug/L	22.333
>	115 In			853662.595	ug/L	1035315.504
	208 207.977	1.071859	0.791	10363.801	ug/L	223.336
	207 Pb	1.029289	1.379	4222.352	ug/L	97.001
	206 Pb	0.948460	1.383	5187.204	ug/L	110.001
>	169 Tm			502733.371	ug/L	636245.719
	106 Pd	0.509789	6.731	102.667	ug/L	6.000
	83 Kr	-531.833209	22.125	1557.097	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	76.858
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	84.705
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	82.454
	Pb	208	
>	Tm-1	169	79.016
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	84.705
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	82.454
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	79.016
	Pd	106	
	Kr	83	

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

Sample ID: ICSAB
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 18:13:27
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\ICSAB.011
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			1100387.424	ug/L	1303995.384
>	6	Li-1			313085.809	ug/L	401796.460
	9	Be	95.068559	2.504	20460.896	ug/L	3.667
	44	Ca	103399.992294	1.691	29370549.126	ug/L	21885.678
	51	V	102.291119	0.942	1049099.452	ug/L	-44980.013
	52	Cr	102.437410	1.130	991346.135	ug/L	36808.261
	55	Mn	102.496570	0.724	1564242.674	ug/L	2237.619
	59	Co	101.068234	0.767	1222026.635	ug/L	108.667
	60	Ni	97.364630	0.663	252221.188	ug/L	268.822
	65	Cu	95.773191	0.592	229485.106	ug/L	68.002
	68	Zn	98.629170	0.484	85466.046	ug/L	1752.842
	75	As	100.709912	0.690	228485.235	ug/L	17125.751
	82	Se	112.559802	0.677	23842.602	ug/L	1240.645
	97	Mo	2113.047956	0.915	3352040.190	ug/L	164.335
>	72	Ge-1			835747.262	ug/L	995901.238
	107	Ag	48.037604	2.086	396775.456	ug/L	56.334
	111	Cd	100.244890	2.339	190064.723	ug/L	8.330
	121	Sb	54.121651	2.043	332586.727	ug/L	81.667
	135	Ba	100.624731	2.902	169018.345	ug/L	196.002
>	115	In-1			853738.222	ug/L	1035315.504
	208	Pb	101.564151	2.176	1900767.798	ug/L	430.337
>	169	Tm-1			497567.455	ug/L	636245.719
	50	Cr	195.652618	23.731	38044.101	ug/L	-1041.751
	53	Cr	94.039076	5.746	237652.816	ug/L	175830.770
	61	Ni	128.790148	2.536	7262.765	ug/L	2275.496
	63	Cu	100.657406	0.835	187169.631	ug/L	70.001
	67	Zn	121.284419	2.035	10875.894	ug/L	2088.698
	66	Zn	107.724615	0.598	47107.409	ug/L	613.060
	76	Se	-61.948194	31.359	-108393.921	ug/L	-126424.480
	77	Se	126.417232	2.668	31030.134	ug/L	16263.240
	78	Se	105.616196	0.814	69867.465	ug/L	19723.901
	79	Br	11079.112977	20.427	76519.919	ug/L	50339.867
>	72	Ge			835747.262	ug/L	995901.238
	108	Cd	178.469430	2.812	23406.513	ug/L	4.383
	114	Cd	103.943278	1.957	477186.947	ug/L	31.392

	109 Ag	47.695647	2.062	139542.848	ug/L	22.333
>	115 In			853738.222	ug/L	1035315.504
	208 207.977	102.794505	2.142	966930.172	ug/L	223.336
	207 Pb	100.814375	1.718	401884.958	ug/L	97.001
	206 Pb	99.951278	2.743	531952.668	ug/L	110.001
>	169 Tm			497567.455	ug/L	636245.719
	106 Pd	85.103740	1.282	16143.547	ug/L	6.000
	83 Kr	-538.400121	48.895	1561.432	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	77.921
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	83.919
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	82.462
	Pb	208	
>	Tm-1	169	78.204
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	83.919
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	82.462
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	78.204
	Pd	106	
	Kr	83	

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

Sample ID: Rinse
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 18:44:20
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\Rinse.012
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45	Sc			1241007.169	ug/L	1303995.384
> 6	Li-1			373689.337	ug/L	401796.460
9	Be	-0.002813	171.436	2.667	ug/L	3.667
44	Ca	-1.409730	179.948	20554.790	ug/L	21885.678
51	V	-0.128617	175.283	-44803.341	ug/L	-44980.013
52	Cr	0.045015	247.047	35825.201	ug/L	36808.261
55	Mn	-0.006936	70.878	2027.902	ug/L	2237.619
59	Co	-0.000077	224.185	103.334	ug/L	108.667
60	Ni	-0.070189	3.817	50.207	ug/L	268.822
65	Cu	0.000372	466.435	66.294	ug/L	68.002
68	Zn	0.050162	133.159	1732.172	ug/L	1752.842
75	As	0.287179	42.115	17152.500	ug/L	17125.751
82	Se	-0.359154	99.878	1108.380	ug/L	1240.645
97	Mo	0.007010	58.755	170.668	ug/L	164.335
> 72	Ge-1			956622.169	ug/L	995901.238
107	Ag	-0.000504	47.947	50.000	ug/L	56.334
111	Cd	0.000396	395.442	9.070	ug/L	8.330
121	Sb	-0.000079	660.191	79.000	ug/L	81.667
135	Ba	-0.006814	67.667	177.668	ug/L	196.002
> 115	In-1			1009182.071	ug/L	1035315.504
208	Pb	-0.003586	36.870	344.003	ug/L	430.337
> 169	Tm-1			634374.194	ug/L	636245.719
50	Cr	-0.237682	51.057	-1054.551	ug/L	-1041.751
53	Cr	8.764236	67.899	178431.671	ug/L	175830.770
61	Ni	-0.253659	1000.548	2172.422	ug/L	2275.496
63	Cu	-0.005661	133.609	55.001	ug/L	70.001
67	Zn	4.612890	42.797	2401.591	ug/L	2088.698
66	Zn	-0.058282	103.698	560.384	ug/L	613.060
76	Se	6.395684	123.766	-121162.476	ug/L	-126424.480
77	Se	-4.561514	57.815	14898.874	ug/L	16263.240
78	Se	-0.143720	215.172	18860.788	ug/L	19723.901
79	Br	1139.229058	44.620	52372.176	ug/L	50339.867
> 72	Ge			956622.169	ug/L	995901.238
108	Cd	-0.013289	34.438	2.199	ug/L	4.383
114	Cd	-0.001683	31.584	21.430	ug/L	31.392

	109 Ag	-0.001107	101.353	18.000	ug/L	22.333
>	115 In			1009182.071	ug/L	1035315.504
	208 207.977	-0.003717	43.295	178.335	ug/L	223.336
	207 Pb	-0.005285	29.085	70.000	ug/L	97.001
	206 Pb	-0.002083	51.788	95.667	ug/L	110.001
>	169 Tm			634374.194	ug/L	636245.719
	106 Pd	0.00(2273315856.540		6.000	ug/L	6.000
	83 Kr	127.274324	66.144	1122.050	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	93.005
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	96.056
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	97.476
	Pb	208	
>	Tm-1	169	99.706
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	96.056
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	97.476
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.706
	Pd	106	
	Kr	83	

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

Sample ID: FB
Sample Description: FB-F1815158
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 18:48:31
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\FB.013
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 18
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1319038.742	ug/L	1303995.384
>	6	Li-1			404254.752	ug/L	401796.460
	9	Be	-0.006066	59.641	2.000	ug/L	3.667
	44	Ca	235.096439	1.512	101146.268	ug/L	21885.678
	51	V	2.550465	10.393	-12640.970	ug/L	-44980.013
	52	Cr	0.409277	17.013	41270.778	ug/L	36808.261
	55	Mn	0.655590	2.667	14108.367	ug/L	2237.619
	59	Co	1.557351	0.883	22488.198	ug/L	108.667
	60	Ni	0.359551	8.176	1373.893	ug/L	268.822
	65	Cu	0.268999	4.804	833.883	ug/L	68.002
	68	Zn	1.457576	13.961	3222.928	ug/L	1752.842
	75	As	0.621590	20.032	18653.388	ug/L	17125.751
	82	Se	0.002895	23188.749	1238.853	ug/L	1240.645
	97	Mo	0.101497	10.352	355.341	ug/L	164.335
>	72	Ge-1			993324.019	ug/L	995901.238
	107	Ag	-0.000081	1549.600	55.667	ug/L	56.334
	111	Cd	0.002108	137.647	13.193	ug/L	8.330
	121	Sb	0.007297	14.371	136.334	ug/L	81.667
	135	Ba	0.398033	4.406	1008.391	ug/L	196.002
>	115	In-1			1037506.002	ug/L	1035315.504
	208	Pb	0.208650	4.717	5502.336	ug/L	430.337
>	169	Tm-1			645762.465	ug/L	636245.719
	50	Cr	3.849042	2.028	-127.995	ug/L	-1041.751
	53	Cr	-88.713989	4.573	74312.997	ug/L	175830.770
	61	Ni	0.549807	199.668	2296.510	ug/L	2275.496
	63	Cu	0.267136	5.249	660.070	ug/L	70.001
	67	Zn	-7.044934	23.890	1453.340	ug/L	2088.698
	66	Zn	1.562012	15.163	1413.988	ug/L	613.060
	76	Se	16.989980	74.735	-125348.934	ug/L	-126424.480
	77	Se	-68.124524	1.299	5085.701	ug/L	16263.240
	78	Se	-0.002714	2761.715	19671.384	ug/L	19723.901
	79	Br	-7305.576082	4.693	23318.103	ug/L	50339.867
>	72	Ge			993324.019	ug/L	995901.238
	108	Cd	0.174193	26.534	32.151	ug/L	4.383
	114	Cd	-0.000078	611.781	31.019	ug/L	31.392

	109 Ag	-0.001422	73.721	17.333	ug/L	22.333
>	115 In			1037506.002	ug/L	1035315.504
	208 207.977	0.215762	4.050	2859.467	ug/L	223.336
	207 Pb	0.212096	6.685	1195.082	ug/L	97.001
	206 Pb	0.193500	4.791	1447.787	ug/L	110.001
>	169 Tm			645762.465	ug/L	636245.719
	106 Pd	0.351578	17.255	72.667	ug/L	6.000
	83 Kr	-5.051325	4877.499	1209.393	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	100.612
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	99.741
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.212
	Pb	208	
>	Tm-1	169	101.496
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.741
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.212
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	101.496
	Pd	106	
	Kr	83	

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

Sample ID: FB
Sample Description: FB-F1815158
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 18:52:42
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\FB.014
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 19
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1316603.753	ug/L	1303995.384
>	6	Li-1			405927.427	ug/L	401796.460
	9	Be	-0.003708	148.858	2.667	ug/L	3.667
	44	Ca	288.064452	1.502	119406.906	ug/L	21885.678
	51	V	2.683243	4.032	-11028.710	ug/L	-44980.013
	52	Cr	0.460530	7.567	41988.539	ug/L	36808.261
	55	Mn	1.173144	0.859	23563.353	ug/L	2237.619
	59	Co	1.400232	1.490	20295.512	ug/L	108.667
	60	Ni	0.400579	2.281	1505.684	ug/L	268.822
	65	Cu	0.549657	3.098	1638.677	ug/L	68.002
	68	Zn	1.240674	4.297	3014.519	ug/L	1752.842
	75	As	0.638912	38.361	18753.090	ug/L	17125.751
	82	Se	-0.077655	533.010	1222.333	ug/L	1240.645
	97	Mo	0.105054	9.682	363.008	ug/L	164.335
>	72	Ge-1			996651.033	ug/L	995901.238
	107	Ag	-0.000524	191.652	51.333	ug/L	56.334
	111	Cd	0.001270	221.556	11.369	ug/L	8.330
	121	Sb	0.007054	27.611	135.001	ug/L	81.667
	135	Ba	0.363582	2.773	941.384	ug/L	196.002
>	115	In-1			1041312.432	ug/L	1035315.504
	208	Pb	0.289685	1.705	7327.181	ug/L	430.337
>	169	Tm-1			633295.525	ug/L	636245.719
	50	Cr	3.780237	7.849	-145.282	ug/L	-1041.751
	53	Cr	-88.054697	4.946	75359.415	ug/L	175830.770
	61	Ni	2.442581	52.348	2398.254	ug/L	2275.496
	63	Cu	0.575055	2.228	1344.956	ug/L	70.001
	67	Zn	-7.120565	19.021	1452.006	ug/L	2088.698
	66	Zn	1.534530	4.570	1405.316	ug/L	613.060
	76	Se	23.766791	156.344	-125481.966	ug/L	-126424.480
	77	Se	-67.590393	1.601	5192.080	ug/L	16263.240
	78	Se	0.012402	6057.475	19741.741	ug/L	19723.901
	79	Br	-7787.397277	4.002	21625.742	ug/L	50339.867
>	72	Ge			996651.033	ug/L	995901.238
	108	Cd	0.156701	29.843	29.484	ug/L	4.383
	114	Cd	-0.000192	164.583	30.502	ug/L	31.392

	109 Ag	-0.001526	81.760	17.000	ug/L	22.333
>	115 In			1041312.432	ug/L	1035315.504
	208 207.977	0.298548	3.306	3795.156	ug/L	223.336
	207 Pb	0.303293	1.513	1635.153	ug/L	97.001
	206 Pb	0.263831	0.673	1896.872	ug/L	110.001
>	169 Tm			633295.525	ug/L	636245.719
	106 Pd	0.284778	14.815	60.000	ug/L	6.000
	83 Kr	57.071633	150.306	1168.388	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	101.028
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	100.075
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.579
	Pb	208	
>	Tm-1	169	99.536
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	100.075
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.579
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.536
	Pd	106	
	Kr	83	

Sample ID: CCV 1
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 18:56:53
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCV 1.015
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			1217477.599	ug/L	1303995.384
>	6	Li-1			374028.645	ug/L	401796.460
	9	Be	99.925959	0.608	25704.701	ug/L	3.667
	44	Ca	5088.026651	0.650	1652603.759	ug/L	21885.678
	51	V	101.159714	0.578	1171667.703	ug/L	-44980.013
	52	Cr	101.648209	1.951	1111769.106	ug/L	36808.261
	55	Mn	100.291274	0.721	1729323.956	ug/L	2237.619
	59	Co	100.567352	0.964	1373871.504	ug/L	108.667
	60	Ni	99.928543	0.985	292472.459	ug/L	268.822
	65	Cu	100.585203	1.078	272301.429	ug/L	68.002
	68	Zn	99.818217	0.810	97706.215	ug/L	1752.842
	75	As	100.353288	0.866	257297.887	ug/L	17125.751
	82	Se	101.762078	1.563	24466.266	ug/L	1240.645
	97	Mo	202.818552	0.192	363650.579	ug/L	164.335
>	72	Ge-1			944205.958	ug/L	995901.238
	107	Ag	50.825765	1.903	482578.677	ug/L	56.334
	111	Cd	101.122233	1.625	220418.372	ug/L	8.330
	121	Sb	50.375505	0.473	355889.561	ug/L	81.667
	135	Ba	100.734184	1.920	194530.074	ug/L	196.002
>	115	In-1			981239.478	ug/L	1035315.504
	208	Pb	103.047577	1.162	2407214.899	ug/L	430.337
>	169	Tm-1			620993.271	ug/L	636245.719
	50	Cr	104.089793	1.720	22432.810	ug/L	-1041.751
	53	Cr	97.386788	7.878	272183.707	ug/L	175830.770
	61	Ni	102.966014	0.936	6993.150	ug/L	2275.496
	63	Cu	100.834624	0.927	211848.671	ug/L	70.001
	67	Zn	99.516534	3.308	10439.420	ug/L	2088.698
	66	Zn	100.346875	1.126	49619.235	ug/L	613.060
	76	Se	118.953848	31.194	-114860.870	ug/L	-126424.480
	77	Se	96.895452	3.412	30475.451	ug/L	16263.240
	78	Se	99.961901	1.717	75715.133	ug/L	19723.901
	79	Br	-60.760928	563.401	47518.875	ug/L	50339.867
>	72	Ge			944205.958	ug/L	995901.238
	108	Cd	101.916731	1.731	15369.685	ug/L	4.383
	114	Cd	101.208413	1.870	534107.128	ug/L	31.392

	109 Ag	49.673023	2.579	167069.354	ug/L	22.333
>	115 In			981239.478	ug/L	1035315.504
	208 207.977	103.563285	1.555	1215944.491	ug/L	223.336
	207 Pb	102.898638	0.786	511995.018	ug/L	97.001
	206 Pb	102.247714	0.867	679275.390	ug/L	110.001
>	169 Tm			620993.271	ug/L	636245.719
	106 Pd	98.828477	0.593	18746.060	ug/L	6.000
	83 Kr	97.475382	223.540	1141.719	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	93.089
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	94.809
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	94.777
	Pb	208	
>	Tm-1	169	97.603
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	94.809
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	94.777
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	97.603
	Pd	106	
	Kr	83	

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

Sample ID: CCB 1
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 19:01:04
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCB 1.016
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			1240008.212	ug/L	1303995.384
>	6	Li-1			382823.947	ug/L	401796.460
	9	Be	-0.004360	136.548	2.333	ug/L	3.667
	44	Ca	-1.375460	101.106	20712.157	ug/L	21885.678
	51	V	0.614434	24.943	-35968.221	ug/L	-44980.013
	52	Cr	-0.076247	38.838	34768.943	ug/L	36808.261
	55	Mn	-0.003008	104.857	2110.921	ug/L	2237.619
	59	Co	0.001190	68.172	121.668	ug/L	108.667
	60	Ni	0.002439	141.776	267.204	ug/L	268.822
	65	Cu	0.007523	79.424	86.476	ug/L	68.002
	68	Zn	-0.076795	91.851	1619.817	ug/L	1752.842
	75	As	0.309441	77.170	17320.037	ug/L	17125.751
	82	Se	-0.178004	312.981	1157.808	ug/L	1240.645
	97	Mo	0.185036	26.502	497.014	ug/L	164.335
>	72	Ge-1			963038.016	ug/L	995901.238
	107	Ag	0.011014	13.817	162.002	ug/L	56.334
	111	Cd	0.003145	105.350	15.096	ug/L	8.330
	121	Sb	0.170161	19.223	1310.767	ug/L	81.667
	135	Ba	-0.011453	39.680	168.002	ug/L	196.002
>	115	In-1			1006828.816	ug/L	1035315.504
	208	Pb	0.004140	22.608	524.673	ug/L	430.337
>	169	Tm-1			630700.480	ug/L	636245.719
	50	Cr	0.446180	11.501	-904.993	ug/L	-1041.751
	53	Cr	-15.061458	17.498	153386.601	ug/L	175830.770
	61	Ni	-1.113830	18.268	2147.071	ug/L	2275.496
	63	Cu	-0.004671	69.985	57.667	ug/L	70.001
	67	Zn	0.873113	71.802	2095.369	ug/L	2088.698
	66	Zn	-0.100595	57.929	542.714	ug/L	613.060
	76	Se	17.083157	33.288	-121519.912	ug/L	-126424.480
	77	Se	-16.276153	8.923	13146.911	ug/L	16263.240
	78	Se	-0.743622	5.458	18640.412	ug/L	19723.901
	79	Br	-96.111753	483.875	48331.649	ug/L	50339.867
>	72	Ge			963038.016	ug/L	995901.238
	108	Cd	-0.008712	330.493	2.927	ug/L	4.383
	114	Cd	0.001067	112.902	36.315	ug/L	31.392

	109 Ag	0.009954	25.210	56.001	ug/L	22.333
>	115 In			1006828.816	ug/L	1035315.504
	208 207.977	0.003636	25.275	264.671	ug/L	223.336
	207 Pb	0.003069	108.269	111.667	ug/L	97.001
	206 Pb	0.005835	35.189	148.335	ug/L	110.001
>	169 Tm			630700.480	ug/L	636245.719
	106 Pd	-0.007032	114.564	4.667	ug/L	6.000
	83 Kr	58.586504	265.767	1167.388	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	95.278
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	96.700
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	97.249
	Pb	208	
>	Tm-1	169	99.128
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	96.700
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	97.249
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.128
	Pd	106	
	Kr	83	

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

Sample ID: CCV 2
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 19:05:15
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCV 2.017
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			1223238.665	ug/L	1303995.384
>	6	Li-1			385069.944	ug/L	401796.460
	9	Be	98.318985	1.386	26035.343	ug/L	3.667
	44	Ca	5040.532577	1.687	1647280.754	ug/L	21885.678
	51	V	100.538248	2.609	1171164.991	ug/L	-44980.013
	52	Cr	100.750619	2.738	1108779.977	ug/L	36808.261
	55	Mn	99.387787	1.834	1724122.746	ug/L	2237.619
	59	Co	99.528888	2.211	1367840.124	ug/L	108.667
	60	Ni	99.236217	1.896	292197.257	ug/L	268.822
	65	Cu	99.785667	2.241	271757.364	ug/L	68.002
	68	Zn	99.255456	2.144	97746.951	ug/L	1752.842
	75	As	99.692696	2.288	257240.770	ug/L	17125.751
	82	Se	99.733787	2.516	24146.111	ug/L	1240.645
	97	Mo	201.059910	1.711	362686.814	ug/L	164.335
>	72	Ge-1			950094.327	ug/L	995901.238
	107	Ag	50.109801	2.432	477082.301	ug/L	56.334
	111	Cd	99.977675	1.637	218509.559	ug/L	8.330
	121	Sb	50.231149	0.499	355837.739	ug/L	81.667
	135	Ba	100.274818	1.647	194165.116	ug/L	196.002
>	115	In-1			983942.807	ug/L	1035315.504
	208	Pb	101.615204	2.746	2403770.545	ug/L	430.337
>	169	Tm-1			629025.132	ug/L	636245.719
	50	Cr	101.741941	4.815	22031.041	ug/L	-1041.751
	53	Cr	90.324874	8.195	266089.042	ug/L	175830.770
	61	Ni	100.040381	2.907	6896.936	ug/L	2275.496
	63	Cu	100.281796	1.546	211959.872	ug/L	70.001
	67	Zn	96.866153	2.886	10274.531	ug/L	2088.698
	66	Zn	99.524594	1.851	49512.830	ug/L	613.060
	76	Se	104.001742	50.161	-116234.739	ug/L	-126424.480
	77	Se	92.633738	5.846	29988.600	ug/L	16263.240
	78	Se	99.069795	1.730	75661.366	ug/L	19723.901
	79	Br	-474.142364	94.055	46341.774	ug/L	50339.867
>	72	Ge			950094.327	ug/L	995901.238
	108	Cd	101.189738	1.703	15300.525	ug/L	4.383
	114	Cd	99.460930	0.998	526342.785	ug/L	31.392

	109 Ag	49.136231	1.459	165710.977	ug/L	22.333
>	115 In			983942.807	ug/L	1035315.504
	208 207.977	102.345029	4.145	1216624.931	ug/L	223.336
	207 Pb	101.446615	2.762	511139.717	ug/L	97.001
	206 Pb	100.451647	0.474	676005.896	ug/L	110.001
>	169 Tm			629025.132	ug/L	636245.719
	106 Pd	97.928291	1.283	18575.365	ug/L	6.000
	83 Kr	11.110193	2535.000	1198.725	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	95.837
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	95.400
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	95.038
	Pb	208	
>	Tm-1	169	98.865
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	95.400
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	95.038
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.865
	Pd	106	
	Kr	83	

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

Sample ID: CCB 2
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 19:09:26
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCB 2.018
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			1238222.163	ug/L	1303995.384
>	6	Li-1			385455.546	ug/L	401796.460
	9	Be	0.001793	200.412	4.000	ug/L	3.667
	44	Ca	-0.372733	272.007	21000.842	ug/L	21885.678
	51	V	0.537844	19.397	-36847.639	ug/L	-44980.013
	52	Cr	-0.076307	30.859	34702.347	ug/L	36808.261
	55	Mn	-0.002745	115.152	2111.588	ug/L	2237.619
	59	Co	0.002718	52.366	142.668	ug/L	108.667
	60	Ni	-0.011941	45.939	223.830	ug/L	268.822
	65	Cu	0.004753	71.330	78.686	ug/L	68.002
	68	Zn	0.056677	221.448	1747.175	ug/L	1752.842
	75	As	0.225713	61.534	17082.966	ug/L	17125.751
	82	Se	-0.189425	288.236	1152.786	ug/L	1240.645
	97	Mo	0.212585	31.103	546.351	ug/L	164.335
>	72	Ge-1			961213.538	ug/L	995901.238
	107	Ag	0.014786	22.835	200.669	ug/L	56.334
	111	Cd	0.004262	38.581	17.803	ug/L	8.330
	121	Sb	0.186452	10.448	1443.120	ug/L	81.667
	135	Ba	0.001768	517.842	195.669	ug/L	196.002
>	115	In-1			1015376.642	ug/L	1035315.504
	208	Pb	0.006147	38.595	572.007	ug/L	430.337
>	169	Tm-1			630009.948	ug/L	636245.719
	50	Cr	0.478361	37.014	-895.875	ug/L	-1041.751
	53	Cr	-16.742773	11.072	151249.546	ug/L	175830.770
	61	Ni	-0.980680	150.522	2149.740	ug/L	2275.496
	63	Cu	-0.010704	29.431	44.667	ug/L	70.001
	67	Zn	0.771159	144.610	2082.695	ug/L	2088.698
	66	Zn	0.061610	107.433	622.395	ug/L	613.060
	76	Se	21.558889	117.028	-121098.967	ug/L	-126424.480
	77	Se	-15.965893	11.359	13169.935	ug/L	16263.240
	78	Se	-0.376715	92.542	18817.158	ug/L	19723.901
	79	Br	-154.924750	260.590	48029.805	ug/L	50339.867
>	72	Ge			961213.538	ug/L	995901.238
	108	Cd	0.008839	179.448	5.692	ug/L	4.383
	114	Cd	0.002194	54.641	42.803	ug/L	31.392

	109 Ag	0.011990	34.140	63.667	ug/L	22.333
>	115 In			1015376.642	ug/L	1035315.504
	208 207.977	0.004878	51.094	279.338	ug/L	223.336
	207 Pb	0.007511	16.805	134.001	ug/L	97.001
	206 Pb	0.007370	41.566	158.668	ug/L	110.001
>	169 Tm			630009.948	ug/L	636245.719
	106 Pd	0.010547	50.000	8.000	ug/L	6.000
	83 Kr	165.658489	32.994	1096.715	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	95.933
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	96.517
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.074
	Pb	208	
>	Tm-1	169	99.020
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	96.517
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.074
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.020
	Pd	106	
	Kr	83	

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

Sample ID: H64F0C
Sample Description: G6F090000-308 LCS -6010
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 19:13:34
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H64F0C.019
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 101
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			1317571.063	ug/L	1303995.384
>	6	Li-1			450233.557	ug/L	401796.460
	9	Be	40.377282	0.637	12506.273	ug/L	3.667
	44	Ca	53980.563698	2.829	16716097.454	ug/L	21885.678
	51	V	508.179044	0.583	5840220.492	ug/L	-44980.013
	52	Cr	197.427384	0.530	2050111.998	ug/L	36808.261
	55	Mn	508.756701	0.278	8449459.604	ug/L	2237.619
	59	Co	493.776693	0.848	6503375.466	ug/L	108.667
	60	Ni	474.166566	1.407	1337209.492	ug/L	268.822
	65	Cu	241.405210	1.565	630078.438	ug/L	68.002
	68	Zn	516.482592	1.378	480775.172	ug/L	1752.842
	75	As	1784.654438	0.371	4148411.549	ug/L	17125.751
	82	Se	1922.189899	0.089	425255.334	ug/L	1240.645
	97	Mo	988.247336	0.391	1707790.071	ug/L	164.335
>	72	Ge-1			910306.288	ug/L	995901.238
	107	Ag	45.554927	0.104	420269.130	ug/L	56.334
	111	Cd	47.387475	0.176	100360.847	ug/L	8.330
	121	Sb	450.325280	1.651	3090510.206	ug/L	81.667
	135	Ba	1782.151239	0.954	3340529.512	ug/L	196.002
>	115	In-1			953315.700	ug/L	1035315.504
	208	Pb	437.598263	1.434	9341029.037	ug/L	430.337
>	169	Tm-1			567445.092	ug/L	636245.719
	50	Cr	261.885065	1.978	55859.069	ug/L	-1041.751
	53	Cr	139.625223	3.070	306434.428	ug/L	175830.770
	61	Ni	517.935910	1.054	25533.268	ug/L	2275.496
	63	Cu	238.637118	0.841	483270.823	ug/L	70.001
	67	Zn	533.883129	1.858	45664.474	ug/L	2088.698
	66	Zn	478.462410	1.605	226013.049	ug/L	613.060
	76	Se	2354.418695	0.445	-20175.155	ug/L	-126424.480
	77	Se	2086.243232	0.723	327341.315	ug/L	16263.240
	78	Se	1860.466762	0.195	1040993.324	ug/L	19723.901
	79	Br	-6965.455319	5.193	22504.592	ug/L	50339.867
>	72	Ge			910306.288	ug/L	995901.238
	108	Cd	83.369329	1.012	12214.791	ug/L	4.383
	114	Cd	52.029383	0.717	266803.257	ug/L	31.392

	109 Ag	45.736577	0.815	149457.081	ug/L	22.333
->	115 In			953315.700	ug/L	1035315.504
	208 207.977	459.289501	1.369	4927539.937	ug/L	223.336
	207 Pb	440.398729	2.000	2002378.324	ug/L	97.001
	206 Pb	397.166019	1.391	2411110.775	ug/L	110.001
->	169 Tm			567445.092	ug/L	636245.719
	106 Pd	46.044362	1.125	8737.027	ug/L	6.000
	83 Kr	-199.499304	104.160	1337.739	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
->	Li-1	6	112.055
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
->	Ge-1	72	91.405
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
->	In-1	115	92.080
	Pb	208	
->	Tm-1	169	89.186
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
->	Ge	72	91.405
	Cd	108	
	Cd	114	
	Ag	109	
->	In	115	92.080
	207.977	208	
	Pb	207	
	Pb	206	
->	Tm	169	89.186
	Pd	106	
	Kr	83	

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

Sample ID: H64F0L
Sample Description: G6F090000-308 LCSD 6010
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 19:17:40
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H64F0L.020
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 102
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			1408794.257	ug/L	1303995.384
>	6	Li-1			484184.113	ug/L	401796.460
	9	Be	39.716700	1.567	13224.988	ug/L	3.667
	44	Ca	57921.697379	0.776	18333154.702	ug/L	21885.678
	51	V	528.263265	0.738	6209041.820	ug/L	-44980.013
	52	Cr	205.839079	0.748	2183962.110	ug/L	36808.261
	55	Mn	528.783936	0.643	8979197.195	ug/L	2237.619
	59	Co	523.325514	0.490	7047052.419	ug/L	108.667
	60	Ni	488.271211	0.339	1407736.986	ug/L	268.822
	65	Cu	250.409082	0.602	668176.990	ug/L	68.002
	68	Zn	531.079290	0.355	505367.639	ug/L	1752.842
	75	As	1787.135999	0.287	4247706.826	ug/L	17125.751
	82	Se	1956.871709	0.434	442643.172	ug/L	1240.645
	97	Mo	1011.544088	0.344	1787278.883	ug/L	164.335
>	72	Ge-1			930781.212	ug/L	995901.238
	107	Ag	45.910405	0.775	435936.105	ug/L	56.334
	111	Cd	47.953418	0.875	104528.754	ug/L	8.330
	121	Sb	455.080478	1.507	3214149.265	ug/L	81.667
	135	Ba	1776.810093	1.553	3428008.816	ug/L	196.002
>	115	In-1			981267.789	ug/L	1035315.504
	208	Pb	440.172038	1.044	9236248.984	ug/L	430.337
>	169	Tm-1			557853.469	ug/L	636245.719
	50	Cr	252.542576	3.498	55041.464	ug/L	-1041.751
	53	Cr	153.500019	3.742	328154.120	ug/L	175830.770
	61	Ni	548.752117	0.519	27531.755	ug/L	2275.496
	63	Cu	244.757124	1.091	506822.962	ug/L	70.001
	67	Zn	559.441508	0.535	48823.793	ug/L	2088.698
	66	Zn	499.193798	0.834	241046.520	ug/L	613.060
	76	Se	2343.226311	0.202	-21088.754	ug/L	-126424.480
	77	Se	2102.332768	0.897	337180.801	ug/L	16263.240
	78	Se	1869.294694	0.619	1069364.844	ug/L	19723.901
	79	Br	-6822.083246	6.729	23512.816	ug/L	50339.867
>	72	Ge			930781.212	ug/L	995901.238
	108	Cd	84.072168	1.724	12677.734	ug/L	4.383
	114	Cd	53.437642	0.597	282043.017	ug/L	31.392

	109 Ag	45.727684	1.615	153789.326	ug/L	22.333
->	115 In			981267.789	ug/L	1035315.504
	208 207.977	461.476121	1.485	4866857.692	ug/L	223.336
	207 Pb	444.188005	0.689	1985189.417	ug/L	97.001
	206 Pb	399.513689	0.648	2384201.875	ug/L	110.001
->	169 Tm			557853.469	ug/L	636245.719
	106 Pd	47.439774	0.208	9001.628	ug/L	6.000
	83 Kr	-310.107699	10.369	1410.746	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
->	Li-1	6	120.505
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
->	Ge-1	72	93.461
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
->	In-1	115	94.780
	Pb	208	
->	Tm-1	169	87.679
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
->	Ge	72	93.461
	Cd	108	
	Cd	114	
	Ag	109	
->	In	115	94.780
	207.977	208	
	Pb	207	
	Pb	206	
->	Tm	169	87.679
	Pd	106	
	Kr	83	

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

Sample ID: Rinse
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 19:21:50
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\Rinse.021
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45	Sc			1554149.863	ug/L	1303995.384
> 6	Li-1			505659.356	ug/L	401796.460
9	Be	-0.008489	70.266	1.667	ug/L	3.667
44	Ca	-3.731524	39.616	21072.355	ug/L	21885.678
51	V	0.296414	61.171	-42129.741	ug/L	-44980.013
52	Cr	-0.173787	19.504	35625.723	ug/L	36808.261
55	Mn	-0.009291	19.393	2113.922	ug/L	2237.619
59	Co	0.006069	10.533	200.336	ug/L	108.667
60	Ni	-0.060139	10.756	85.212	ug/L	268.822
65	Cu	0.007555	75.219	91.518	ug/L	68.002
68	Zn	0.554380	16.576	2365.987	ug/L	1752.842
75	As	0.580411	16.362	19000.266	ug/L	17125.751
82	Se	0.613806	127.189	1418.908	ug/L	1240.645
97	Mo	1.126982	25.874	2346.327	ug/L	164.335
> 72	Ge-1			1017555.203	ug/L	995901.238
107	Ag	0.028914	10.161	355.674	ug/L	56.334
111	Cd	0.001564	158.280	12.255	ug/L	8.330
121	Sb	1.315718	13.768	10168.663	ug/L	81.667
135	Ba	0.041903	24.732	288.671	ug/L	196.002
> 115	In-1			1063304.751	ug/L	1035315.504
208	Pb	0.014837	6.102	739.012	ug/L	430.337
> 169	Tm-1			598653.988	ug/L	636245.719
50	Cr	0.305453	69.732	-990.480	ug/L	-1041.751
53	Cr	-4.583394	43.421	174312.512	ug/L	175830.770
61	Ni	9.658560	12.531	2813.934	ug/L	2275.496
63	Cu	0.001836	128.350	75.668	ug/L	70.001
67	Zn	2.734708	41.533	2384.911	ug/L	2088.698
66	Zn	0.501365	35.192	890.461	ug/L	613.060
76	Se	-34.386886	1.613	-130730.562	ug/L	-126424.480
77	Se	-11.241549	4.717	14734.346	ug/L	16263.240
78	Se	1.044937	13.826	20795.003	ug/L	19723.901
79	Br	-310.623852	61.827	50265.218	ug/L	50339.867
> 72	Ge			1017555.203	ug/L	995901.238
108	Cd	0.031543	57.997	9.655	ug/L	4.383
114	Cd	0.000576	384.586	35.511	ug/L	31.392

	109 Ag	0.028644	12.299	127.336	ug/L	22.333
>	115 In			1063304.751	ug/L	1035315.504
	208 207.977	0.015664	16.069	387.675	ug/L	223.336
	207 Pb	0.014948	43.728	162.668	ug/L	97.001
	206 Pb	0.013292	7.867	188.669	ug/L	110.001
>	169 Tm			598653.988	ug/L	636245.719
	106 Pd	-0.012305	89.214	3.667	ug/L	6.000
	83 Kr	-147.983272	168.311	1303.735	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	125.850
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.174
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.703
	Pb	208	
>	Tm-1	169	94.092
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.174
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.703
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	94.092
	Pd	106	
	Kr	83	

SOP No. SAC-MT-0001
BJones

Sample ID: H64F0B
Sample Description: G6F090000-308 BLK
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 19:26:02
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H64F0B.022
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 20
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			1624465.365	ug/L	1303995.384
>	6	Li-1			526272.844	ug/L	401796.460
	9	Be	-0.006840	129.426	2.333	ug/L	3.667
	44	Ca	-1.744810	99.799	22079.835	ug/L	21885.678
	51	V	2.610067	9.525	-12368.220	ug/L	-44980.013
	52	Cr	-1.101358	5.200	25404.840	ug/L	36808.261
	55	Mn	0.683494	1.182	15193.848	ug/L	2237.619
	59	Co	0.015977	7.154	351.340	ug/L	108.667
	60	Ni	0.077422	6.675	526.304	ug/L	268.822
	65	Cu	0.079330	3.961	305.336	ug/L	68.002
	68	Zn	1.401395	12.874	3292.287	ug/L	1752.842
	75	As	0.978842	11.673	20328.354	ug/L	17125.751
	82	Se	0.150919	128.005	1324.267	ug/L	1240.645
	97	Mo	0.270590	16.046	700.695	ug/L	164.335
>	72	Ge-1			1032635.972	ug/L	995901.238
	107	Ag	0.008106	20.987	147.668	ug/L	56.334
	111	Cd	0.000974	89.212	11.355	ug/L	8.330
	121	Sb	0.332580	7.477	2748.099	ug/L	81.667
	135	Ba	-0.030267	29.601	144.335	ug/L	196.002
>	115	In-1			1111515.853	ug/L	1035315.504
	208	Pb	0.055674	8.339	1710.064	ug/L	430.337
>	169	Tm-1			617427.495	ug/L	636245.719
	50	Cr	3.251391	3.701	-279.995	ug/L	-1041.751
	53	Cr	-93.715521	4.384	71329.374	ug/L	175830.770
	61	Ni	11.560809	12.702	2953.062	ug/L	2275.496
	63	Cu	0.067668	11.604	228.008	ug/L	70.001
	67	Zn	-6.933542	18.030	1521.038	ug/L	2088.698
	66	Zn	1.674052	15.825	1530.377	ug/L	613.060
	76	Se	-5.426953	583.158	-131340.036	ug/L	-126424.480
	77	Se	-70.883277	2.244	4818.264	ug/L	16263.240
	78	Se	1.027670	45.934	21091.879	ug/L	19723.901
	79	Br	-8305.410228	3.943	20414.695	ug/L	50339.867
>	72	Ge			1032635.972	ug/L	995901.238
	108	Cd	0.012359	90.082	6.815	ug/L	4.383
	114	Cd	-0.001418	190.681	25.280	ug/L	31.392

109 Ag	0.007359	40.406	52.000	ug/L	22.333
> 115 In			1111515.853	ug/L	1035315.504
208 207.977	0.057331	8.559	885.712	ug/L	223.336
207 Pb	0.060586	11.567	393.676	ug/L	97.001
206 Pb	0.049065	9.129	430.677	ug/L	110.001
> 169 Tm			617427.495	ug/L	636245.719
106 Pd	0.000(984374	663.668	6.000	ug/L	6.000
83 Kr	-95.960929	45.663	1269.398	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	130.980
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	103.689
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	107.360
	Pb	208	
>	Tm-1	169	97.042
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	103.689
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	107.360
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	97.042
	Pd	106	
	Kr	83	

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

Sample ID: H6LT9
Sample Description: G6F020224-1
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 19:30:11
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LT9.023
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
	45	Sc			1622897.088	ug/L	1303995.384
>	6	Li-1			527891.258	ug/L	401796.460
	9	Be	0.002346	446.614	5.667	ug/L	3.667
	44	Ca	494.098284	2.571	198719.227	ug/L	21885.678
	51	V	2.844565	6.358	-9431.006	ug/L	-44980.013
	52	Cr	1.114780	3.991	51799.217	ug/L	36808.261
	55	Mn	7.706697	2.153	149525.137	ug/L	2237.619
	59	Co	0.304900	1.519	4733.280	ug/L	108.667
	60	Ni	0.952563	3.300	3370.829	ug/L	268.822
	65	Cu	28.055938	2.633	84264.675	ug/L	68.002
	68	Zn	5.553250	3.670	7766.779	ug/L	1752.842
	75	As	1.152988	11.528	21079.353	ug/L	17125.751
	82	Se	0.178591	342.859	1349.703	ug/L	1240.645
	97	Mo	0.336612	6.148	841.707	ug/L	164.335
>	72	Ge-1			1047281.862	ug/L	995901.238
	107	Ag	0.021824	10.116	295.005	ug/L	56.334
	111	Cd	0.054397	12.465	143.249	ug/L	8.330
	121	Sb	0.240060	5.128	2007.897	ug/L	81.667
	135	Ba	2.212267	3.922	5044.788	ug/L	196.002
>	115	In-1			1111924.702	ug/L	1035315.504
	208	Pb	1.939240	1.060	46064.788	ug/L	430.337
>	169	Tm-1			625713.941	ug/L	636245.719
	50	Cr	5.307444	5.142	230.038	ug/L	-1041.751
	53	Cr	-86.823170	2.990	80670.015	ug/L	175830.770
	61	Ni	9.994710	7.194	2914.026	ug/L	2275.496
	63	Cu	28.611529	2.467	66701.684	ug/L	70.001
	67	Zn	-2.944185	39.071	1920.259	ug/L	2088.698
	66	Zn	5.834420	4.898	3804.982	ug/L	613.060
	76	Se	-25.033314	178.758	-134140.718	ug/L	-126424.480
	77	Se	-69.977452	1.370	5044.686	ug/L	16263.240
	78	Se	0.925915	83.176	21320.874	ug/L	19723.901
	79	Br	-7463.915019	3.435	23985.382	ug/L	50339.867
>	72	Ge			1047281.862	ug/L	995901.238
	108	Cd	0.206419	50.229	39.844	ug/L	4.383
	114	Cd	0.037416	17.161	257.239	ug/L	31.392

109 Ag	0.019905	20.460	99.668	ug/L	22.333
> 115 In			1111924.702	ug/L	1035315.504
208 207.977	2.023554	1.933	24159.661	ug/L	223.336
207 Pb	1.988037	1.952	10060.448	ug/L	97.001
206 Pb	1.753685	1.771	11844.679	ug/L	110.001
> 169 Tm			625713.941	ug/L	636245.719
106 Pd	0.646906	12.898	128.668	ug/L	6.000
83 Kr	-65.658783	442.021	1249.397	ug/L	1206.058

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	131.383
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
> Ge-1	72	105.159
Ag	107	
Cd	111	
Sb	121	
Ba	135	
> In-1	115	107.400
Pb	208	
> Tm-1	169	98.345
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
> Ge	72	105.159
Cd	108	
Cd	114	
Ag	109	
> In	115	107.400
207.977	208	
Pb	207	
Pb	206	
> Tm	169	98.345
Pd	106	
Kr	83	

Sample ID: H6LT9P5
Sample Description: G6F020224-1 5X
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 19:34:18
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LT9P5.024
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
	45	Sc			1541181.921	ug/L	1303995.384
>	6	Li-1			512589.751	ug/L	401796.460
	9	Be	-0.009489	17.192	1.333	ug/L	3.667
	44	Ca	93.397424	0.860	54838.648	ug/L	21885.678
	51	V	0.507040	24.695	-39532.691	ug/L	-44980.013
	52	Cr	0.250513	32.645	40608.693	ug/L	36808.261
	55	Mn	1.546517	0.713	31099.838	ug/L	2237.619
	59	Co	0.059057	2.415	984.055	ug/L	108.667
	60	Ni	0.147575	9.284	742.156	ug/L	268.822
	65	Cu	5.556479	0.861	16334.224	ug/L	68.002
	68	Zn	2.251566	6.287	4139.646	ug/L	1752.842
	75	As	0.194693	94.389	18067.344	ug/L	17125.751
	82	Se	0.015232	1859.168	1275.689	ug/L	1240.645
	97	Mo	0.080181	16.962	324.006	ug/L	164.335
>	72	Ge-1			1021224.589	ug/L	995901.238
	107	Ag	0.009463	19.855	159.001	ug/L	56.334
	111	Cd	0.010495	16.650	34.158	ug/L	8.330
	121	Sb	0.163046	4.591	1364.773	ug/L	81.667
	135	Ba	0.443960	3.014	1157.743	ug/L	196.002
>	115	In-1			1089829.461	ug/L	1035315.504
	208	Pb	0.394012	0.939	9558.670	ug/L	430.337
>	169	Tm-1			616821.950	ug/L	636245.719
	50	Cr	0.910847	16.926	-846.701	ug/L	-1041.751
	53	Cr	-11.654245	28.930	166629.177	ug/L	175830.770
	61	Ni	8.302266	7.494	2754.880	ug/L	2275.496
	63	Cu	5.736861	0.701	13102.745	ug/L	70.001
	67	Zn	3.021429	55.440	2418.604	ug/L	2088.698
	66	Zn	2.401821	7.717	1897.577	ug/L	613.060
	76	Se	-5.588747	1049.520	-129907.443	ug/L	-126424.480
	77	Se	-18.137446	4.622	13628.092	ug/L	16263.240
	78	Se	0.848409	25.282	20748.081	ug/L	19723.901
	79	Br	-1643.938232	26.939	45388.631	ug/L	50339.867
>	72	Ge			1021224.589	ug/L	995901.238
	108	Cd	0.018136	131.541	7.669	ug/L	4.383
	114	Cd	0.006857	32.904	73.184	ug/L	31.392

	109 Ag	0.007275	15.182	50.667	ug/L	22.333
->	115 In			1089829.461	ug/L	1035315.504
	208 207.977	0.403886	0.603	4926.053	ug/L	223.336
	207 Pb	0.414140	2.333	2140.262	ug/L	97.001
	206 Pb	0.361488	5.066	2492.356	ug/L	110.001
->	169 Tm			616821.950	ug/L	636245.719
	106 Pd	0.142389	6.415	33.000	ug/L	6.000
	83 Kr	-73.738320	82.329	1254.730	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
->	Li-1	6	127.574
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
->	Ge-1	72	102.543
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
->	In-1	115	105.265
	Pb	208	
->	Tm-1	169	96.947
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
->	Ge	72	102.543
	Cd	108	
	Cd	114	
	Ag	109	
->	In	115	105.265
	207.977	208	
	Pb	207	
	Pb	206	
->	Tm	169	96.947
	Pd	106	
	Kr	83	

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

Sample ID: H6LT9Z
Sample Description: G6F020224-1 PS
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 19:38:25
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LT9Z.025
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
	45	Sc			1522757.954	ug/L	1303995.384
>	6	Li-1			504209.633	ug/L	401796.460
	9	Be	174.421555	1.179	60478.301	ug/L	3.667
	44	Ca	1752.755375	1.312	623145.479	ug/L	21885.678
	51	V	207.275218	0.436	2614398.239	ug/L	-44980.013
	52	Cr	212.935753	0.844	2448857.156	ug/L	36808.261
	55	Mn	223.812130	1.320	4122988.263	ug/L	2237.619
	59	Co	218.786056	1.456	3195058.343	ug/L	108.667
	60	Ni	217.098880	1.485	678956.712	ug/L	268.822
	65	Cu	240.687654	0.772	696509.367	ug/L	68.002
	68	Zn	210.860234	1.371	218673.009	ug/L	1752.842
	75	As	191.698055	0.810	509630.372	ug/L	17125.751
	82	Se	203.288599	0.237	50997.115	ug/L	1240.645
	97	Mo	206.736547	1.405	396268.597	ug/L	164.335
>	72	Ge-1			1009445.045	ug/L	995901.238
	107	Ag	56.067768	1.229	585819.086	ug/L	56.334
	111	Cd	190.229885	1.225	456285.755	ug/L	8.330
	121	Sb	47.958527	1.305	372821.010	ug/L	81.667
	135	Ba	192.902603	1.689	409745.212	ug/L	196.002
>	115	In-1			1079792.363	ug/L	1035315.504
	208	Pb	189.614342	1.032	4499501.480	ug/L	430.337
>	169	Tm-1			630868.272	ug/L	636245.719
	50	Cr	184.879731	2.387	43420.001	ug/L	-1041.751
	53	Cr	168.377518	6.115	373131.109	ug/L	175830.770
	61	Ni	226.537828	4.193	13680.572	ug/L	2275.496
	63	Cu	236.559546	1.092	531228.051	ug/L	70.001
	67	Zn	205.359940	2.726	20776.531	ug/L	2088.698
	66	Zn	215.143454	0.908	113019.650	ug/L	613.060
	76	Se	241.125649	5.007	-117312.634	ug/L	-126424.480
	77	Se	151.625833	2.095	41668.673	ug/L	16263.240
	78	Se	195.329968	1.071	139087.343	ug/L	19723.901
	79	Br	-7258.327564	5.516	23873.835	ug/L	50339.867
>	72	Ge			1009445.045	ug/L	995901.238
	108	Cd	188.429364	1.215	31264.705	ug/L	4.383
	114	Cd	187.826366	1.767	1090723.789	ug/L	31.392

	109 Ag	56.419657	1.394	208811.579	ug/L	22.333
>	115 In			1079792.363	ug/L	1035315.504
	208 207.977	194.878998	1.698	2324277.192	ug/L	223.336
	207 Pb	194.516935	0.873	983190.030	ug/L	97.001
	206 Pb	176.638425	1.433	1192034.258	ug/L	110.001
>	169 Tm			630868.272	ug/L	636245.719
	106 Pd	208.120123	1.418	39470.167	ug/L	6.000
	83 Kr	-95.456276	165.788	1269.065	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	125.489
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	101.360
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	104.296
	Pb	208	
>	Tm-1	169	99.155
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.360
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	104.296
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.155
	Pd	106	
	Kr	83	

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

Sample ID: H6LVC
Sample Description: G6F020224-2
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 19:42:32
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LVC.026
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
	45	Sc			1508946.569	ug/L	1303995.384
>	6	Li-1			497601.654	ug/L	401796.460
	9	Be	-0.005464	82.235	2.667	ug/L	3.667
	44	Ca	456.272821	1.066	179959.771	ug/L	21885.678
	51	V	3.005796	1.948	-7072.839	ug/L	-44980.013
	52	Cr	0.935277	5.454	48260.745	ug/L	36808.261
	55	Mn	7.912548	0.960	149058.988	ug/L	2237.619
	59	Co	0.425135	1.133	6365.648	ug/L	108.667
	60	Ni	0.698679	1.976	2474.905	ug/L	268.822
	65	Cu	17.856138	1.594	52120.136	ug/L	68.002
	68	Zn	5.652005	1.925	7648.009	ug/L	1752.842
	75	As	1.010286	20.076	20101.146	ug/L	17125.751
	82	Se	0.499916	123.391	1389.763	ug/L	1240.645
	97	Mo	0.394274	14.003	929.383	ug/L	164.335
>	72	Ge-1			1017012.443	ug/L	995901.238
	107	Ag	0.032018	4.030	395.009	ug/L	56.334
	111	Cd	0.056178	11.277	143.973	ug/L	8.330
	121	Sb	0.383880	5.794	3084.212	ug/L	81.667
	135	Ba	2.325489	2.497	5162.856	ug/L	196.002
>	115	In-1			1084593.030	ug/L	1035315.504
	208	Pb	1.940501	2.630	46227.574	ug/L	430.337
>	169	Tm-1			627761.235	ug/L	636245.719
	50	Cr	5.114845	3.529	175.933	ug/L	-1041.751
	53	Cr	-90.972541	4.135	73472.362	ug/L	175830.770
	61	Ni	8.956391	26.822	2776.568	ug/L	2275.496
	63	Cu	18.336606	0.917	41550.410	ug/L	70.001
	67	Zn	-3.319098	49.738	1829.538	ug/L	2088.698
	66	Zn	6.076121	3.481	3824.006	ug/L	613.060
	76	Se	-3.231795	456.275	-129249.799	ug/L	-126424.480
	77	Se	-69.949597	1.070	4902.295	ug/L	16263.240
	78	Se	0.975179	80.369	20739.299	ug/L	19723.901
	79	Br	-7500.220773	4.023	23145.115	ug/L	50339.867
>	72	Ge			1017012.443	ug/L	995901.238
	108	Cd	0.233575	17.533	43.609	ug/L	4.383
	114	Cd	0.044108	4.607	290.141	ug/L	31.392

	109 Ag	0.026055	24.726	120.002	ug/L	22.333
>	115 In			1084593.030	ug/L	1035315.504
	208 207.977	2.014782	3.024	24121.874	ug/L	223.336
	207 Pb	2.012220	2.639	10211.956	ug/L	97.001
	206 Pb	1.755510	2.084	11893.745	ug/L	110.001
>	169 Tm			627761.235	ug/L	636245.719
	106 Pd	0.675032	10.156	134.001	ug/L	6.000
	83 Kr	-128.790657	166.830	1291.067	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	123.844
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.120
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	104.760
	Pb	208	
>	Tm-1	169	98.666
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.120
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	104.760
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.666
	Pd	106	
	Kr	83	

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

Sample ID: H6LVD
Sample Description: G6F020224-3
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 19:46:43
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LVD.027
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
	45	Sc			1517611.632	ug/L	1303995.384
>	6	Li-1			494290.952	ug/L	401796.460
	9	Be	-0.001506	389.129	4.000	ug/L	3.667
	44	Ca	471.503660	0.683	186271.135	ug/L	21885.678
	51	V	2.941066	9.271	-7953.240	ug/L	-44980.013
	52	Cr	1.716585	2.582	57499.326	ug/L	36808.261
	55	Mn	7.512632	0.607	142440.024	ug/L	2237.619
	59	Co	0.260468	0.711	3965.565	ug/L	108.667
	60	Ni	1.075505	0.635	3682.685	ug/L	268.822
	65	Cu	43.745870	0.143	128317.726	ug/L	68.002
	68	Zn	6.478820	2.135	8552.846	ug/L	1752.842
	75	As	0.968607	4.339	20107.397	ug/L	17125.751
	82	Se	0.354591	65.489	1361.869	ug/L	1240.645
	97	Mo	0.251502	9.055	657.025	ug/L	164.335
>	72	Ge-1			1022755.933	ug/L	995901.238
	107	Ag	0.024292	4.326	316.339	ug/L	56.334
	111	Cd	0.057522	5.077	148.451	ug/L	8.330
	121	Sb	0.190268	3.624	1582.810	ug/L	81.667
	135	Ba	2.494731	0.771	5566.770	ug/L	196.002
>	115	In-1			1092668.441	ug/L	1035315.504
	208	Pb	2.460672	0.684	58906.031	ug/L	430.337
>	169	Tm-1			631810.137	ug/L	636245.719
	50	Cr	5.895971	4.452	367.406	ug/L	-1041.751
	53	Cr	-89.273503	4.405	75874.766	ug/L	175830.770
	61	Ni	8.565540	2.680	2772.563	ug/L	2275.496
	63	Cu	44.211023	0.893	100649.975	ug/L	70.001
	67	Zn	-2.626666	63.396	1903.582	ug/L	2088.698
	66	Zn	6.928568	2.284	4297.287	ug/L	613.060
	76	Se	7.441929	389.044	-129498.721	ug/L	-126424.480
	77	Se	-69.437436	1.984	5016.341	ug/L	16263.240
	78	Se	0.745524	35.002	20715.767	ug/L	19723.901
	79	Br	-7272.096755	4.463	24139.999	ug/L	50339.867
>	72	Ge			1022755.933	ug/L	995901.238
	108	Cd	0.224998	34.831	42.351	ug/L	4.383
	114	Cd	0.048072	9.308	315.566	ug/L	31.392

	109 Ag	0.021754	9.014	105.002	ug/L	22.333
>	115 In			1092668.441	ug/L	1035315.504
	208 207.977	2.554010	1.060	30729.209	ug/L	223.336
	207 Pb	2.539200	2.666	12950.584	ug/L	97.001
	206 Pb	2.236905	1.767	15226.238	ug/L	110.001
>	169 Tm			631810.137	ug/L	636245.719
	106 Pd	0.653937	10.850	130.001	ug/L	6.000
	83 Kr	-36.869174	318.575	1230.394	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	123.020
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.697
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	105.540
	Pb	208	
>	Tm-1	169	99.303
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.697
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	105.540
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.303
	Pd	106	
	Kr	83	

Sample ID: H6LVE
Sample Description: G6F020224-4
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 19:50:51
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LVE.028
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 32
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			1521855.206	ug/L	1303995.384
>	6	Li-1			495429.684	ug/L	401796.460
	9	Be	0.009203	96.390	7.667	ug/L	3.667
	44	Ca	619.955215	2.727	237295.304	ug/L	21885.678
	51	V	3.174410	13.884	-4986.479	ug/L	-44980.013
	52	Cr	2.535208	3.777	66749.000	ug/L	36808.261
	55	Mn	12.916163	2.940	242664.364	ug/L	2237.619
	59	Co	0.325520	2.911	4916.381	ug/L	108.667
	60	Ni	1.686023	2.853	5603.393	ug/L	268.822
	65	Cu	46.463977	2.669	135967.544	ug/L	68.002
	68	Zn	12.327259	2.704	14614.863	ug/L	1752.842
	75	As	1.106378	11.115	20421.484	ug/L	17125.751
	82	Se	0.245656	347.973	1329.770	ug/L	1240.645
	97	Mo	0.260129	7.085	672.359	ug/L	164.335
>	72	Ge-1			1020742.954	ug/L	995901.238
	107	Ag	0.018978	3.337	262.004	ug/L	56.334
	111	Cd	0.067594	6.726	174.184	ug/L	8.330
	121	Sb	0.189272	3.669	1586.144	ug/L	81.667
	135	Ba	4.152046	3.226	9193.162	ug/L	196.002
>	115	In-1			1100858.650	ug/L	1035315.504
	208	Pb	2.929029	2.928	69420.511	ug/L	430.337
>	169	Tm-1			626508.507	ug/L	636245.719
	50	Cr	7.409553	4.594	734.452	ug/L	-1041.751
	53	Cr	-87.733266	5.416	77557.166	ug/L	175830.770
	61	Ni	9.170927	5.389	2797.919	ug/L	2275.496
	63	Cu	46.952978	2.500	106638.996	ug/L	70.001
	67	Zn	2.179478	86.550	2341.547	ug/L	2088.698
	66	Zn	12.992030	4.183	7487.628	ug/L	613.060
	76	Se	16.717462	169.333	-128836.551	ug/L	-126424.480
	77	Se	-69.351597	1.281	5021.343	ug/L	16263.240
	78	Se	0.823333	91.792	20717.410	ug/L	19723.901
	79	Br	-7333.723601	4.335	23861.140	ug/L	50339.867
>	72	Ge			1020742.954	ug/L	995901.238
	108	Cd	0.268504	11.368	50.105	ug/L	4.383
	114	Cd	0.048893	7.323	322.762	ug/L	31.392

	109 Ag	0.015166	15.923	81.001	ug/L	22.333
>	115 In			1100858.650	ug/L	1035315.504
	208 207.977	3.037731	3.262	36184.003	ug/L	223.336
	207 Pb	2.967860	1.559	14989.496	ug/L	97.001
	206 Pb	2.707838	3.845	18247.011	ug/L	110.001
>	169 Tm			626508.507	ug/L	636245.719
	106 Pd	0.908835	4.507	178.335	ug/L	6.000
	83 Kr	28.282771	736.622	1187.390	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	123.304
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.494
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	106.331
	Pb	208	
>	Tm-1	169	98.470
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.494
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	106.331
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.470
	Pd	106	
	Kr	83	

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

Sample ID: CCV 3
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 19:55:01
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCV 3.029
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			1351961.641	ug/L	1303995.384
>	6	Li-1			446393.934	ug/L	401796.460
	9	Be	93.374983	0.827	28667.219	ug/L	3.667
	44	Ca	5588.622317	0.096	1858679.159	ug/L	21885.678
	51	V	104.941956	0.874	1247657.342	ug/L	-44980.013
	52	Cr	105.375460	0.395	1180124.620	ug/L	36808.261
	55	Mn	106.630631	0.809	1884717.270	ug/L	2237.619
	59	Co	105.809636	1.013	1481762.021	ug/L	108.667
	60	Ni	105.570915	1.331	316726.962	ug/L	268.822
	65	Cu	104.487158	1.133	289973.460	ug/L	68.002
	68	Zn	103.173785	1.437	103468.573	ug/L	1752.842
	75	As	100.322722	0.612	263679.148	ug/L	17125.751
	82	Se	104.882131	0.748	25812.608	ug/L	1240.645
	97	Mo	205.657798	0.214	378007.837	ug/L	164.335
>	72	Ge-1			967935.252	ug/L	995901.238
	107	Ag	50.027603	1.234	496436.290	ug/L	56.334
	111	Cd	100.458479	0.946	228843.646	ug/L	8.330
	121	Sb	49.939400	1.262	368686.867	ug/L	81.667
	135	Ba	97.018422	1.140	195800.514	ug/L	196.002
>	115	In-1			1025476.341	ug/L	1035315.504
	208	Pb	100.791824	0.906	2338354.698	ug/L	430.337
>	169	Tm-1			616712.883	ug/L	636245.719
	50	Cr	100.456760	2.290	22159.172	ug/L	-1041.751
	53	Cr	101.016127	5.085	283028.308	ug/L	175830.770
	61	Ni	110.849114	2.343	7548.441	ug/L	2275.496
	63	Cu	105.804062	0.290	227865.168	ug/L	70.001
	67	Zn	103.926991	2.740	11085.301	ug/L	2088.698
	66	Zn	105.996334	0.419	53694.030	ug/L	613.060
	76	Se	148.609744	4.512	-116472.382	ug/L	-126424.480
	77	Se	92.760653	4.355	30581.710	ug/L	16263.240
	78	Se	101.795529	1.523	78686.125	ug/L	19723.901
	79	Br	-101.753487	293.611	48562.519	ug/L	50339.867
>	72	Ge			967935.252	ug/L	995901.238
	108	Cd	101.329244	2.940	15968.424	ug/L	4.383
	114	Cd	99.809345	0.857	550494.846	ug/L	31.392

	109 Ag	49.768404	0.800	174935.896	ug/L	22.333
>	115 In			1025476.341	ug/L	1035315.504
	208 207.977	102.209902	1.502	1191803.125	ug/L	223.336
	207 Pb	99.666344	2.152	492472.492	ug/L	97.001
	206 Pb	99.128563	1.006	654079.081	ug/L	110.001
>	169 Tm			616712.883	ug/L	636245.719
	106 Pd	103.317382	0.691	19597.255	ug/L	6.000
	83 Kr	18.182319	353.647	1194.057	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	111.100
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	97.192
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.050
	Pb	208	
>	Tm-1	169	96.930
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	97.192
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.050
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	96.930
	Pd	106	
	Kr	83	

Sample ID: CCB 3
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 19:59:12
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCB 3.030
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			1383982.499	ug/L	1303995.384
>	6	Li-1			444451.177	ug/L	401796.460
	9	Be	0.003105	281.345	5.000	ug/L	3.667
	44	Ca	-5.295177	29.366	19836.132	ug/L	21885.678
	51	V	0.830104	18.566	-34019.854	ug/L	-44980.013
	52	Cr	-0.664654	5.564	29005.332	ug/L	36808.261
	55	Mn	-0.007557	39.511	2073.579	ug/L	2237.619
	59	Co	0.002861	17.952	148.001	ug/L	108.667
	60	Ni	-0.012093	44.311	228.665	ug/L	268.822
	65	Cu	0.005947	83.335	83.825	ug/L	68.002
	68	Zn	0.060652	164.814	1791.517	ug/L	1752.842
	75	As	0.309002	41.940	17678.522	ug/L	17125.751
	82	Se	0.162364	291.519	1263.227	ug/L	1240.645
	97	Mo	0.224225	27.395	581.020	ug/L	164.335
>	72	Ge-1			983199.837	ug/L	995901.238
	107	Ag	0.018731	12.186	247.004	ug/L	56.334
	111	Cd	0.007130	33.558	24.946	ug/L	8.330
	121	Sb	0.242592	14.064	1915.213	ug/L	81.667
	135	Ba	-0.002588	243.566	193.002	ug/L	196.002
>	115	In-1			1047518.950	ug/L	1035315.504
	208	Pb	0.007002	19.415	580.008	ug/L	430.337
>	169	Tm-1			617632.929	ug/L	636245.719
	50	Cr	1.062211	4.798	-779.597	ug/L	-1041.751
	53	Cr	-23.800857	8.172	146747.138	ug/L	175830.770
	61	Ni	5.118170	22.431	2496.998	ug/L	2275.496
	63	Cu	0.002877	185.168	75.334	ug/L	70.001
	67	Zn	0.722006	144.667	2126.057	ug/L	2088.698
	66	Zn	0.042034	111.244	626.730	ug/L	613.060
	76	Se	26.136058	142.659	-123663.892	ug/L	-126424.480
	77	Se	-21.622350	5.163	12556.637	ug/L	16263.240
	78	Se	1.035459	32.832	20086.225	ug/L	19723.901
	79	Br	-71.216159	304.682	49440.612	ug/L	50339.867
>	72	Ge			983199.837	ug/L	995901.238
	108	Cd	-0.007957	337.772	3.199	ug/L	4.383
	114	Cd	0.004963	52.295	59.883	ug/L	31.392

	109 Ag	0.019429	10.984	92.335	ug/L	22.333
>	115 In			1047518.950	ug/L	1035315.504
	208 207.977	0.007764	31.111	307.339	ug/L	223.336
	207 Pb	0.005132	68.903	119.334	ug/L	97.001
	206 Pb	0.007055	13.304	153.335	ug/L	110.001
>	169 Tm			617632.929	ug/L	636245.719
	106 Pd	0.007032	43.301	7.333	ug/L	6.000
	83 Kr	-12.626591	1286.242	1214.393	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	110.616
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	98.725
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.179
	Pb	208	
>	Tm-1	169	97.075
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	98.725
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.179
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	97.075
	Pd	106	
	Kr	83	

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

Sample ID: BLK RECAL
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 19:59:12
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCB 3.030
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			1383982.499	ug/L	
>	6	Li-1			444451.177	ug/L	
	9	Be			5.000	ug/L	
	44	Ca			19836.132	ug/L	
	51	V			-34019.854	ug/L	
	52	Cr			29005.332	ug/L	
	55	Mn			2073.579	ug/L	
	59	Co			148.001	ug/L	
	60	Ni			228.665	ug/L	
	65	Cu			83.825	ug/L	
	68	Zn			1791.517	ug/L	
	75	As			17678.522	ug/L	
	82	Se			1263.227	ug/L	
	97	Mo			581.020	ug/L	
>	72	Ge-1			983199.837	ug/L	
	107	Ag			247.004	ug/L	
	111	Cd			24.946	ug/L	
	121	Sb			1915.213	ug/L	
	135	Ba			193.002	ug/L	
>	115	In-1			1047518.950	ug/L	
	208	Pb			580.008	ug/L	
>	169	Tm-1			617632.929	ug/L	
	50	Cr			-779.597	ug/L	
	53	Cr			146747.138	ug/L	
	61	Ni			2496.998	ug/L	
	63	Cu			75.334	ug/L	
	67	Zn			2126.057	ug/L	
	66	Zn			626.730	ug/L	
	76	Se			-123663.892	ug/L	
	77	Se			12556.637	ug/L	
	78	Se			20086.225	ug/L	
	79	Br			49440.612	ug/L	
>	72	Ge			983199.837	ug/L	
	108	Cd			3.199	ug/L	
	114	Cd			59.883	ug/L	

	109 Ag	92.335	ug/L
>	115 In	1047518.950	ug/L
	208 207.977	307.339	ug/L
	207 Pb	119.334	ug/L
	206 Pb	153.335	ug/L
>	169 Tm	617632.929	ug/L
	106 Pd	7.333	ug/L
	83 Kr	1214.393	ug/L

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	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	
	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	
	Kr	83	

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: Friday, June 16, 2006 19:55:01
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCV 3.029
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			1351961.641	ug/L	1383982.499
>	6	Li-1			446393.934	ug/L	444451.177
	9	Be	100.000000	0.827	28667.219	ug/L	5.000
	44	Ca	5100.000000	0.096	1858679.159	ug/L	19836.132
	51	V	100.000000	0.881	1247657.342	ug/L	-34019.854
	52	Cr	100.000000	0.393	1180124.620	ug/L	29005.332
	55	Mn	100.000000	0.809	1884717.270	ug/L	2073.579
	59	Co	100.000000	1.013	1481762.021	ug/L	148.001
	60	Ni	100.000000	1.331	316726.962	ug/L	228.665
	65	Cu	100.000000	1.133	289973.460	ug/L	83.825
	68	Zn	100.000000	1.438	103468.573	ug/L	1791.517
	75	As	100.000000	0.614	263679.148	ug/L	17678.522
	82	Se	100.000000	0.749	25812.608	ug/L	1263.227
	97	Mo	200.000000	0.214	378007.837	ug/L	581.020
>	72	Ge-1			967935.252	ug/L	983199.837
	107	Ag	50.000000	1.235	496436.290	ug/L	247.004
	111	Cd	100.000000	0.946	228843.646	ug/L	24.946
	121	Sb	50.000000	1.268	368686.867	ug/L	1915.213
	135	Ba	100.000000	1.140	195800.514	ug/L	193.002
>	115	In-1			1025476.341	ug/L	1047518.950
	208	Pb	100.000000	0.906	2338354.698	ug/L	580.008
>	169	Tm-1			616712.883	ug/L	617632.929
	50	Cr	100.000000	2.314	22159.172	ug/L	-779.597
	53	Cr	100.000000	4.115	283028.308	ug/L	146747.138
	61	Ni	100.000000	2.456	7548.441	ug/L	2496.998
	63	Cu	100.000000	0.290	227865.168	ug/L	75.334
	67	Zn	100.000000	2.759	11085.301	ug/L	2126.057
	66	Zn	100.000000	0.419	53694.030	ug/L	626.730
	76	Se	100.000000	5.480	-116472.382	ug/L	-123663.892
	77	Se	100.000000	3.532	30581.710	ug/L	12556.637
	78	Se	100.000000	1.538	78686.125	ug/L	20086.225
	79	Br	100.000000	959.203	48562.519	ug/L	49440.612
>	72	Ge			967935.252	ug/L	983199.837
	108	Cd	100.000000	2.939	15968.424	ug/L	3.199
	114	Cd	100.000000	0.857	550494.846	ug/L	59.883

109	Ag	50.000000	0.801	174935.896	ug/L	92.335
> 115	In			1025476.341	ug/L	1047518.950
208	207.977	100.000000	1.502	1191803.125	ug/L	307.339
207	Pb	100.000000	2.153	492472.492	ug/L	119.334
206	Pb	100.000000	1.007	654079.081	ug/L	153.335
> 169	Tm			616712.883	ug/L	617632.929
106	Pd	100.000000	0.691	19597.255	ug/L	7.333
83	Kr	100.000000	208.710	1194.057	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	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	
	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	
	Kr	83	

Sample ID: CCV 4
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 20:03:23
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCV 4.031
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1367728.648	ug/L	1383982.499
>	6	Li-1			448860.490	ug/L	444451.177
	9	Be	99.649177	0.382	28724.739	ug/L	5.000
	44	Ca	5082.751288	0.500	1870800.459	ug/L	19836.132
	51	V	100.238457	0.661	1263092.001	ug/L	-34019.854
	52	Cr	99.103102	0.787	1181346.323	ug/L	29005.332
	55	Mn	97.821373	1.356	1861911.961	ug/L	2073.579
	59	Co	99.238654	0.214	1485068.681	ug/L	148.001
	60	Ni	98.636430	1.282	315525.152	ug/L	228.665
	65	Cu	98.611977	0.448	288789.516	ug/L	83.825
	68	Zn	98.912647	0.646	103374.398	ug/L	1791.517
	75	As	99.659305	0.351	265445.535	ug/L	17678.522
	82	Se	99.312233	1.315	25898.071	ug/L	1263.227
	97	Mo	197.249557	0.791	376497.807	ug/L	581.020
>	72	Ge-1			977537.321	ug/L	983199.837
	107	Ag	49.614914	0.509	496568.580	ug/L	247.004
	111	Cd	98.571202	1.380	227381.140	ug/L	24.946
	121	Sb	49.564067	0.673	368423.770	ug/L	1915.213
	135	Ba	99.871498	1.573	197114.058	ug/L	193.002
>	115	In-1			1033649.932	ug/L	1047518.950
	208	Pb	98.675937	0.946	2324683.312	ug/L	580.008
>	169	Tm-1			621323.577	ug/L	617632.929
	50	Cr	98.437588	2.017	22015.057	ug/L	-779.597
	53	Cr	94.690006	3.454	278418.453	ug/L	146747.138
	61	Ni	93.837237	1.768	7306.868	ug/L	2496.998
	63	Cu	99.225781	0.351	228344.844	ug/L	75.334
	67	Zn	97.222847	1.697	10943.132	ug/L	2126.057
	66	Zn	98.469540	1.226	53402.431	ug/L	626.730
	76	Se	89.192315	9.850	-118200.341	ug/L	-123663.892
	77	Se	98.612101	0.661	30629.150	ug/L	12556.637
	78	Se	99.592173	0.410	79222.537	ug/L	20086.225
	79	Br	1428.954119	44.520	47547.291	ug/L	49440.612
>	72	Ge			977537.321	ug/L	983199.837
	108	Cd	99.286127	1.055	15982.904	ug/L	3.199
	114	Cd	99.372105	0.419	551415.961	ug/L	59.883

	109 Ag	49.653951	0.524	175114.002	ug/L	92.335
>	115 In			1033649.932	ug/L	1047518.950
	208 207.977	98.309013	1.374	1180451.059	ug/L	307.339
	207 Pb	99.659157	0.499	494500.917	ug/L	119.334
	206 Pb	98.604183	1.152	649731.336	ug/L	153.335
>	169 Tm			621323.577	ug/L	617632.929
	106 Pd	99.670868	0.898	19532.779	ug/L	7.333
	83 Kr	-54.096463	379.911	1225.393	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	100.992
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	99.424
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.676
	Pb	208	
>	Tm-1	169	100.598
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.424
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.676
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	100.598
	Pd	106	
	Kr	83	

Sample ID: CCB 4
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 20:07:34
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCB 4.032
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1394664.655	ug/L	1383982.499
>	6	Li-1			450109.539	ug/L	444451.177
	9	Be	-0.000230	3008.912	5.000	ug/L	5.000
	44	Ca	-1.423990	92.714	19565.193	ug/L	19836.132
	51	V	-0.130083	156.612	-36174.335	ug/L	-34019.854
	52	Cr	-0.033301	38.395	28986.266	ug/L	29005.332
	55	Mn	0.001093	79.766	2121.591	ug/L	2073.579
	59	Co	0.002280	29.967	184.669	ug/L	148.001
	60	Ni	0.002992	126.187	241.357	ug/L	228.665
	65	Cu	-0.000561	175.170	83.237	ug/L	83.825
	68	Zn	0.084621	68.106	1903.207	ug/L	1791.517
	75	As	-0.014335	1730.278	17870.510	ug/L	17678.522
	82	Se	-0.243221	182.877	1217.986	ug/L	1263.227
	97	Mo	0.005589	1052.951	599.354	ug/L	581.020
>	72	Ge-1			995934.318	ug/L	983199.837
	107	Ag	0.001120	222.333	260.337	ug/L	247.004
	111	Cd	0.000289	758.246	25.800	ug/L	24.946
	121	Sb	-0.000396	7144.998	1926.547	ug/L	1915.213
	135	Ba	0.006700	87.278	208.002	ug/L	193.002
>	115	In-1			1056065.715	ug/L	1047518.950
	208	Pb	0.002599	66.389	658.676	ug/L	580.008
>	169	Tm-1			634698.314	ug/L	617632.929
	50	Cr	0.063911	37.754	-774.622	ug/L	-779.597
	53	Cr	-1.876124	90.128	145971.708	ug/L	146747.138
	61	Ni	-2.867331	37.556	2379.239	ug/L	2496.998
	63	Cu	-0.003117	77.444	69.001	ug/L	75.334
	67	Zn	-0.682469	184.188	2090.367	ug/L	2126.057
	66	Zn	0.105409	4.944	692.410	ug/L	626.730
	76	Se	-11.424954	268.095	-125884.438	ug/L	-123663.892
	77	Se	-2.170543	23.595	12312.394	ug/L	12556.637
	78	Se	-0.393046	88.539	20107.864	ug/L	20086.225
	79	Br	940.639658	91.691	48998.871	ug/L	49440.612
>	72	Ge			995934.318	ug/L	983199.837
	108	Cd	0.019115	103.226	6.383	ug/L	3.199
	114	Cd	-0.000210	708.247	59.139	ug/L	59.883

109	Ag	-0.000496	909.079	91.335	ug/L	92.335
115	In			1056065.715	ug/L	1047518.950
208	207.977	0.002867	77.802	351.007	ug/L	307.339
207	Pb	0.003138	86.269	138.668	ug/L	119.334
206	Pb	0.001703	174.829	169.002	ug/L	153.335
169	Tm			634698.314	ug/L	617632.929
106	Pd	0.000	768224430.641	7.333	ug/L	7.333
83	Kr	-118.031992	514.821	1238.395	ug/L	1214.393

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	101.273
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	101.295
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.816
Pb	208	
Tm-1	169	102.763
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	101.295
Cd	108	
Cd	114	
Ag	109	
In	115	100.816
207.977	208	
Pb	207	
Pb	206	
Tm	169	102.763
Pd	106	
Kr	83	

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

Sample ID: H6LVF
Sample Description: G6F020224-5
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 20:11:44
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LVF.033
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 33
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			1510897.032	ug/L	1383982.499
>	6	Li-1			480216.113	ug/L	444451.177
	9	Be	-0.003457	57.396	4.333	ug/L	5.000
	44	Ca	415.914609	0.534	183239.170	ug/L	19836.132
	51	V	2.113858	0.308	-6929.533	ug/L	-34019.854
	52	Cr	1.186090	1.634	45631.345	ug/L	29005.332
	55	Mn	6.865059	0.734	141913.231	ug/L	2073.579
	59	Co	0.358405	1.248	5897.320	ug/L	148.001
	60	Ni	0.739083	1.223	2772.088	ug/L	228.665
	65	Cu	10.526802	1.257	33073.988	ug/L	83.825
	68	Zn	5.149055	1.757	7567.605	ug/L	1791.517
	75	As	0.820953	9.768	20998.181	ug/L	17678.522
	82	Se	0.526954	71.643	1484.670	ug/L	1263.227
	97	Mo	-0.014698	82.060	588.353	ug/L	581.020
->	72	Ge-1			1046313.104	ug/L	983199.837
	107	Ag	-0.005982	23.323	195.336	ug/L	247.004
	111	Cd	0.039741	15.505	123.609	ug/L	24.946
	121	Sb	-0.086725	15.773	1326.768	ug/L	1915.213
	135	Ba	2.391194	2.905	5212.886	ug/L	193.002
->	115	In-1			1098456.846	ug/L	1047518.950
	208	Pb	1.790052	1.638	43045.110	ug/L	580.008
->	169	Tm-1			625698.998	ug/L	617632.929
	50	Cr	3.839240	2.045	121.808	ug/L	-779.597
	53	Cr	-55.076541	2.551	73686.213	ug/L	146747.138
	61	Ni	-0.989034	186.742	2602.417	ug/L	2496.998
	63	Cu	10.613126	0.491	26213.829	ug/L	75.334
	67	Zn	-5.253283	30.302	1752.494	ug/L	2126.057
	66	Zn	5.386293	0.648	3757.257	ug/L	626.730
	76	Se	8.128540	173.280	-131141.207	ug/L	-123663.892
	77	Se	-42.403154	1.046	5011.671	ug/L	12556.637
	78	Se	0.643389	65.333	21784.113	ug/L	20086.225
	79	Br	24891.341070	3.710	22560.048	ug/L	49440.612
->	72	Ge			1046313.104	ug/L	983199.837
	108	Cd	0.190653	22.785	35.920	ug/L	3.199
	114	Cd	0.031856	18.233	250.467	ug/L	59.883

	109 Ag	-0.009462	21.373	61.334	ug/L	92.335
>	115 In			1098456.846	ug/L	1047518.950
	208 207.977	1.840058	2.194	22554.707	ug/L	307.339
	207 Pb	1.863296	0.440	9429.078	ug/L	119.334
	206 Pb	1.643776	2.307	11061.325	ug/L	153.335
>	169 Tm			625698.998	ug/L	617632.929
	106 Pd	0.551308	13.007	115.334	ug/L	7.333
	83 Kr	-478.683726	65.788	1311.736	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	108.047
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	106.419
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	104.863
	Pb	208	
>	Tm-1	169	101.306
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	106.419
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	104.863
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	101.306
	Pd	106	
	Kr	83	

Sample ID: H6LVH
Sample Description: G6F020224-6
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 20:15:53
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LVH.034
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 34
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			1520991.995	ug/L	1383982.499
>	6	Li-1			476482.016	ug/L	444451.177
	9	Be	0.002091	156.949	6.000	ug/L	5.000
	44	Ca	447.111398	2.465	194895.363	ug/L	19836.132
	51	V	2.029669	4.165	-8068.956	ug/L	-34019.854
	52	Cr	1.430079	2.998	48549.660	ug/L	29005.332
	55	Mn	7.719781	2.485	158899.653	ug/L	2073.579
	59	Co	0.198689	2.572	3331.301	ug/L	148.001
	60	Ni	0.660076	2.506	2495.190	ug/L	228.665
	65	Cu	22.097200	1.646	69156.784	ug/L	83.825
	68	Zn	4.934292	0.617	7313.722	ug/L	1791.517
	75	As	0.902101	4.106	21163.616	ug/L	17678.522
	82	Se	0.211536	126.889	1397.565	ug/L	1263.227
	97	Mo	-0.009183	250.593	597.687	ug/L	581.020
>	72	Ge-1			1043830.599	ug/L	983199.837
	107	Ag	-0.004612	29.841	209.003	ug/L	247.004
	111	Cd	0.038530	36.884	120.196	ug/L	24.946
	121	Sb	-0.109785	1.725	1140.074	ug/L	1915.213
	135	Ba	2.795246	1.367	6030.411	ug/L	193.002
>	115	In-1			1093202.376	ug/L	1047518.950
	208	Pb	1.729574	1.818	41821.695	ug/L	580.008
>	169	Tm-1			628990.770	ug/L	617632.929
	50	Cr	4.366115	9.625	252.177	ug/L	-779.597
	53	Cr	-51.838171	4.806	78367.174	ug/L	146747.138
	61	Ni	-0.995161	198.599	2596.747	ug/L	2496.998
	63	Cu	22.365802	1.116	55017.107	ug/L	75.334
	67	Zn	-5.138586	27.305	1759.831	ug/L	2126.057
	66	Zn	5.241326	3.031	3665.483	ug/L	626.730
	76	Se	9.883841	284.506	-130742.553	ug/L	-123663.892
	77	Se	-41.028067	1.571	5270.111	ug/L	12556.637
	78	Se	1.102770	58.779	22021.333	ug/L	20086.225
	79	Br	24738.467735	2.904	22691.945	ug/L	49440.612
>	72	Ge			1043830.599	ug/L	983199.837
	108	Cd	0.232210	19.311	42.870	ug/L	3.199
	114	Cd	0.030046	13.002	238.821	ug/L	59.883

	109 Ag	-0.007605	39.340	68.001	ug/L	92.335
>	115 In			1093202.376	ug/L	1047518.950
	208 207.977	1.773059	2.319	21854.592	ug/L	307.339
	207 Pb	1.831317	0.832	9317.626	ug/L	119.334
	206 Pb	1.573721	2.088	10649.477	ug/L	153.335
>	169 Tm			628990.770	ug/L	617632.929
	106 Pd	0.667015	27.177	138.001	ug/L	7.333
	83 Kr	-78.686941	490.713	1230.394	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	107.207
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	106.167
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	104.361
	Pb	208	
>	Tm-1	169	101.839
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	106.167
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	104.361
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	101.839
	Pd	106	
	Kr	83	

Sample ID: H6LVK
Sample Description: G6F020224-7
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 20:20:03
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LVK.035
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 35
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			1539165.564	ug/L	1383982.499
>	6	Li-1			483469.019	ug/L	444451.177
	9	Be	-0.003609	283.605	4.333	ug/L	5.000
	44	Ca	417.469317	0.308	184872.614	ug/L	19836.132
	51	V	2.020717	1.578	-8263.713	ug/L	-34019.854
	52	Cr	1.287258	6.002	47152.070	ug/L	29005.332
	55	Mn	6.689928	0.881	139126.060	ug/L	2073.579
	59	Co	0.228302	3.572	3835.174	ug/L	148.001
	60	Ni	0.642449	2.566	2454.858	ug/L	228.665
	65	Cu	29.751912	0.286	93841.346	ug/L	83.825
	68	Zn	4.775989	2.565	7197.293	ug/L	1791.517
	75	As	0.846284	19.203	21183.233	ug/L	17678.522
	82	Se	0.058340	567.294	1367.163	ug/L	1263.227
	97	Mo	-0.039510	35.064	540.683	ug/L	581.020
>	72	Ge-1			1052157.463	ug/L	983199.837
	107	Ag	-0.002553	26.295	233.003	ug/L	247.004
	111	Cd	0.036753	5.551	116.809	ug/L	24.946
	121	Sb	-0.139355	4.234	917.715	ug/L	1915.213
	135	Ba	2.291112	3.967	5027.779	ug/L	193.002
>	115	In-1			1103792.314	ug/L	1047518.950
	208	Pb	1.743437	1.549	42867.185	ug/L	580.008
>	169	Tm-1			639531.103	ug/L	617632.929
	50	Cr	3.687306	4.759	84.751	ug/L	-779.597
	53	Cr	-51.630068	6.319	79277.742	ug/L	146747.138
	61	Ni	-0.035666	3510.340	2670.141	ug/L	2496.998
	63	Cu	29.962304	0.376	74270.218	ug/L	75.334
	67	Zn	-5.595735	25.823	1728.146	ug/L	2126.057
	66	Zn	4.981206	1.185	3544.676	ug/L	626.730
	76	Se	7.860920	156.990	-131887.477	ug/L	-123663.892
	77	Se	-40.709800	3.301	5374.824	ug/L	12556.637
	78	Se	0.678800	44.157	21929.192	ug/L	20086.225
	79	Br	24611.549719	5.319	23020.577	ug/L	49440.612
>	72	Ge			1052157.463	ug/L	983199.837
	108	Cd	0.259287	35.338	47.968	ug/L	3.199
	114	Cd	0.030555	5.370	244.160	ug/L	59.883

	109 Ag	-0.006634	21.229	72.334	ug/L	92.335
>	115 In			1103792.314	ug/L	1047518.950
	208 207.977	1.777867	2.036	22285.348	ug/L	307.339
	207 Pb	1.839069	2.883	9514.841	ug/L	119.334
	206 Pb	1.608685	1.881	11066.996	ug/L	153.335
>	169 Tm			639531.103	ug/L	617632.929
	106 Pd	0.617669	1.720	128.334	ug/L	7.333
	83 Kr	-614.749116	60.960	1339.405	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	108.779
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	107.014
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	105.372
	Pb	208	
>	Tm-1	169	103.545
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	107.014
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	105.372
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	103.545
	Pd	106	
	Kr	83	

Sample ID: H6LVL
Sample Description: G6F020224-8
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 20:24:13
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LVL.036
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 36
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			1513914.978	ug/L	1383982.499
>	6	Li-1			478718.577	ug/L	444451.177
	9	Be	0.017239	31.947	10.667	ug/L	5.000
	44	Ca	812.245669	1.764	336055.185	ug/L	19836.132
	51	V	2.732682	11.117	1619.642	ug/L	-34019.854
	52	Cr	1.756338	4.224	52471.893	ug/L	29005.332
	55	Mn	21.866962	2.071	444985.960	ug/L	2073.579
	59	Co	0.800814	1.844	12918.530	ug/L	148.001
	60	Ni	1.068847	1.634	3880.827	ug/L	228.665
	65	Cu	224.274842	1.979	699356.531	ug/L	83.825
	68	Zn	7.903539	1.590	10543.349	ug/L	1791.517
	75	As	1.163770	14.421	21801.718	ug/L	17678.522
	82	Se	0.020935	1712.797	1342.630	ug/L	1263.227
	97	Mo	0.086904	7.945	791.702	ug/L	581.020
>	72	Ge-1			1041225.636	ug/L	983199.837
	107	Ag	0.077825	8.758	1086.068	ug/L	247.004
	111	Cd	0.065784	8.429	187.356	ug/L	24.946
	121	Sb	-0.097309	7.323	1243.755	ug/L	1915.213
	135	Ba	6.872893	1.272	14610.522	ug/L	193.002
>	115	In-1			1099077.932	ug/L	1047518.950
	208	Pb	3.008486	2.040	72245.186	ug/L	580.008
>	169	Tm-1			628423.652	ug/L	617632.929
	50	Cr	7.210355	13.484	952.745	ug/L	-779.597
	53	Cr	-50.263167	9.075	80493.327	ug/L	146747.138
	61	Ni	-0.149478	1202.238	2636.780	ug/L	2496.998
	63	Cu	213.166412	1.007	522383.827	ug/L	75.334
	67	Zn	-1.654579	86.712	2091.702	ug/L	2126.057
	66	Zn	7.933637	0.596	5193.312	ug/L	626.730
	76	Se	-9.365046	121.693	-131494.758	ug/L	-123663.892
	77	Se	-40.425628	3.494	5374.491	ug/L	12556.637
	78	Se	0.725154	89.125	21728.334	ug/L	20086.225
	79	Br	23678.206005	4.977	23904.559	ug/L	49440.612
>	72	Ge			1041225.636	ug/L	983199.837
	108	Cd	0.076828	113.736	16.683	ug/L	3.199
	114	Cd	0.053894	8.955	380.621	ug/L	59.883

	109 Ag	0.073195	12.574	371.356	ug/L	92.335
>	115 In			1099077.932	ug/L	1047518.950
	208 207.977	3.078027	2.155	37677.951	ug/L	307.339
	207 Pb	3.210102	2.288	16224.696	ug/L	119.334
	206 Pb	2.729949	2.025	18342.539	ug/L	153.335
>	169 Tm			628423.652	ug/L	617632.929
	106 Pd	0.940971	5.698	191.669	ug/L	7.333
	83 Kr	-211.472120	123.198	1257.397	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	107.710
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	105.902
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	104.922
	Pb	208	
>	Tm-1	169	101.747
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	105.902
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	104.922
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	101.747
	Pd	106	
	Kr	83	

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

Sample ID: H6LVM
Sample Description: G6F020224-9
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 20:28:24
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LVM.037
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 37
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			1516820.904	ug/L	1383982.499
>	6	Li-1			481696.162	ug/L	444451.177
	9	Be	0.005127	65.998	7.000	ug/L	5.000
	44	Ca	608.436113	0.530	259000.371	ug/L	19836.132
	51	V	2.298748	4.784	-4382.752	ug/L	-34019.854
	52	Cr	1.299083	4.093	47167.132	ug/L	29005.332
	55	Mn	16.152382	0.189	331836.957	ug/L	2073.579
	59	Co	0.510881	2.085	8362.662	ug/L	148.001
	60	Ni	0.797896	0.634	2981.380	ug/L	228.665
	65	Cu	107.567522	0.754	338088.310	ug/L	83.825
	68	Zn	5.944111	0.906	8464.759	ug/L	1791.517
	75	As	0.925992	4.870	21337.121	ug/L	17678.522
	82	Se	0.215175	105.636	1405.248	ug/L	1263.227
	97	Mo	-0.030651	38.604	557.351	ug/L	581.020
>	72	Ge-1			1049194.551	ug/L	983199.837
	107	Ag	0.025687	3.555	534.016	ug/L	247.004
	111	Cd	0.051392	15.540	152.709	ug/L	24.946
	121	Sb	-0.124444	2.620	1034.061	ug/L	1915.213
	135	Ba	4.995271	1.487	10708.550	ug/L	193.002
>	115	In-1			1102410.031	ug/L	1047518.950
	208	Pb	2.214844	1.000	54436.344	ug/L	580.008
>	169	Tm-1			641221.260	ug/L	617632.929
	50	Cr	5.143279	9.923	446.148	ug/L	-779.597
	53	Cr	-51.155731	6.890	79766.630	ug/L	146747.138
	61	Ni	-1.602044	122.785	2576.062	ug/L	2496.998
	63	Cu	105.210432	0.954	259860.096	ug/L	75.334
	67	Zn	-3.923717	48.400	1886.239	ug/L	2126.057
	66	Zn	6.147876	4.459	4205.831	ug/L	626.730
	76	Se	8.718265	172.753	-131467.433	ug/L	-123663.892
	77	Se	-40.035061	3.474	5492.875	ug/L	12556.637
	78	Se	0.382478	66.067	21678.696	ug/L	20086.225
	79	Br	24663.819259	4.330	22892.988	ug/L	49440.612
>	72	Ge			1049194.551	ug/L	983199.837
	108	Cd	0.192283	53.702	36.344	ug/L	3.199
	114	Cd	0.044848	4.902	328.438	ug/L	59.883

	109 Ag	0.018135	15.076	165.338	ug/L	92.335
>	115 In			1102410.031	ug/L	1047518.950
	208 207.977	2.289799	1.252	28686.283	ug/L	307.339
	207 Pb	2.284021	2.078	11815.640	ug/L	119.334
	206 Pb	2.026168	1.514	13934.421	ug/L	153.335
>	169 Tm			641221.260	ug/L	617632.929
	106 Pd	0.779320	4.945	160.001	ug/L	7.333
	83 Kr	-570.487632	91.365	1330.404	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	108.380
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	106.712
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	105.240
	Pb	208	
>	Tm-1	169	103.819
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	106.712
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	105.240
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	103.819
	Pd	106	
	Kr	83	

Sample ID: H6LVN
Sample Description: G6F020224-10
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 20:32:34
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LVN.038
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 38
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			1515410.772	ug/L	1383982.499
>	6	Li-1			481241.465	ug/L	444451.177
	9	Be	0.010512	33.730	8.667	ug/L	5.000
	44	Ca	712.500324	1.380	299197.470	ug/L	19836.132
	51	V	2.347855	5.802	-3683.968	ug/L	-34019.854
	52	Cr	1.602476	2.934	50878.185	ug/L	29005.332
	55	Mn	14.032458	0.932	288126.987	ug/L	2073.579
	59	Co	0.420673	0.654	6903.055	ug/L	148.001
	60	Ni	0.980103	2.028	3600.597	ug/L	228.665
	65	Cu	202.069945	1.248	634019.573	ug/L	83.825
	68	Zn	8.315791	6.930	11058.995	ug/L	1791.517
	75	As	0.863753	22.851	21135.812	ug/L	17678.522
	82	Se	0.182561	72.007	1394.363	ug/L	1263.227
	97	Mo	0.066101	16.534	754.033	ug/L	581.020
>	72	Ge-1			1047583.934	ug/L	983199.837
	107	Ag	0.065884	9.639	961.053	ug/L	247.004
	111	Cd	0.053258	6.086	156.982	ug/L	24.946
	121	Sb	-0.113568	2.249	1117.738	ug/L	1915.213
	135	Ba	5.084189	0.079	10875.087	ug/L	193.002
>	115	In-1			1100370.242	ug/L	1047518.950
	208	Pb	3.222261	2.148	78291.543	ug/L	580.008
>	169	Tm-1			636304.459	ug/L	617632.929
	50	Cr	5.666618	11.617	574.604	ug/L	-779.597
	53	Cr	-51.101560	5.523	79750.007	ug/L	146747.138
	61	Ni	1.533922	118.885	2745.540	ug/L	2496.998
	63	Cu	195.303030	0.740	481555.609	ug/L	75.334
	67	Zn	-2.166200	47.432	2055.010	ug/L	2126.057
	66	Zn	8.804644	8.283	5723.251	ug/L	626.730
	76	Se	-9.246060	31.397	-132288.528	ug/L	-123663.892
	77	Se	-39.782479	3.446	5535.895	ug/L	12556.637
	78	Se	0.235916	151.401	21551.277	ug/L	20086.225
	79	Br	24158.991810	3.758	23474.398	ug/L	49440.612
>	72	Ge			1047583.934	ug/L	983199.837
	108	Cd	0.228329	34.524	42.469	ug/L	3.199
	114	Cd	0.042090	20.393	311.471	ug/L	59.883

	109 Ag	0.063964	4.741	337.018	ug/L	92.335
>	115 In			1100370.242	ug/L	1047518.950
	208 207.977	3.290595	2.768	40751.346	ug/L	307.339
	207 Pb	3.352559	2.196	17150.128	ug/L	119.334
	206 Pb	2.999627	2.000	20390.069	ug/L	153.335
>	169 Tm			636304.459	ug/L	617632.929
	106 Pd	0.966495	11.873	196.669	ug/L	7.333
	83 Kr	-386.880445	33.246	1293.067	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	108.278
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	106.548
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	105.045
	Pb	208	
>	Tm-1	169	103.023
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	106.548
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	105.045
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	103.023
	Pd	106	
	Kr	83	

Sample ID: H6LVQ
Sample Description: G6F020224-11
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 20:36:46
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LVQ.039
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 39
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			1512386.237	ug/L	1383982.499
>	6	Li-1			478432.533	ug/L	444451.177
	9	Be	0.025949	60.103	13.333	ug/L	5.000
	44	Ca	1113.131842	1.425	457198.951	ug/L	19836.132
	51	V	3.286860	2.282	9365.221	ug/L	-34019.854
	52	Cr	1.785964	5.911	53349.512	ug/L	29005.332
	55	Mn	27.490020	1.307	564337.721	ug/L	2073.579
	59	Co	0.601888	2.251	9843.535	ug/L	148.001
	60	Ni	1.142107	2.545	4170.589	ug/L	228.665
	65	Cu	151.758034	1.373	477903.203	ug/L	83.825
	68	Zn	11.403165	1.616	14512.025	ug/L	1791.517
	75	As	1.125725	15.583	21914.139	ug/L	17678.522
	82	Se	-0.044550	555.389	1339.105	ug/L	1263.227
	97	Mo	0.125579	8.797	878.711	ug/L	581.020
>	72	Ge-1			1051362.150	ug/L	983199.837
	107	Ag	0.050003	15.288	796.370	ug/L	247.004
	111	Cd	0.095689	12.591	262.961	ug/L	24.946
	121	Sb	-0.058811	6.451	1558.472	ug/L	1915.213
	135	Ba	9.590983	0.743	20459.893	ug/L	193.002
>	115	In-1			1107157.909	ug/L	1047518.950
	208	Pb	3.227179	0.427	79675.620	ug/L	580.008
>	169	Tm-1			646313.686	ug/L	617632.929
	50	Cr	7.384922	6.368	1005.435	ug/L	-779.597
	53	Cr	-51.084502	9.202	80010.085	ug/L	146747.138
	61	Ni	0.953559	420.754	2721.856	ug/L	2496.998
	63	Cu	148.146624	3.234	366580.950	ug/L	75.334
	67	Zn	0.407821	425.419	2312.525	ug/L	2126.057
	66	Zn	11.543005	2.455	7324.241	ug/L	626.730
	76	Se	-3.280631	720.646	-132430.471	ug/L	-123663.892
	77	Se	-39.943713	3.770	5521.221	ug/L	12556.637
	78	Se	0.212233	238.874	21613.560	ug/L	20086.225
	79	Br	23645.929695	5.339	24169.394	ug/L	49440.612
>	72	Ge			1051362.150	ug/L	983199.837
	108	Cd	0.287976	56.718	52.868	ug/L	3.199
	114	Cd	0.081405	6.052	547.027	ug/L	59.883

	109 Ag	0.039060	9.257	245.010	ug/L	92.335
>	115 In			1107157.909	ug/L	1047518.950
	208 207.977	3.312043	1.703	41681.394	ug/L	307.339
	207 Pb	3.314245	1.120	17227.277	ug/L	119.334
	206 Pb	3.006976	1.004	20766.949	ug/L	153.335
>	169 Tm			646313.686	ug/L	617632.929
	106 Pd	1.334040	8.473	268.671	ug/L	7.333
	83 Kr	-196.718030	109.155	1254.396	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	107.646
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	106.933
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	105.693
	Pb	208	
>	Tm-1	169	104.644
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	106.933
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	105.693
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.644
	Pd	106	
	Kr	83	

Sample ID: H6LVR
Sample Description: G6F020224-12
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 20:40:57
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LVR.040
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 40
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			1502851.373	ug/L	1383982.499
>	6	Li-1			476481.093	ug/L	444451.177
	9	Be	0.010770	60.785	8.667	ug/L	5.000
	44	Ca	844.018092	0.745	350603.563	ug/L	19836.132
	51	V	2.718577	2.047	1447.864	ug/L	-34019.854
	52	Cr	1.838240	5.217	53822.402	ug/L	29005.332
	55	Mn	17.347095	1.338	355717.846	ug/L	2073.579
	59	Co	0.436502	0.902	7158.594	ug/L	148.001
	60	Ni	0.969390	3.006	3564.925	ug/L	228.665
	65	Cu	66.844543	0.194	209845.021	ug/L	83.825
	68	Zn	9.401403	1.743	12258.915	ug/L	1791.517
	75	As	0.910101	11.928	21265.085	ug/L	17678.522
	82	Se	1.087614	28.154	1635.695	ug/L	1263.227
	97	Mo	0.019816	66.392	659.692	ug/L	581.020
>	72	Ge-1			1047772.913	ug/L	983199.837
	107	Ag	0.008924	9.420	355.341	ug/L	247.004
	111	Cd	0.105562	9.751	286.090	ug/L	24.946
	121	Sb	-0.075513	3.353	1420.449	ug/L	1915.213
	135	Ba	6.434086	2.068	13737.777	ug/L	193.002
>	115	In-1			1102845.560	ug/L	1047518.950
	208	Pb	2.579504	1.558	63690.840	ug/L	580.008
>	169	Tm-1			645199.928	ug/L	617632.929
	50	Cr	6.178556	2.232	702.626	ug/L	-779.597
	53	Cr	-50.954389	7.862	79949.845	ug/L	146747.138
	61	Ni	-1.365828	74.063	2585.736	ug/L	2496.998
	63	Cu	66.886198	0.740	165006.093	ug/L	75.334
	67	Zn	-1.612294	108.857	2108.381	ug/L	2126.057
	66	Zn	9.535782	3.353	6146.375	ug/L	626.730
	76	Se	12.392539	134.253	-131081.193	ug/L	-123663.892
	77	Se	-38.446730	2.768	5798.345	ug/L	12556.637
	78	Se	0.856646	39.262	21950.972	ug/L	20086.225
	79	Br	23722.271364	4.651	23998.726	ug/L	49440.612
>	72	Ge			1047772.913	ug/L	983199.837
	108	Cd	0.206963	36.244	38.962	ug/L	3.199
	114	Cd	0.090717	3.983	600.013	ug/L	59.883

	109 Ag	0.001704	208.372	103.668	ug/L	92.335
>	115 In			1102845.560	ug/L	1047518.950
	208 207.977	2.662144	1.576	33506.038	ug/L	307.339
	207 Pb	2.706016	3.277	14061.627	ug/L	119.334
	206 Pb	2.333653	1.737	16123.175	ug/L	153.335
>	169 Tm			645199.928	ug/L	617632.929
	106 Pd	1.073695	5.810	217.669	ug/L	7.333
	83 Kr	-386.881018	90.389	1293.067	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	107.207
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	106.568
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	105.282
	Pb	208	
>	Tm-1	169	104.463
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	106.568
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	105.282
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.463
	Pd	106	
	Kr	83	

Sample ID: H6LVT
Sample Description: G6F020224-13
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 20:45:09
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LVT.041
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 41
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			1489758.232	ug/L	1383982.499
>	6	Li-1			473879.217	ug/L	444451.177
	9	Be	0.008788	39.547	8.000	ug/L	5.000
	44	Ca	746.224167	1.198	312130.664	ug/L	19836.132
	51	V	2.530306	10.218	-1177.953	ug/L	-34019.854
	52	Cr	1.832765	1.191	53705.647	ug/L	29005.332
	55	Mn	17.576979	0.447	360088.050	ug/L	2073.579
	59	Co	0.445910	1.621	7302.380	ug/L	148.001
	60	Ni	1.071141	2.908	3909.893	ug/L	228.665
	65	Cu	81.803875	1.297	256533.071	ug/L	83.825
	68	Zn	8.304973	1.166	11042.297	ug/L	1791.517
	75	As	0.998667	4.778	21482.480	ug/L	17678.522
	82	Se	0.386868	19.830	1447.764	ug/L	1263.227
	97	Mo	0.009969	96.771	639.023	ug/L	581.020
>	72	Ge-1			1046804.603	ug/L	983199.837
	107	Ag	0.016555	19.856	434.678	ug/L	247.004
	111	Cd	0.059612	3.395	172.204	ug/L	24.946
	121	Sb	-0.102440	2.172	1202.749	ug/L	1915.213
	135	Ba	6.205909	0.161	13200.283	ug/L	193.002
>	115	In-1			1097922.064	ug/L	1047518.950
	208	Pb	2.624193	1.809	64271.689	ug/L	580.008
>	169	Tm-1			640148.323	ug/L	617632.929
	50	Cr	6.219732	15.279	712.567	ug/L	-779.597
	53	Cr	-50.384019	7.596	80770.916	ug/L	146747.138
	61	Ni	-1.651163	41.962	2567.721	ug/L	2496.998
	63	Cu	81.639155	0.331	201198.880	ug/L	75.334
	67	Zn	-2.195482	89.062	2051.011	ug/L	2126.057
	66	Zn	8.406491	2.524	5492.156	ug/L	626.730
	76	Se	-27.964657	62.341	-133254.091	ug/L	-123663.892
	77	Se	-38.717536	3.267	5741.320	ug/L	12556.637
	78	Se	0.771566	17.908	21876.887	ug/L	20086.225
	79	Br	23648.825767	3.716	24072.865	ug/L	49440.612
>	72	Ge			1046804.603	ug/L	983199.837
	108	Cd	0.256976	23.129	47.294	ug/L	3.199
	114	Cd	0.047377	12.250	342.084	ug/L	59.883

	109 Ag	0.009873	52.251	133.670	ug/L	92.335
->	115 In			1097922.064	ug/L	1047518.950
	208 207.977	2.687910	2.423	33556.229	ug/L	307.339
	207 Pb	2.726248	1.722	14055.280	ug/L	119.334
	206 Pb	2.431237	0.676	16660.181	ug/L	153.335
->	169 Tm			640148.323	ug/L	617632.929
	106 Pd	0.980107	7.818	199.336	ug/L	7.333
	83 Kr	-109.833696	229.645	1236.728	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
->	Li-1	6	106.621
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
->	Ge-1	72	106.469
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
->	In-1	115	104.812
	Pb	208	
->	Tm-1	169	103.645
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
->	Ge	72	106.469
	Cd	108	
	Cd	114	
	Ag	109	
->	In	115	104.812
	207.977	208	
	Pb	207	
	Pb	206	
->	Tm	169	103.645
	Pd	106	
	Kr	83	

Sample ID: H6LVV
Sample Description: G6F020224-14
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 20:49:22
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LVV.042
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 42
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			1496848.428	ug/L	1383982.499
>	6	Li-1			482840.495	ug/L	444451.177
	9	Be	-0.012140	15.467	1.667	ug/L	5.000
	44	Ca	268.168731	0.745	126417.360	ug/L	19836.132
	51	V	1.601974	16.390	-14103.901	ug/L	-34019.854
	52	Cr	1.210098	7.123	46210.738	ug/L	29005.332
	55	Mn	0.958805	1.727	21852.256	ug/L	2073.579
	59	Co	0.176119	0.787	2996.513	ug/L	148.001
	60	Ni	0.505826	3.161	1985.990	ug/L	228.665
	65	Cu	0.792830	0.865	2589.370	ug/L	83.825
	68	Zn	1.347350	10.338	3408.331	ug/L	1791.517
	75	As	0.482995	10.554	20222.752	ug/L	17678.522
	82	Se	-0.314858	96.990	1268.342	ug/L	1263.227
	97	Mo	-0.128032	4.484	359.341	ug/L	581.020
>	72	Ge-1			1052734.048	ug/L	983199.837
	107	Ag	-0.019162	1.989	55.667	ug/L	247.004
	111	Cd	-0.003793	63.334	17.031	ug/L	24.946
	121	Sb	-0.226672	1.017	228.336	ug/L	1915.213
	135	Ba	0.454180	1.473	1162.077	ug/L	193.002
>	115	In-1			1106084.993	ug/L	1047518.950
	208	Pb	0.165306	0.731	4637.806	ug/L	580.008
>	169	Tm-1			643621.186	ug/L	617632.929
	50	Cr	3.056057	4.914	-72.611	ug/L	-779.597
	53	Cr	-52.725508	6.669	77665.147	ug/L	146747.138
	61	Ni	-1.556342	75.495	2587.404	ug/L	2496.998
	63	Cu	0.814565	4.934	2098.706	ug/L	75.334
	67	Zn	-9.167325	19.192	1379.641	ug/L	2126.057
	66	Zn	1.711133	4.356	1658.774	ug/L	626.730
	76	Se	-3.034526	66.552	-132583.452	ug/L	-123663.892
	77	Se	-39.650050	3.257	5587.584	ug/L	12556.637
	78	Se	0.149082	97.288	21602.459	ug/L	20086.225
	79	Br	27887.185364	4.183	19052.225	ug/L	49440.612
>	72	Ge			1052734.048	ug/L	983199.837
	108	Cd	0.228343	12.147	42.744	ug/L	3.199
	114	Cd	-0.005889	28.352	28.210	ug/L	59.883

109	Ag	-0.020370	0.407	20.667	ug/L	92.335
> 115	In			1106084.993	ug/L	1047518.950
208	207.977	0.166785	0.435	2394.328	ug/L	307.339
207	Pb	0.177907	3.734	1038.728	ug/L	119.334
206	Pb	0.153122	0.702	1204.750	ug/L	153.335
> 169	Tm			643621.186	ug/L	617632.929
106	Pd	0.428794	15.307	91.334	ug/L	7.333
83	Kr	-209.832764	119.808	1257.063	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	108.637
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	107.072
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	105.591
	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	107.072
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	105.591
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.208
	Pd	106	
	Kr	83	

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: Friday, June 16, 2006 20:53:33
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCV 5.043
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1376317.406	ug/L	1383982.499
>	6	Li-1			448770.566	ug/L	444451.177
	9	Be	99.672498	1.514	28725.413	ug/L	5.000
	44	Ca	5047.634188	0.783	1879512.644	ug/L	19836.132
	51	V	98.780586	0.505	1258650.272	ug/L	-34019.854
	52	Cr	98.955720	0.525	1193377.403	ug/L	29005.332
	55	Mn	98.501562	0.803	1896605.751	ug/L	2073.579
	59	Co	98.724955	0.577	1494458.990	ug/L	148.001
	60	Ni	98.147616	0.752	317580.924	ug/L	228.665
	65	Cu	99.140396	0.947	293675.780	ug/L	83.825
	68	Zn	98.478228	0.486	104134.508	ug/L	1791.517
	75	As	99.874871	0.326	269084.338	ug/L	17678.522
	82	Se	98.777937	2.188	26060.040	ug/L	1263.227
	97	Mo	201.208227	1.166	388477.561	ug/L	581.020
>	72	Ge-1			988903.424	ug/L	983199.837
	107	Ag	50.487683	0.472	506383.083	ug/L	247.004
	111	Cd	99.720102	1.457	230538.704	ug/L	24.946
	121	Sb	49.755841	0.667	370626.448	ug/L	1915.213
	135	Ba	101.679266	0.252	201112.753	ug/L	193.002
>	115	In-1			1035855.008	ug/L	1047518.950
	208	Pb	100.174438	1.019	2392434.105	ug/L	580.008
>	169	Tm-1			629903.830	ug/L	617632.929
	50	Cr	101.465542	3.185	22975.927	ug/L	-779.597
	53	Cr	100.389094	4.417	289769.986	ug/L	146747.138
	61	Ni	92.275330	0.660	7310.209	ug/L	2496.998
	63	Cu	98.060214	0.748	228276.898	ug/L	75.334
	67	Zn	96.136877	3.361	10971.578	ug/L	2126.057
	66	Zn	97.504771	0.479	53501.474	ug/L	626.730
	76	Se	95.523584	24.277	-119239.383	ug/L	-123663.892
	77	Se	105.591536	2.331	32288.338	ug/L	12556.637
	78	Se	99.611771	0.091	80156.461	ug/L	20086.225
	79	Br	1185.939921	58.953	48382.521	ug/L	49440.612
>	72	Ge			988903.424	ug/L	983199.837
	108	Cd	100.073923	0.344	16143.433	ug/L	3.199
	114	Cd	99.850511	0.407	555273.924	ug/L	59.883

	109 Ag	50.878923	0.300	179814.862	ug/L	92.335
>	115 In			1035855.008	ug/L	1047518.950
	208 207.977	99.724532	0.693	1213944.175	ug/L	307.339
	207 Pb	100.587961	2.009	505931.296	ug/L	119.334
	206 Pb	100.682881	0.948	672558.634	ug/L	153.335
>	169 Tm			629903.830	ug/L	617632.929
	106 Pd	101.915204	2.205	19972.442	ug/L	7.333
	83 Kr	-168.850888	332.822	1248.729	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	100.972
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	100.580
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.887
	Pb	208	
>	Tm-1	169	101.987
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	100.580
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.887
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	101.987
	Pd	106	
	Kr	83	

Sample ID: CCB 5
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 20:57:44
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCB 5.044
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1392758.566	ug/L	1383982.499
>	6	Li-1			461100.927	ug/L	444451.177
	9	Be	-0.011880	16.735	1.667	ug/L	5.000
	44	Ca	-0.694963	158.519	20068.993	ug/L	19836.132
	51	V	-0.140226	77.501	-36736.089	ug/L	-34019.854
	52	Cr	0.323084	11.591	33601.733	ug/L	29005.332
	55	Mn	0.007143	9.618	2265.293	ug/L	2073.579
	59	Co	0.002943	63.753	197.002	ug/L	148.001
	60	Ni	-0.001302	367.687	230.080	ug/L	228.665
	65	Cu	-0.003047	115.190	76.761	ug/L	83.825
	68	Zn	-0.010983	266.418	1824.524	ug/L	1791.517
	75	As	-0.175330	137.212	17667.712	ug/L	17678.522
	82	Se	-0.331159	66.451	1210.278	ug/L	1263.227
	97	Mo	-0.006990	886.245	582.020	ug/L	581.020
>	72	Ge-1			1007740.746	ug/L	983199.837
	107	Ag	-0.001871	126.307	232.670	ug/L	247.004
	111	Cd	0.001759	266.750	29.643	ug/L	24.946
	121	Sb	-0.026736	83.724	1749.843	ug/L	1915.213
	135	Ba	0.016236	12.997	230.003	ug/L	193.002
>	115	In-1			1068732.780	ug/L	1047518.950
	208	Pb	0.002361	18.317	660.010	ug/L	580.008
>	169	Tm-1			641731.491	ug/L	617632.929
	50	Cr	-0.323457	38.165	-876.340	ug/L	-779.597
	53	Cr	3.902406	18.005	156038.755	ug/L	146747.138
	61	Ni	-3.468358	13.608	2375.569	ug/L	2496.998
	63	Cu	-0.004041	94.537	67.667	ug/L	75.334
	67	Zn	-0.321495	119.065	2149.072	ug/L	2126.057
	66	Zn	0.017074	358.200	651.735	ug/L	626.730
	76	Se	-4.079016	829.650	-126982.074	ug/L	-123663.892
	77	Se	5.672039	12.754	13946.110	ug/L	12556.637
	78	Se	-1.106662	43.156	19907.647	ug/L	20086.225
	79	Br	1077.297958	78.807	49422.879	ug/L	49440.612
>	72	Ge			1007740.746	ug/L	983199.837
	108	Cd	0.002302	1375.371	3.655	ug/L	3.199
	114	Cd	-0.000141	1482.337	60.279	ug/L	59.883

	109 Ag	-0.000966	291.183	90.668	ug/L	92.335
>	115 In			1068732.780	ug/L	1047518.950
	208 207.977	0.001895	54.784	342.673	ug/L	307.339
	207 Pb	0.002262	65.043	135.668	ug/L	119.334
	206 Pb	0.003286	22.790	181.669	ug/L	153.335
>	169 Tm			641731.491	ug/L	617632.929
	106 Pd	-0.011911	74.231	5.000	ug/L	7.333
	83 Kr	6.558652	2565.959	1213.059	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.746
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.496
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.025
	Pb	208	
>	Tm-1	169	103.902
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.496
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.025
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	103.902
	Pd	106	
	Kr	83	

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 060619A1	Batch Numbers 6167449, 6167454, 6170283, 6170290, 6170459, 6160308	Date 6/19/06	Analyst BRJ

Lot Numbers G6F020224, G6F160208, G6F160211, G6F170193, G6F170194, G6E160385	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?	✓	*1	
6. LCS/LCSD within limits?	✓		
7. Prep blank value < reporting limit or all samples >20x blank?	✓		
8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <130% of the Calibration Blank intensities?	✓		
9. Appropriate dilution factors applied to data?	✓		
10. Matrix spike and spike dup within customer defined limits?			✓
11. Each batch checked for presence of internal standard in samples?	✓		
12. Anomalies entered using Clouseau?			✓

COMMENTS: * SAMPLE G6E160385-6 IS OUT OF LIN. RANGE FOR Pb - RERUN @ 10x.

REVIEWED BY: MTL
DATE: 6/20/06

DATA ENTERED BY: BRJ
DATE: 6/20/06

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\060619a1\
Report Date/Time: Tuesday, June 20, 2006 09:33:08

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Description
	TUNE BJONES	15:14:08 Mon 19-Jun-06	Sample	
	AUTOLENS BJONES	15:16:37 Mon 19-Jun-06	Sample	
	DAILY BJONES	15:20:48 Mon 19-Jun-06	Sample	
6167449	H7KLG n.i.	19:33:06 Mon 19-Jun-06	Sample	G6F160208-1 N.I.
6167454	H7KL3 n.i.	19:35:52 Mon 19-Jun-06	Sample	G6F160211-1 N.I.
6170283	H7M98 n.i.	19:38:38 Mon 19-Jun-06	Sample	G6F170193-1 N.I.
6170290	H7NAM n.i.	19:41:25 Mon 19-Jun-06	Sample	G6F170194-1 N.I.
6170459	H5HRT n.i.	19:44:12 Mon 19-Jun-06	Sample	G6E160385-2 N.I.
	Rinse 3X	19:57:44 Mon 19-Jun-06	Sample	
	Blank	20:02:11 Mon 19-Jun-06	Blank	
	Standard 1	20:06:32 Mon 19-Jun-06	Standard #1	
	ICV	20:10:38 Mon 19-Jun-06	Sample	
	ICB	20:14:48 Mon 19-Jun-06	Sample	
	ICSA	20:18:58 Mon 19-Jun-06	Sample	
	ICSAB	20:23:05 Mon 19-Jun-06	Sample	
	Rinse	20:31:53 Mon 19-Jun-06	Sample	
6160308	H64F0C	20:36:03 Mon 19-Jun-06	Sample	G6F090000-308 LCS
6160308	H64F0L	20:40:08 Mon 19-Jun-06	Sample	G6F090000-308 LCSD
	Rinse	20:44:16 Mon 19-Jun-06	Sample	
	CCV 1	20:48:28 Mon 19-Jun-06	Sample	
	CCB 1	20:52:39 Mon 19-Jun-06	Sample	
SHORT LIST	CCV 2 > RECAL	20:58:18 Mon 19-Jun-06	Sample	
	CCB 2	21:01:57 Mon 19-Jun-06	Sample	
	CCV 3	21:05:37 Mon 19-Jun-06	Sample	
	CCB 3	21:09:17 Mon 19-Jun-06	Sample	
6160308	H64F0C	21:12:54 Mon 19-Jun-06	Sample	G6F090000-308 LCS
6160308	H64F0L	21:16:29 Mon 19-Jun-06	Sample	G6F090000-308 LCSD
	Rinse	21:20:07 Mon 19-Jun-06	Sample	
6160308	H64F0B	21:23:48 Mon 19-Jun-06	Sample	G6F090000-308 BLK
6160308	H6LT9	21:27:25 Mon 19-Jun-06	Sample	G6F020224-1
6160308	H6LT9P5	21:31:01 Mon 19-Jun-06	Sample	G6F020224-1 5X
6160308	H6LT9Z	21:34:37 Mon 19-Jun-06	Sample	G6F020224-1 PS
	CCV 4	21:38:15 Mon 19-Jun-06	Sample	
	CCB 4	21:41:54 Mon 19-Jun-06	Sample	
	CCV 5	21:45:34 Mon 19-Jun-06	Sample	
	CCB 5	21:49:15 Mon 19-Jun-06	Sample	
6167449	H7K75C	21:52:53 Mon 19-Jun-06	Sample	G6F160000-449 LCS
6167449	H7K75L	21:56:28 Mon 19-Jun-06	Sample	G6F160000-449 LCSD
	Rinse	22:00:07 Mon 19-Jun-06	Sample	
6167449	H7K75B	22:03:48 Mon 19-Jun-06	Sample	G6F160000-449 BLK
6167449	H7KLG	22:07:26 Mon 19-Jun-06	Sample	G6F160208-1
6167449	H7KLGP5	22:11:03 Mon 19-Jun-06	Sample	G6F160208-1 5X
6167449	H7KLGZ	22:14:40 Mon 19-Jun-06	Sample	G6F160208-1 PS
6167449	H7KLK	22:18:17 Mon 19-Jun-06	Sample	G6F160208-2
	CCV 6	22:21:56 Mon 19-Jun-06	Sample	
	CCB 6	22:25:35 Mon 19-Jun-06	Sample	
6167449	H7KLL	22:29:15 Mon 19-Jun-06	Sample	G6F160208-3
6167449	H7KLN	22:32:53 Mon 19-Jun-06	Sample	G6F160208-4
6167449	H7KLP	22:36:32 Mon 19-Jun-06	Sample	G6F160208-5

6167449	H7KLQ	22:40:11 Mon 19-Jun-06	Sample	G6F160208-6
6167449	H7KLT	22:43:50 Mon 19-Jun-06	Sample	G6F160208-7
6167449	H7KLV	22:47:30 Mon 19-Jun-06	Sample	G6F160208-8
6167449	H7KLW	22:51:10 Mon 19-Jun-06	Sample	G6F160208-9
6167449	H7KLX	22:54:51 Mon 19-Jun-06	Sample	G6F160208-10
	CCV 8	22:58:31 Mon 19-Jun-06	Sample	
	CCB 8	23:02:11 Mon 19-Jun-06	Sample	
	CCV 7	23:05:50 Mon 19-Jun-06	Sample	
	CCB 7	23:09:30 Mon 19-Jun-06	Sample	
6167454	H7K8LC	23:13:08 Mon 19-Jun-06	Sample	G6F160000-454 LCS
6167454	H7K8LL	23:16:44 Mon 19-Jun-06	Sample	G6F160000-454 LCSD
	Rinse	23:20:23 Mon 19-Jun-06	Sample	
6167454	H7K8LB	23:24:04 Mon 19-Jun-06	Sample	G6F160000-454 BLK
6167454	H7KL3	23:27:42 Mon 19-Jun-06	Sample	G6F160211-1
6167454	H7KL3P5	23:31:18 Mon 19-Jun-06	Sample	G6F160211-1 5X
6167454	H7KL3X	23:34:53 Mon 19-Jun-06	Sample	G6F160211-1 DU
6167454	H7KL3Z	23:38:30 Mon 19-Jun-06	Sample	G6F160211-1 PS
6167454	H7KL5	23:42:06 Mon 19-Jun-06	Sample	G6F160211-2
6167454	H7KL6	23:45:43 Mon 19-Jun-06	Sample	G6F160211-3
	CCV 9	23:49:21 Mon 19-Jun-06	Sample	
	CCB 9	23:53:01 Mon 19-Jun-06	Sample	
6167454	H7KL7	23:56:40 Mon 19-Jun-06	Sample	G6F160211-4
6167454	H7KL8	00:00:18 Tue 20-Jun-06	Sample	G6F160211-5
6167454	H7KL9	00:03:56 Tue 20-Jun-06	Sample	G6F160211-6
6167454	H7KMA	00:07:34 Tue 20-Jun-06	Sample	G6F160211-7
6167454	H7KME	00:11:13 Tue 20-Jun-06	Sample	G6F160211-9
6167454	H7KMF	00:14:53 Tue 20-Jun-06	Sample	G6F160211-10
6167454	H7KMG	00:18:32 Tue 20-Jun-06	Sample	G6F160211-11
6167454	H7KMH	00:22:12 Tue 20-Jun-06	Sample	G6F160211-12
6167454	H7KMJ	00:25:53 Tue 20-Jun-06	Sample	G6F160211-13
	CCV 10	00:29:33 Tue 20-Jun-06	Sample	
	CCB 10	00:33:13 Tue 20-Jun-06	Sample	
	CCV 11	00:36:52 Tue 20-Jun-06	Sample	
	CCB 11	00:40:32 Tue 20-Jun-06	Sample	
6170283	H7N4VC	00:44:11 Tue 20-Jun-06	Sample	G6F190000-283 LCS
6170283	H7N4VL	00:47:48 Tue 20-Jun-06	Sample	G6F190000-283 LCSD
	Rinse	00:51:27 Tue 20-Jun-06	Sample	
6170283	H7N4VB	00:55:08 Tue 20-Jun-06	Sample	G6F190000-283 BLK
6170283	H7M98	00:58:46 Tue 20-Jun-06	Sample	G6F170193-1
6170283	H7M98P5	01:02:21 Tue 20-Jun-06	Sample	G6F170193-1 5X
6170283	H7M98Z	01:05:57 Tue 20-Jun-06	Sample	G6F170193-1 PS
6170283	H7M99	01:09:32 Tue 20-Jun-06	Sample	G6F170193-2
	CCV 12	01:13:10 Tue 20-Jun-06	Sample	
	CCB 12	01:16:49 Tue 20-Jun-06	Sample	
6170283	H7NAA	01:20:28 Tue 20-Jun-06	Sample	G6F170193-3
6170283	H7NAC	01:24:04 Tue 20-Jun-06	Sample	G6F170193-4
6170283	H7NAD	01:27:40 Tue 20-Jun-06	Sample	G6F170193-5
6170283	H7NAE	01:31:17 Tue 20-Jun-06	Sample	G6F170193-6
6170283	H7NAF	01:34:55 Tue 20-Jun-06	Sample	G6F170193-7
6170283	H7NAG	01:38:33 Tue 20-Jun-06	Sample	G6F170193-8
6170283	H7NAH	01:42:11 Tue 20-Jun-06	Sample	G6F170193-9
6170283	H7NAJ	01:45:50 Tue 20-Jun-06	Sample	G6F170193-10
	CCV 13	01:49:29 Tue 20-Jun-06	Sample	
	CCB 13	01:53:09 Tue 20-Jun-06	Sample	
	CCV 14	01:56:49 Tue 20-Jun-06	Sample	
	CCB 14	02:00:28 Tue 20-Jun-06	Sample	
6170290	H7N46B	02:04:09 Tue 20-Jun-06	Sample	G6F190000-290 BLK
6170290	H7N46C	02:07:49 Tue 20-Jun-06	Sample	G6F190000-290 LCS
6170290	H7N46L	02:11:27 Tue 20-Jun-06	Sample	G6F190000-290 LCSD
6170290	H7NAM	02:15:04 Tue 20-Jun-06	Sample	G6F170194-1

6170290	H7NAMP5	02:18:39 Tue 20-Jun-06	Sample	G6F170194-1 5X
6170290	H7NAMX	02:22:14 Tue 20-Jun-06	Sample	G6F170194-1 DU
6170290	H7NAMZ	02:25:50 Tue 20-Jun-06	Sample	G6F170194-1 PS
6170290	H7NAN	02:29:27 Tue 20-Jun-06	Sample	G6F170194-2
6170290	H7NAP	02:33:04 Tue 20-Jun-06	Sample	G6F170194-3
6170290	H7NAQ	02:36:41 Tue 20-Jun-06	Sample	G6F170194-4
	CCV 15	02:40:19 Tue 20-Jun-06	Sample	
	CCB 15	02:43:59 Tue 20-Jun-06	Sample	
6170290	H7NAR	02:47:37 Tue 20-Jun-06	Sample	G6F170194-5
6170290	H7NAT	02:51:15 Tue 20-Jun-06	Sample	G6F170194-6
6170290	H7NAV	02:54:53 Tue 20-Jun-06	Sample	G6F170194-7
6170290	H7NAW	02:58:32 Tue 20-Jun-06	Sample	G6F170194-8
6170290	H7NAX	03:02:11 Tue 20-Jun-06	Sample	G6F170194-9
6170290	H7NA1	03:05:50 Tue 20-Jun-06	Sample	G6F170194-11
6170290	H7NA2	03:09:30 Tue 20-Jun-06	Sample	G6F170194-12
6170290	H7NA3	03:13:10 Tue 20-Jun-06	Sample	G6F170194-13
6170290	H7KMC	03:16:50 Tue 20-Jun-06	Sample	G6F160211-8
	CCV 16	03:20:30 Tue 20-Jun-06	Sample	
	CCB 16	03:24:10 Tue 20-Jun-06	Sample	
short usf –	CCV 17	03:27:50 Tue 20-Jun-06	Sample	
	CCB 17	03:30:32 Tue 20-Jun-06	Sample	
	CCV 18	03:33:14 Tue 20-Jun-06	Sample	
	CCB 18	03:35:56 Tue 20-Jun-06	Sample	
6170459	H7PHNC	03:38:37 Tue 20-Jun-06	Sample	G6F190000-459 LCS
6170459	H7PHNL	03:41:19 Tue 20-Jun-06	Sample	G6F190000-459 LCSD
6170459	H5HRTS	03:44:00 Tue 20-Jun-06	Sample	G6E160385-2 MS
6170459	H5HRTD	03:46:45 Tue 20-Jun-06	Sample	G6E160385-2 SD
	Rinse	03:49:28 Tue 20-Jun-06	Sample	
6170459	H7PHNB	03:52:12 Tue 20-Jun-06	Sample	G6F190000-459 BLK
	CCV 19	03:54:55 Tue 20-Jun-06	Sample	
	CCB 19	03:57:37 Tue 20-Jun-06	Sample	
6170459	H5HRT	04:00:18 Tue 20-Jun-06	Sample	G6E160385-2
6170459	H5HRTP5	04:02:56 Tue 20-Jun-06	Sample	G6E160385-2 5X
6170459	H5HRR	04:05:35 Tue 20-Jun-06	Sample	G6E160385-1
6170459	H5HRW	04:08:15 Tue 20-Jun-06	Sample	G6E160385-3
6170459	H5HRX	04:10:54 Tue 20-Jun-06	Sample	G6E160385-4
6170459	H5HR0	04:13:34 Tue 20-Jun-06	Sample	G6E160385-5
6170459	H5HR2	04:16:15 Tue 20-Jun-06	Sample	G6E160385-6 – NEED DIL Pb (10x)
6170459	H5HR3	04:18:56 Tue 20-Jun-06	Sample	G6E160385-7
	CCV 20	04:21:37 Tue 20-Jun-06	Sample	
	CCB 20	04:24:20 Tue 20-Jun-06	Sample	

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 06/20/06 12:46:54

File ID: 060619A1 **Analyst:** ionesb

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	H7KLG n.i.	G6F160208-1	6167449	2A	1.0	06/19/06 19:33		☐
2	H7KL3 n.i.	G6F160211-1	6167454	2A	1.0	06/19/06 19:35		☐
3	H7M98 n.i.	G6F170193-1	6170283	2A	1.0	06/19/06 19:38		☐
4	H7NAM n.i.	G6F170194-1	6170290	2A	1.0	06/19/06 19:41		☐
5	H5HRT n.i.	G6E160385-2	6170459	EC	1.0	06/19/06 19:44		☐
6	Rinse 3X				3.0	06/19/06 19:57		☐
7	Blank				1.0	06/19/06 20:02		☐
8	Standard1				1.0	06/19/06 20:06		☐
9	ICV				1.0	06/19/06 20:10		☐
10	ICB				1.0	06/19/06 20:14		☐
11	ICSA				1.0	06/19/06 20:18		☐
12	ICSAB				1.0	06/19/06 20:23		☐
13	Rinse				1.0	06/19/06 20:31		☐
14	H64F0C	G6F090000	6160308	2A	1.0	06/19/06 20:36		☐
15	H64F0L	G6F090000	6160308	2A	1.0	06/19/06 20:40		☐
16	Rinse				1.0	06/19/06 20:44		☐
17	CCV 1				1.0	06/19/06 20:48		☐
18	CCB 1				1.0	06/19/06 20:52		☐
19	CCV 2				1.0	06/19/06 20:58		☐
20	CCB 2				1.0	06/19/06 21:01		☐
23	CCV 3				1.0	06/19/06 21:05		☐
24	CCB 3				1.0	06/19/06 21:09		☐
25	H64F0C	G6F090000	6160308	2A	1.0	06/19/06 21:12		☐
26	H64F0L	G6F090000	6160308	2A	1.0	06/19/06 21:16		☐
27	Rinse				1.0	06/19/06 21:20		☐
28	H64F0B	G6F090000	6160308	2A	1.0	06/19/06 21:23		☐
29	H6LT9	G6F020224-1	6160308	2A	1.0	06/19/06 21:27		☐
30	H6LT9P5	G6F020224	6160308		5.0	06/19/06 21:31		☐
31	H6LT9Z	G6F020224-1	6160308		1.0	06/19/06 21:34		☐
32	CCV 4				1.0	06/19/06 21:38		☐
33	CCB 4				1.0	06/19/06 21:41		☐
34	CCV 5				1.0	06/19/06 21:45		☐
35	CCB 5				1.0	06/19/06 21:49		☐
36	H7K75C	G6F160000	6167449	2A	1.0	06/19/06 21:52		☐
37	H7K75L	G6F160000	6167449	2A	1.0	06/19/06 21:56		☐
38	Rinse				1.0	06/19/06 22:00		☐
39	H7K75B	G6F160000	6167449	2A	1.0	06/19/06 22:03		☐
40	H7KLG	G6F160208-1	6167449	2A	1.0	06/19/06 22:07		☐
41	H7KLGP5	G6F160208	6167449		5.0	06/19/06 22:11		☐
42	H7KLGZ	G6F160208-1	6167449		1.0	06/19/06 22:14		☐
43	H7KLK	G6F160208-2	6167449	2A	1.0	06/19/06 22:18		☐
44	CCV 6				1.0	06/19/06 22:21		☐
45	CCB 6				1.0	06/19/06 22:25		☐
46	H7KLL	G6F160208-3	6167449	2A	1.0	06/19/06 22:29		☐
47	H7KLN	G6F160208-4	6167449	2A	1.0	06/19/06 22:32		☐
48	H7KLP	G6F160208-5	6167449	2A	1.0	06/19/06 22:36		☐

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 06/20/06 12:46:54

File ID: 060619A1 **Analyst: ionesb**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
49	H7KLQ	G6F160208-6	6167449	2A	1.0	06/19/06 22:40		☐
50	H7KLT	G6F160208-7	6167449	2A	1.0	06/19/06 22:43		☐
51	H7KLV	G6F160208-8	6167449	2A	1.0	06/19/06 22:47		☐
52	H7KLW	G6F160208-9	6167449	2A	1.0	06/19/06 22:51		☐
53	H7KLX	G6F160208-10	6167449	2A	1.0	06/19/06 22:54		☐
54	CCV 8				1.0	06/19/06 22:58		☐
55	CCB 8				1.0	06/19/06 23:02		☐
56	CCV 7				1.0	06/19/06 23:05		☐
57	CCB 7				1.0	06/19/06 23:09		☐
58	H7K8LC	G6F160000	6167454	2A	1.0	06/19/06 23:13		☐
59	H7K8LL	G6F160000	6167454	2A	1.0	06/19/06 23:16		☐
60	Rinse				1.0	06/19/06 23:20		☐
61	H7K8LB	G6F160000	6167454	2A	1.0	06/19/06 23:24		☐
62	H7KL3	G6F160211-1	6167454	2A	1.0	06/19/06 23:27		☐
63	H7KL3P5	G6F160211	6167454		5.0	06/19/06 23:31		☐
64	H7KL3X	G6F160211-1	6167454	2A	1.0	06/19/06 23:34		☐
65	H7KL3Z	G6F160211-1	6167454		1.0	06/19/06 23:38		☐
66	H7KL5	G6F160211-2	6167454	2A	1.0	06/19/06 23:42		☐
67	H7KL6	G6F160211-3	6167454	2A	1.0	06/19/06 23:45		☐
68	CCV 9				1.0	06/19/06 23:49		☐
69	CCB 9				1.0	06/19/06 23:53		☐
70	H7KL7	G6F160211-4	6167454	2A	1.0	06/19/06 23:56		☐
71	H7KL8	G6F160211-5	6167454	2A	1.0	06/20/06 00:00		☐
72	H7KL9	G6F160211-6	6167454	2A	1.0	06/20/06 00:03		☐
73	H7KMA	G6F160211-7	6167454	2A	1.0	06/20/06 00:07		☐
74	H7KME	G6F160211-9	6167454	2A	1.0	06/20/06 00:11		☐
75	H7KMF	G6F160211-10	6167454	2A	1.0	06/20/06 00:14		☐
76	H7KMG	G6F160211-11	6167454	2A	1.0	06/20/06 00:18		☐
77	H7KMH	G6F160211-12	6167454	2A	1.0	06/20/06 00:22		☐
78	H7KMJ	G6F160211-13	6167454	2A	1.0	06/20/06 00:25		☐
79	CCV 10				1.0	06/20/06 00:29		☐
80	CCB 10				1.0	06/20/06 00:33		☐
81	CCV 11				1.0	06/20/06 00:36		☐
82	CCB 11				1.0	06/20/06 00:40		☐
83	H7N4VC	G6F190000	6170283	2A	1.0	06/20/06 00:44		☐
84	H7N4VL	G6F190000	6170283	2A	1.0	06/20/06 00:47		☐
85	Rinse				1.0	06/20/06 00:51		☐
86	H7N4VB	G6F190000	6170283	2A	1.0	06/20/06 00:55		☐
87	H7M98	G6F170193-1	6170283	2A	1.0	06/20/06 00:58		☐
88	H7M98P5	G6F170193	6170283		5.0	06/20/06 01:02		☐
89	H7M98Z	G6F170193-1	6170283		1.0	06/20/06 01:05		☐
90	H7M99	G6F170193-2	6170283	2A	1.0	06/20/06 01:09		☐
91	CCV 12				1.0	06/20/06 01:13		☐
92	CCB 12				1.0	06/20/06 01:16		☐
93	H7NAA	G6F170193-3	6170283	2A	1.0	06/20/06 01:20		☐
94	H7NAC	G6F170193-4	6170283	2A	1.0	06/20/06 01:24		☐

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 06/20/06 12:46:54

File ID: 060619A1 **Analyst:** jonesb

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
95	H7NAD	G6F170193-5	6170283	2A	1.0	06/20/06 01:27		☐
96	H7NAE	G6F170193-6	6170283	2A	1.0	06/20/06 01:31		☐
97	H7NAF	G6F170193-7	6170283	2A	1.0	06/20/06 01:34		☐
98	H7NAG	G6F170193-8	6170283	2A	1.0	06/20/06 01:38		☐
99	H7NAH	G6F170193-9	6170283	2A	1.0	06/20/06 01:42		☐
100	H7NAJ	G6F170193-10	6170283	2A	1.0	06/20/06 01:45		☐
101	CCV 13				1.0	06/20/06 01:49		☐
102	CCB 13				1.0	06/20/06 01:53		☐
103	CCV 14				1.0	06/20/06 01:56		☐
104	CCB 14				1.0	06/20/06 02:00		☐
105	H7N46B	G6F190000	6170290	2A	1.0	06/20/06 02:04		☐
106	H7N46C	G6F190000	6170290	2A	1.0	06/20/06 02:07		☐
107	H7N46L	G6F190000	6170290	2A	1.0	06/20/06 02:11		☐
108	H7NAM	G6F170194-1	6170290	2A	1.0	06/20/06 02:15		☐
109	H7NAMP5	G6F170194	6170290		5.0	06/20/06 02:18		☐
110	H7NAMX	G6F170194-1	6170290	2A	1.0	06/20/06 02:22		☐
111	H7NAMZ	G6F170194-1	6170290		1.0	06/20/06 02:25		☐
112	H7NAN	G6F170194-2	6170290	2A	1.0	06/20/06 02:29		☐
113	H7NAP	G6F170194-3	6170290	2A	1.0	06/20/06 02:33		☐
114	H7NAQ	G6F170194-4	6170290	2A	1.0	06/20/06 02:36		☐
115	CCV 15				1.0	06/20/06 02:40		☐
116	CCB 15				1.0	06/20/06 02:43		☐
117	H7NAR	G6F170194-5	6170290	2A	1.0	06/20/06 02:47		☐
118	H7NAT	G6F170194-6	6170290	2A	1.0	06/20/06 02:51		☐
119	H7NAV	G6F170194-7	6170290	2A	1.0	06/20/06 02:54		☐
120	H7NAW	G6F170194-8	6170290	2A	1.0	06/20/06 02:58		☐
121	H7NAX	G6F170194-9	6170290	2A	1.0	06/20/06 03:02		☐
122	H7NA1	G6F170194-11	6170290	2A	1.0	06/20/06 03:05		☐
123	H7NA2	G6F170194-12	6170290	2A	1.0	06/20/06 03:09		☐
124	H7NA3	G6F170194-13	6170290	2A	1.0	06/20/06 03:13		☐
125	H7KMC	G6F160211-8	6170290	2A	1.0	06/20/06 03:16		☐
126	CCV 16				1.0	06/20/06 03:20		☐
127	CCB 16				1.0	06/20/06 03:24		☐
128	CCV 17				1.0	06/20/06 03:27		☐
129	CCB 17				1.0	06/20/06 03:30		☐
130	CCV 18				1.0	06/20/06 03:33		☐
131	CCB 18				1.0	06/20/06 03:35		☐
132	H7PHNC	G6F190000	6170459	EC	1.0	06/20/06 03:38		☐
133	H7PHNL	G6F190000	6170459	EC	1.0	06/20/06 03:41		☐
134	H5HRTS	G6E160385-2	6170459	EC	1.0	06/20/06 03:44		☐
135	H5HRTD	G6E160385-2	6170459	EC	1.0	06/20/06 03:46		☐
136	Rinse				1.0	06/20/06 03:49		☐
137	H7PHNB	G6F190000	6170459	EC	1.0	06/20/06 03:52		☐
138	CCV 19				1.0	06/20/06 03:54		☐
139	CCB 19				1.0	06/20/06 03:57		☐
140	H5HRT	G6E160385-2	6170459	EC	1.0	06/20/06 04:00		☐

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 06/20/06 12:46:54

File ID: **060619A1** **Analyst: jonesb**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
141	H5HRTP5	G6E160385	6170459		5.0	06/20/06 04:02		☐
142	H5HRR	G6E160385-1	6170459	EC	1.0	06/20/06 04:05		☐
143	H5HRW	G6E160385-3	6170459	EC	1.0	06/20/06 04:08		☐
144	H5HRX	G6E160385-4	6170459	EC	1.0	06/20/06 04:10		☐
145	H5HR0	G6E160385-5	6170459	EC	1.0	06/20/06 04:13		☐
146	H5HR2	G6E160385-6	6170459	EC	1.0	06/20/06 04:16		☐
147	H5HR3	G6E160385-7	6170459	EC	1.0	06/20/06 04:18		☐
148	CCV 20				1.0	06/20/06 04:21		☐
149	CCB 20				1.0	06/20/06 04:24		☐

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 06/20/06 12:46:54

File ID: 060619A1 **Analyst: ionesb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	H7KLG n.i.	06/19/06 19:33	0.0	0.1	0.0	0.0	☐
2	H7KL3 n.i.	06/19/06 19:35	0.2	0.1	0.1	0.1	☐
3	H7M98 n.i.	06/19/06 19:38	0.1	0.0	0.0	0.0	☐
4	H7NAM n.i.	06/19/06 19:41	0.2	0.1	0.1	0.1	☐
5	H5HRT n.i.	06/19/06 19:44	0.1	0.6	0.1	0.1	☐
6	Rinse 3X	06/19/06 19:57	101.1	100.6	99.1	101.1	☐
7	Blank	06/19/06 20:02	100.0	100.0	100.0	100.0	☑
8	Standard1	06/19/06 20:06	97.3	95.9	100.4	99.0	☑
9	ICV	06/19/06 20:10	98.6	96.8	103.1	98.4	☑
10	ICB	06/19/06 20:14	97.3	97.2	101.7	98.6	☑
11	ICSA	06/19/06 20:18	80.8	80.4	81.2	80.5	☑
12	ICSAB	06/19/06 20:23	79.6	78.6	80.6	80.4	☑
13	Rinse	06/19/06 20:31	94.8	92.2	103.8	97.2	☑
14	H64F0C	06/19/06 20:36	94.7	93.5	107.0	100.7	☑
15	H64F0L	06/19/06 20:40	93.3	92.5	108.6	101.7	☑
16	Rinse	06/19/06 20:44	93.2	91.0	107.5	98.5	☑
17	CCV 1	06/19/06 20:48	92.3	88.7	105.3	96.1	☑
18	CCB 1	06/19/06 20:52	93.4	90.3	105.4	97.7	☑
19	CCV 2	06/19/06 20:58	92.6	89.0	105.4	98.1	☑
20	CCB 2	06/19/06 21:01	93.1	89.8	104.2	98.6	☑
23	CCV 3	06/19/06 21:05	98.4	97.1	99.2	96.4	☑
24	CCB 3	06/19/06 21:09	99.3	99.5	99.4	100.4	☑
25	H64F0C	06/19/06 21:12	97.9	99.2	102.0	102.3	☑
26	H64F0L	06/19/06 21:16	96.1	98.2	100.6	101.3	☑
27	Rinse	06/19/06 21:20	96.9	97.6	101.1	99.7	☑
28	H64F0B	06/19/06 21:23	98.3	100.1	100.7	103.4	☑
29	H6LT9	06/19/06 21:27	98.8	98.8	101.1	102.9	☑
30	H6LT9P5	06/19/06 21:31	98.1	97.7	101.0	101.0	☐
31	H6LT9Z	06/19/06 21:34	96.8	97.5	100.3	102.3	☑
32	CCV 4	06/19/06 21:38	95.4	95.4	98.2	98.6	☑
33	CCB 4	06/19/06 21:41	96.6	97.6	99.8	100.5	☑
34	CCV 5	06/19/06 21:45	96.0	96.0	99.2	100.1	☑
35	CCB 5	06/19/06 21:49	96.9	96.6	99.4	99.6	☑
36	H7K75C	06/19/06 21:52	96.5	97.6	100.8	102.2	☑
37	H7K75L	06/19/06 21:56	95.0	96.6	100.8	102.4	☑
38	Rinse	06/19/06 22:00	95.9	96.3	99.8	103.7	☑
39	H7K75B	06/19/06 22:03	96.3	99.1	100.3	104.8	☑
40	H7KLG	06/19/06 22:07	96.0	99.3	99.8	104.4	☑
41	H7KLGP5	06/19/06 22:11	96.0	96.5	100.8	101.3	☐
42	H7KLGZ	06/19/06 22:14	94.5	96.2	100.1	101.7	☑
43	H7KLK	06/19/06 22:18	95.5	98.0	99.5	104.2	☑
44	CCV 6	06/19/06 22:21	94.7	94.8	99.3	99.7	☑
45	CCB 6	06/19/06 22:25	96.2	96.5	100.1	101.0	☑
46	H7KLL	06/19/06 22:29	96.9	98.6	100.2	104.0	☑
47	H7KLN	06/19/06 22:32	96.6	99.8	100.1	103.8	☑
48	H7KLP	06/19/06 22:36	97.4	98.1	100.4	103.9	☑

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 06/20/06 12:46:54

File ID: 060619A1 **Analyst:** ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
49	H7KLQ	06/19/06 22:40	96.3	98.9	99.5	104.8	☑
50	H7KLT	06/19/06 22:43	97.0	98.8	100.4	103.8	☑
51	H7KLV	06/19/06 22:47	97.3	99.4	100.0	104.2	☑
52	H7KLW	06/19/06 22:51	97.4	99.6	100.6	104.5	☑
53	H7KLX	06/19/06 22:54	97.4	100.3	101.1	104.1	☑
54	CCV 8	06/19/06 22:58	95.7	96.0	99.8	100.6	☑
55	CCB 8	06/19/06 23:02	96.4	97.6	100.4	101.3	☑
56	CCV 7	06/19/06 23:05	95.0	95.2	99.2	100.9	☑
57	CCB 7	06/19/06 23:09	96.2	96.0	99.9	101.0	☑
58	H7K8LC	06/19/06 23:13	95.0	97.4	101.4	103.9	☑
59	H7K8LL	06/19/06 23:16	92.9	95.5	99.4	102.9	☑
60	Rinse	06/19/06 23:20	93.5	94.9	99.1	100.4	☑
61	H7K8LB	06/19/06 23:24	94.4	97.2	100.1	105.2	☑
62	H7KL3	06/19/06 23:27	95.4	96.9	98.8	103.5	☑
63	H7KL3P5	06/19/06 23:31	96.0	96.7	99.2	103.0	☐
64	H7KL3X	06/19/06 23:34	95.9	97.3	97.1	103.2	☑
65	H7KL3Z	06/19/06 23:38	93.4	96.0	96.5	102.0	☑
66	H7KL5	06/19/06 23:42	94.0	96.6	95.4	101.6	☑
67	H7KL6	06/19/06 23:45	94.8	95.6	96.8	102.6	☑
68	CCV 9	06/19/06 23:49	93.8	94.7	96.5	100.0	☑
69	CCB 9	06/19/06 23:53	95.2	96.4	97.8	100.9	☑
70	H7KL7	06/19/06 23:56	95.9	96.7	96.5	103.8	☑
71	H7KL8	06/20/06 00:00	96.0	97.2	95.9	102.9	☑
72	H7KL9	06/20/06 00:03	96.4	97.1	95.8	103.2	☑
73	H7KMA	06/20/06 00:07	96.3	97.7	96.6	103.0	☑
74	H7KME	06/20/06 00:11	96.5	97.0	96.8	104.0	☑
75	H7KMF	06/20/06 00:14	96.4	97.1	96.9	103.6	☑
76	H7KMG	06/20/06 00:18	96.1	96.9	97.1	102.9	☑
77	H7KMH	06/20/06 00:22	96.4	96.8	95.5	101.4	☑
78	H7KMJ	06/20/06 00:25	96.5	97.2	96.5	101.3	☑
79	CCV 10	06/20/06 00:29	94.4	93.7	96.6	100.0	☑
80	CCB 10	06/20/06 00:33	95.5	95.3	97.7	100.0	☑
81	CCV 11	06/20/06 00:36	93.7	93.1	98.0	99.1	☑
82	CCB 11	06/20/06 00:40	94.1	93.9	96.9	98.7	☑
83	H7N4VC	06/20/06 00:44	93.6	94.0	100.1	101.5	☑
84	H7N4VL	06/20/06 00:47	92.2	93.9	98.3	102.2	☑
85	Rinse	06/20/06 00:51	92.8	92.9	98.1	98.6	☑
86	H7N4VB	06/20/06 00:55	94.5	96.4	99.0	103.3	☑
87	H7M98	06/20/06 00:58	94.0	96.3	99.0	104.3	☑
88	H7M98P5	06/20/06 01:02	94.2	96.0	100.2	102.6	☐
89	H7M98Z	06/20/06 01:05	92.9	95.9	98.9	102.0	☑
90	H7M99	06/20/06 01:09	93.3	96.2	98.4	104.1	☑
91	CCV 12	06/20/06 01:13	92.8	92.5	98.2	99.1	☑
92	CCB 12	06/20/06 01:16	94.4	94.1	98.9	101.3	☑
93	H7NAA	06/20/06 01:20	95.9	97.4	100.2	104.7	☑
94	H7NAC	06/20/06 01:24	95.3	97.7	99.9	103.8	☑

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 06/20/06 12:46:54

File ID: **060619A1** **Analyst: ionesb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
95	H7NAD	06/20/06 01:27	94.6	96.7	100.2	103.0	☑
96	H7NAE	06/20/06 01:31	94.9	96.6	99.5	102.5	☑
97	H7NAF	06/20/06 01:34	95.7	97.0	99.1	103.1	☑
98	H7NAG	06/20/06 01:38	95.6	98.2	100.4	102.5	☑
99	H7NAH	06/20/06 01:42	96.0	97.7	99.6	104.2	☑
100	H7NAJ	06/20/06 01:45	96.3	97.1	100.5	103.5	☑
101	CCV 13	06/20/06 01:49	94.4	93.5	99.5	100.3	☑
102	CCB 13	06/20/06 01:53	94.8	94.7	98.9	101.3	☑
103	CCV 14	06/20/06 01:56	93.9	92.9	99.8	99.2	☑
104	CCB 14	06/20/06 02:00	95.3	95.4	99.0	101.2	☑
105	H7N46B	06/20/06 02:04	95.4	96.9	99.5	102.5	☑
106	H7N46C	06/20/06 02:07	93.5	94.6	100.6	102.3	☑
107	H7N46L	06/20/06 02:11	92.4	94.2	100.4	103.5	☑
108	H7NAM	06/20/06 02:15	93.3	94.9	97.9	101.1	☑
109	H7NAMP5	06/20/06 02:18	94.6	94.3	98.4	100.4	☐
110	H7NAMX	06/20/06 02:22	94.3	95.0	97.1	99.8	☑
111	H7NAMZ	06/20/06 02:25	91.8	93.8	98.0	99.5	☑
112	H7NAN	06/20/06 02:29	92.8	94.4	95.5	99.9	☑
113	H7NAP	06/20/06 02:33	93.3	95.3	96.5	99.4	☑
114	H7NAQ	06/20/06 02:36	93.4	95.1	95.2	99.4	☑
115	CCV 15	06/20/06 02:40	92.9	92.0	97.5	98.7	☑
116	CCB 15	06/20/06 02:43	94.4	95.0	99.0	99.6	☑
117	H7NAR	06/20/06 02:47	93.9	94.6	96.0	99.9	☑
118	H7NAT	06/20/06 02:51	94.5	96.3	96.3	100.4	☑
119	H7NAV	06/20/06 02:54	94.5	96.0	98.1	102.1	☑
120	H7NAW	06/20/06 02:58	95.1	96.0	97.5	101.5	☑
121	H7NAX	06/20/06 03:02	95.4	96.5	98.1	101.1	☑
122	H7NA1	06/20/06 03:05	94.8	96.7	97.3	101.0	☑
123	H7NA2	06/20/06 03:09	95.4	96.4	97.8	101.5	☑
124	H7NA3	06/20/06 03:13	95.7	95.4	98.9	101.3	☑
125	H7KMC	06/20/06 03:16	94.8	96.0	97.7	102.1	☑
126	CCV 16	06/20/06 03:20	93.0	92.8	97.7	99.3	☑
127	CCB 16	06/20/06 03:24	94.1	93.7	98.2	99.8	☑
128	CCV 17	06/20/06 03:27				99.6	☑
129	CCB 17	06/20/06 03:30				99.5	☑
130	CCV 18	06/20/06 03:33				99.7	☑
131	CCB 18	06/20/06 03:35				100.3	☑
132	H7PHNC	06/20/06 03:38				105.2	☑
133	H7PHNL	06/20/06 03:41				105.6	☑
134	H5HRTS	06/20/06 03:44				103.0	☑
135	H5HRTD	06/20/06 03:46				102.5	☑
136	Rinse	06/20/06 03:49				101.0	☑
137	H7PHNB	06/20/06 03:52				104.9	☑
138	CCV 19	06/20/06 03:54				98.6	☑
139	CCB 19	06/20/06 03:57				100.9	☑
140	H5HRT	06/20/06 04:00				103.1	☑

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 06/20/06 12:46:54

File ID: **060619A1** **Analyst: ionesb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
141	H5HRTP5	06/20/06 04:02				99.9	☐
142	H5HRR	06/20/06 04:05				103.7	☑
143	H5HRW	06/20/06 04:08				101.3	☑
144	H5HRX	06/20/06 04:10				102.4	☑
145	H5HR0	06/20/06 04:13				99.8	☑
146	H5HR2	06/20/06 04:16				96.2	☑
147	H5HR3	06/20/06 04:18				101.5	☑
148	CCV 20	06/20/06 04:21				99.2	☑
149	CCB 20	06/20/06 04:24				100.9	☑

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

File Name: 6160308R.mth
File Path: C:\elandata\Method\6160308R.mth

Timing Parameters

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

Analyte	Mass	Scan Mode	MCA Channels	Dwell Time	Integration Time
Sc	44.956	Peak Hopping	1	14.0 ms	700 ms
Li-1	6.015	Peak Hopping	1	14.0 ms	700 ms
Be	9.012	Peak Hopping	1	14.0 ms	700 ms
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
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
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
Kr	82.914	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
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	- 0.00307 * 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			
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			
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				

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	
207.97	207.977	Linear Thru Zero	ug/L	ug/L	100
Pb	206.976	Linear Thru Zero	ug/L	ug/L	100
Pb	205.975	Linear Thru Zero	ug/L	ug/L	100
Tm	168.934	Linear Thru Zero	ug/L	ug/L	
Pd	105.903	Linear Thru Zero	ug/L	ug/L	100
Kr	82.914	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: 2532-67B

Internal standard: 2532-68A

Blank, CCBs: 2531-23E

Standard 1, CCVs: 2532-68C

ICV: 2532-63D

ICSA: 2532-67D

ICSAB: 2532-67E

File Number: **060619A1**

Instrument Tuning Report - Elan 6000

File Name: default.tun

Sample Information

Sample Date/Time: Monday, June 19, 2006 15:14:08
Sample ID: TUNE BJONES

Analyte	Exact Mass	Meas. Mass	Mass DAC	Meas. Pk. Width	Res. DAC	Custom Res.
Li	7.016	7.027	1552	0.745	2037	
Be	9.012	8.978	2042	0.745	2025	
Co	58.933	58.979	14296	0.724	1900	
In	114.904	114.928	27949	0.727	1864	
Ce	139.905	139.928	34032	0.726	1908	
Tl	204.975	204.979	49744	0.726	2129	
Pb	207.977	207.978	50452	0.707	2146	
U	238.050	238.026	57681	0.698	2308	

Elan 6000 Instrument Optomization Report

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

Sample Information

Sample Date/Time: Monday, June 19, 2006 15:14:08
Sample ID: TUNE BJONES

Parameter Settings

Nebulizer Gas Flow	0.9
Lens Voltage	5.8
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

AutoLens Calibration

Date:	15:16:37 Mon 19-Jun-06
Sample Filename:	AUTOLENS BJONES.002
Dataset Pathname:	060619A1\
Lens Voltage Start:	4.00 V
Lens Voltage End:	7.00 V
Lens Voltage Step:	0.25 V
Slope:	0.0117
Intercept:	5.2007

Analyte	Mass	Optimum Voltage	Maximum Intensity	# Points
Be	9.012	5.3 V	4975 cps	13
Co	58.933	6.0 V	264478 cps	13
In	114.904	6.5 V	472838 cps	13

Dual Detector Calibration

Date:	17:12:38 Thu 08-Jun-06
Sample Filename:	DUAL BJONES.752
Dataset Pathname:	c:\elandata\Dataset\dual detector calibration\
Points Acquired:	37
Lens Voltage Start:	-3.00 V
Lens Voltage End:	15.00 V
Lens Voltage Step:	0.50 V

Analyte	Mass	Gain	N(max)
Li	6.016	6887	1.82e+009 cps
Li	7.016	6412	1.95e+009 cps
Be	9.012	5988	2.09e+009 cps
B	11.009	6315	1.98e+009 cps
Na	22.990	6283	1.99e+009 cps

Mg	23.985	5880 2.13e+009 cps
Mg	24.988	5606 2.23e+009 cps
Al	26.982	5476 2.29e+009 cps
P	30.995	5126 2.44e+009 cps
K	38.963	4982 2.51e+009 cps
Ca	42.959	4696 2.67e+009 cps
Ca	43.954	4905 2.55e+009 cps
Sc	44.957	4947 2.53e+009 cps
V	50.944	4866 2.57e+009 cps
Cr	51.943	4614 2.71e+009 cps
Fe	53.941	4573 2.74e+009 cps
Mn	54.940	4563 2.74e+009 cps
Fe	56.934	4410 2.84e+009 cps
Co	58.934	4308 2.91e+009 cps
Ni	59.934	4293 2.92e+009 cps
Cu	62.932	4198 2.98e+009 cps
Cu	64.927	4165 3.01e+009 cps
Zn	67.925	4247 2.95e+009 cps
Ge	71.922	4284 2.92e+009 cps
As	74.921	4219 2.97e+009 cps
Se	77.919	4286 2.92e+009 cps
Br	78.918	cps
Se	81.917	4161 3.01e+009 cps
Sr	87.905	4250 2.95e+009 cps
Mo	96.908	4211 2.97e+009 cps
Ag	106.906	3791 3.30e+009 cps
Ag	108.905	3773 3.32e+009 cps
Cd	110.904	3972 3.15e+009 cps
Cd	113.902	3951 3.17e+009 cps
In	114.903	3899 3.21e+009 cps
Sn	117.902	4019 3.11e+009 cps
Sb	120.902	3915 3.20e+009 cps
Ba	134.906	3868 3.24e+009 cps
Tm	168.932	3723 3.36e+009 cps
Tl	204.973	3584 3.49e+009 cps
Pb	207.979	3499 3.58e+009 cps
Bi	208.979	3544 3.53e+009 cps
U	238.050	3577 3.50e+009 cps

Daily Performance Report - Elan 6000

Sample ID: DAILY BJONES
Sample Date/Time: Monday, June 19, 2006 15:20:48
Sample Description:
Sample File: C:\elandata\Sample\6160308X.sam
Method File: C:\elandata\Method\000-DAILY_EPA.mth
Dataset File: C:\elandata\Dataset\060619A1\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	81828.158	1320.758	1.614
	Rh	103	332667.821	1755.510	0.528
	Pb	208	156052.436	1766.071	1.132
⌈>	Ba	138	319142.827	1503.250	0.471
⌊	Ba++	69	0.034	0.000	0.835
⌈>	Ce	140	387327.525	2390.494	0.617
⌊	CeO	156	0.029	0.000	1.278
	Bkgd	220	8.857	4.333	48.922
	Li	7	15602.303	149.893	0.961
	Be	9	4517.959	61.567	1.363
	Co	59	234641.516	650.005	0.277
	In	115	455836.284	6130.364	1.345
	Tl	205	226443.874	1491.722	0.659

Sample ID: H7KLG n.i.
Sample Description: G6F160208-1 N.I.
Batch ID: 6167449
Sample Date/Time: Monday, June 19, 2006 19:33:06
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: c:\elandata\dataset\060619a1\H7KLG 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			292.861	ug/L	444451.177
45	Sc			10015.444	ug/L	0.000
69	Ga			1439.131	ug/L	0.000
72	Ge			892.889	ug/L	983199.837
89	Y			145.239	ug/L	0.000
103	Rh			12.381	ug/L	0.000
115	In			1684.871	ug/L	1047518.950
133	Cs			25.714	ug/L	0.000
165	Ho			7.619	ug/L	0.000
169	Tm			397.625	ug/L	617632.929
209	Bi			383.339	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	110.588
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	105.963
Ho	165	
Tm	169	
Bi	209	

Sample ID: H7KL3 n.i.
Sample Description: G6F160211-1 N.I.
Batch ID: 6167454
Sample Date/Time: Monday, June 19, 2006 19:35:52
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: c:\elandata\dataset\060619a1\H7KL3 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			561.917	ug/L	444451.177
45	Sc			29874.706	ug/L	0.000
69	Ga			62454.690	ug/L	0.000
72	Ge			4320.747	ug/L	983199.837
89	Y			59997.002	ug/L	0.000
103	Rh			391.435	ug/L	0.000
115	In			1420.036	ug/L	1047518.950
133	Cs			6909.529	ug/L	0.000
165	Ho			2040.643	ug/L	0.000
169	Tm			902.890	ug/L	617632.929
209	Bi			15145.363	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	110.588
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	105.963
Ho	165	
Tm	169	
Bi	209	

Sample ID: H7M98 n.i.
Sample Description: G6F170193-1 N.I.
Batch ID: 6170283
Sample Date/Time: Monday, June 19, 2006 19:38:38
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: c:\elandata\dataset\060619a1\H7M98 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			306.194	ug/L	444451.177
45	Sc			9181.467	ug/L	0.000
69	Ga			1477.230	ug/L	0.000
72	Ge			927.177	ug/L	983199.837
89	Y			198.097	ug/L	0.000
103	Rh			14.762	ug/L	0.000
115	In			863.285	ug/L	1047518.950
133	Cs			47.619	ug/L	0.000
165	Ho			12.381	ug/L	0.000
169	Tm			228.097	ug/L	617632.929
209	Bi			315.242	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	110.588
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	105.963
Ho	165	
Tm	169	
Bi	209	

Sample ID: H7NAM n.i.
Sample Description: G6F170194-1 N.I.
Batch ID: 6170290
Sample Date/Time: Monday, June 19, 2006 19:41:25
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: c:\elandata\dataset\060619a1\H7NAM 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			394.292	ug/L	444451.177
45	Sc			27713.107	ug/L	0.000
69	Ga			37614.128	ug/L	0.000
72	Ge			3919.186	ug/L	983199.837
89	Y			42148.100	ug/L	0.000
103	Rh			405.721	ug/L	0.000
115	In			964.661	ug/L	1047518.950
133	Cs			5685.102	ug/L	0.000
165	Ho			1495.804	ug/L	0.000
169	Tm			654.303	ug/L	617632.929
209	Bi			7095.347	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	110.588
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	105.963
Ho	165	
Tm	169	
Bi	209	

Sample ID: H5HRT n.i.
Sample Description: G6E160385-2 N.I.
Batch ID: 6170459
Sample Date/Time: Monday, June 19, 2006 19:44:12
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: c:\elandata\dataset\060619a1\H5HRT 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			478.581	ug/L	444451.177
45	Sc			25764.145	ug/L	0.000
69	Ga			8040060.248	ug/L	0.000
72	Ge			1789.652	ug/L	983199.837
89	Y			32422.951	ug/L	0.000
103	Rh			1661.539	ug/L	0.000
115	In			10120.460	ug/L	1047518.950
133	Cs			3997.306	ug/L	0.000
165	Ho			958.132	ug/L	0.000
169	Tm			773.833	ug/L	617632.929
209	Bi			24317.923	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	110.588
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	105.963
Ho	165	
Tm	169	
Bi	209	

Sample ID: Rinse 3X
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 19:57:44
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\Rinse 3X.009
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1965975.699	ug/L	1978844.982
>	6	Li-1			544206.801	ug/L	548895.059
	9	Be	-0.008575	38.474	1.000	ug/L	3.667
	44	Ca	0.325695	78.115	29156.163	ug/L	28700.328
	51	V	-0.065740	425.722	-58173.939	ug/L	-56592.512
	52	Cr	-0.004495	984.202	53095.299	ug/L	52592.918
	55	Mn	0.000034	6135.451	3140.897	ug/L	3107.218
	59	Co	-0.000106	651.730	103.667	ug/L	104.334
	60	Ni	0.000343	1272.982	136.978	ug/L	134.341
	65	Cu	-0.010574	6.984	99.536	ug/L	136.637
	68	Zn	0.315547	7.420	5383.989	ug/L	4932.724
	75	As	0.223912	191.167	22032.058	ug/L	21187.501
	82	Se	0.080585	174.803	1470.864	ug/L	1433.596
	97	Mo	0.002457	51.249	28.000	ug/L	22.333
>	72	Ge-1			1318197.477	ug/L	1304342.049
	107	Ag	-0.000062	844.631	54.667	ug/L	55.000
	111	Cd	-0.000246	255.395	11.234	ug/L	11.777
	121	Sb	-0.000834	85.613	154.001	ug/L	159.668
	135	Ba	0.001488	569.347	242.337	ug/L	237.670
>	115	In-1			1290103.775	ug/L	1281989.760
	208	Pb	0.008042	49.495	1527.051	ug/L	1345.373
>	169	Tm-1			690430.431	ug/L	682669.081
	50	Cr	-0.007127	421.071	-1314.598	ug/L	-1299.168
	53	Cr	1.419058	138.524	218215.373	ug/L	214060.235
	61	Ni	-0.644970	83.026	2699.499	ug/L	2709.507
	63	Cu	-0.010049	25.275	77.334	ug/L	104.335
	67	Zn	1.756224	64.084	2830.283	ug/L	2603.418
	66	Zn	0.238640	33.230	2557.046	ug/L	2372.567
	76	Se	-2.157520	1048.794	-175201.776	ug/L	-173216.502
	77	Se	-2.014582	95.929	24066.485	ug/L	24161.997
	78	Se	-0.224410	94.878	25750.819	ug/L	25626.301
	79	Br	202.655679	111.594	54476.574	ug/L	52281.816
>	72	Ge			1318197.477	ug/L	1304342.049
	108	Cd	-0.001325	514.860	2.014	ug/L	2.224
	114	Cd	0.000044	3966.826	24.076	ug/L	23.723

	109 Ag	-0.000720	164.492	18.667	ug/L	21.333
>	115 In			1290103.775	ug/L	1281989.760
	208 207.977	0.008291	55.945	779.035	ug/L	684.027
	207 Pb	0.010162	68.251	342.340	ug/L	294.672
	206 Pb	0.005992	54.867	405.676	ug/L	366.674
>	169 Tm			690430.431	ug/L	682669.081
	106 Pd	-0.006485	86.603	6.333	ug/L	7.667
	83 Kr	42.143004	149.805	1438.083	ug/L	1457.752

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	99.146
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	101.062
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.633
	Pb	208	
>	Tm-1	169	101.137
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.062
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.633
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	101.137
	Pd	106	
	Kr	83	

Sample ID: Blank
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 20:02:11
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\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			1978844.982	ug/L	
>	6	Li-1			548895.059	ug/L	
	9	Be			3.667	ug/L	
	44	Ca			28700.328	ug/L	
	51	V			-56592.512	ug/L	
	52	Cr			52592.918	ug/L	
	55	Mn			3107.218	ug/L	
	59	Co			104.334	ug/L	
	60	Ni			134.341	ug/L	
	65	Cu			136.637	ug/L	
	68	Zn			4932.724	ug/L	
	75	As			21187.501	ug/L	
	82	Se			1433.596	ug/L	
	97	Mo			22.333	ug/L	
>	72	Ge-1			1304342.049	ug/L	
	107	Ag			55.000	ug/L	
	111	Cd			11.777	ug/L	
	121	Sb			159.668	ug/L	
	135	Ba			237.670	ug/L	
>	115	In-1			1281989.760	ug/L	
	208	Pb			1345.373	ug/L	
>	169	Tm-1			682669.081	ug/L	
	50	Cr			-1299.168	ug/L	
	53	Cr			214060.235	ug/L	
	61	Ni			2709.507	ug/L	
	63	Cu			104.335	ug/L	
	67	Zn			2603.418	ug/L	
	66	Zn			2372.567	ug/L	
	76	Se			-173216.502	ug/L	
	77	Se			24161.997	ug/L	
	78	Se			25626.301	ug/L	
	79	Br			52281.816	ug/L	
>	72	Ge			1304342.049	ug/L	
	108	Cd			2.224	ug/L	
	114	Cd			23.723	ug/L	

	109 Ag	21.333	ug/L
>	115 In	1281989.760	ug/L
	208 207.977	684.027	ug/L
	207 Pb	294.672	ug/L
	206 Pb	366.674	ug/L
>	169 Tm	682669.081	ug/L
	106 Pd	7.667	ug/L
	83 Kr	1457.752	ug/L

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	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	
	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	
	Kr	83	

Sample ID: Standard 1
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 20:06:32
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\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			1910973.188	ug/L	1978844.982
>	6	Li-1			551238.255	ug/L	548895.059
	9	Be	100.000000	1.440	31079.101	ug/L	3.667
	44	Ca	5100.000000	2.090	2307027.149	ug/L	28700.328
	51	V	100.000000	1.708	1369665.680	ug/L	-56592.512
	52	Cr	100.000000	0.818	1293459.832	ug/L	52592.918
	55	Mn	100.000000	1.017	2092670.461	ug/L	3107.218
	59	Co	100.000000	0.436	1653736.903	ug/L	104.334
	60	Ni	100.000000	0.342	357516.247	ug/L	134.341
	65	Cu	100.000000	0.766	350995.783	ug/L	136.637
	68	Zn	100.000000	0.351	126413.018	ug/L	4932.724
	75	As	100.000000	0.281	289046.240	ug/L	21187.501
	82	Se	100.000000	0.361	27750.253	ug/L	1433.596
	97	Mo	200.000000	1.318	426023.695	ug/L	22.333
>	72	Ge-1			1268701.361	ug/L	1304342.049
	107	Ag	50.000000	0.401	524932.943	ug/L	55.000
	111	Cd	100.000000	0.797	238687.222	ug/L	11.777
	121	Sb	50.000000	1.583	380528.429	ug/L	159.668
	135	Ba	100.000000	1.072	196331.967	ug/L	237.670
>	115	In-1			1229161.382	ug/L	1281989.760
	208	Pb	100.000000	1.374	2035373.548	ug/L	1345.373
>	169	Tm-1			675841.354	ug/L	682669.081
	50	Cr	100.000000	4.796	21147.043	ug/L	-1299.168
	53	Cr	100.000000	6.439	335311.183	ug/L	214060.235
	61	Ni	100.000000	3.711	8437.053	ug/L	2709.507
	63	Cu	100.000000	0.376	269031.288	ug/L	104.335
	67	Zn	100.000000	0.383	13419.424	ug/L	2603.418
	66	Zn	100.000000	0.633	66502.531	ug/L	2372.567
	76	Se	100.000000	19.628	-162043.454	ug/L	-173216.502
	77	Se	100.000000	1.411	40388.830	ug/L	24161.997
	78	Se	100.000000	0.238	88065.191	ug/L	25626.301
	79	Br	100.000000	172.252	51641.236	ug/L	52281.816
>	72	Ge			1268701.361	ug/L	1304342.049
	108	Cd	100.000000	1.325	16609.073	ug/L	2.224
	114	Cd	100.000000	0.624	563726.649	ug/L	23.723

	109 Ag	50.000000	0.118	184347.475	ug/L	21.333
>	115 In			1229161.382	ug/L	1281989.760
	208 207.977	100.000000	2.770	1035538.363	ug/L	684.027
	207 Pb	100.000000	0.945	429647.226	ug/L	294.672
	206 Pb	100.000000	0.516	570187.958	ug/L	366.674
>	169 Tm			675841.354	ug/L	682669.081
	106 Pd	100.000000	0.982	20568.481	ug/L	7.667
	83 Kr	100.000000	72.383	1411.080	ug/L	1457.752

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	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	
	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	
	Kr	83	

Sample ID: ICV
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 20:10:38
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\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			1926847.280	ug/L	1978844.982
>	6	Li-1			565765.537	ug/L	548895.059
	9	Be	81.774209	1.418	26084.156	ug/L	3.667
	44	Ca	896.528039	0.777	434516.543	ug/L	28700.328
	51	V	83.513055	0.449	1150549.255	ug/L	-56592.512
	52	Cr	83.709451	0.923	1106157.837	ug/L	52592.918
	55	Mn	82.610758	0.703	1753183.520	ug/L	3107.218
	59	Co	82.979624	1.296	1391045.235	ug/L	104.334
	60	Ni	83.732142	1.699	303492.253	ug/L	134.341
	65	Cu	83.089437	0.783	295686.258	ug/L	136.637
	68	Zn	82.483267	0.320	106557.928	ug/L	4932.724
	75	As	80.065346	0.758	238771.206	ug/L	21187.501
	82	Se	80.813014	1.345	23005.874	ug/L	1433.596
	97	Mo	82.942047	0.910	179126.647	ug/L	22.333
>	72	Ge-1			1286129.572	ug/L	1304342.049
	107	Ag	42.082024	0.288	446155.256	ug/L	55.000
	111	Cd	82.076176	0.629	197840.764	ug/L	11.777
	121	Sb	40.728325	0.708	313074.151	ug/L	159.668
	135	Ba	81.785316	0.233	162206.733	ug/L	237.670
>	115	In-1			1241238.042	ug/L	1281989.760
	208	Pb	83.911058	0.764	1697173.863	ug/L	1345.373
>	169	Tm-1			671461.808	ug/L	682669.081
	50	Cr	81.486087	2.114	17237.961	ug/L	-1299.168
	53	Cr	76.119638	7.997	309085.265	ug/L	214060.235
	61	Ni	82.825781	3.679	7541.091	ug/L	2709.507
	63	Cu	82.808523	1.102	225862.866	ug/L	104.335
	67	Zn	79.942621	0.880	11389.719	ug/L	2603.418
	66	Zn	82.236422	0.475	55859.160	ug/L	2372.567
	76	Se	66.966184	34.455	-166423.622	ug/L	-173216.502
	77	Se	76.424650	4.552	36905.408	ug/L	24161.997
	78	Se	81.481890	1.442	77421.835	ug/L	25626.301
	79	Br	801.879953	17.958	57852.945	ug/L	52281.816
>	72	Ge			1286129.572	ug/L	1304342.049
	108	Cd	79.596857	0.746	13352.148	ug/L	2.224
	114	Cd	81.874124	0.275	466121.295	ug/L	23.723

	109 Ag	42.060362	1.420	156603.003	ug/L	21.333
>	115 In			1241238.042	ug/L	1281989.760
	208 207.977	84.240551	1.369	866924.598	ug/L	684.027
	207 Pb	83.038077	0.862	354506.655	ug/L	294.672
	206 Pb	83.970350	0.539	475742.609	ug/L	366.674
>	169 Tm			671461.808	ug/L	682669.081
	106 Pd	83.707408	0.325	17218.592	ug/L	7.667
	83 Kr	393.568887	9.288	1274.065	ug/L	1457.752

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.074
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	98.604
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	96.821
	Pb	208	
>	Tm-1	169	98.358
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	98.604
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	96.821
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.358
	Pd	106	
	Kr	83	

Sample ID: ICB
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 20:14:48
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\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			1919262.772	ug/L	1978844.982
>	6	Li-1			558493.580	ug/L	548895.059
	9	Be	-0.003366	110.679	2.667	ug/L	3.667
	44	Ca	-0.718621	235.830	27588.438	ug/L	28700.328
	51	V	0.620580	34.491	-46205.976	ug/L	-56592.512
	52	Cr	0.123648	27.256	52683.461	ug/L	52592.918
	55	Mn	0.004196	73.957	3109.553	ug/L	3107.218
	59	Co	0.000953	192.669	117.334	ug/L	104.334
	60	Ni	-0.001987	193.072	123.599	ug/L	134.341
	65	Cu	0.001343	155.332	137.625	ug/L	136.637
	68	Zn	-0.438640	58.731	4264.710	ug/L	4932.724
	75	As	0.398895	49.007	21675.789	ug/L	21187.501
	82	Se	-0.424053	67.160	1282.368	ug/L	1433.596
	97	Mo	0.336779	26.795	739.699	ug/L	22.333
>	72	Ge-1			1268529.798	ug/L	1304342.049
	107	Ag	0.011149	26.161	172.002	ug/L	55.000
	111	Cd	0.003177	113.678	19.114	ug/L	11.777
	121	Sb	0.116842	22.620	1055.732	ug/L	159.668
	135	Ba	-0.009866	129.413	211.336	ug/L	237.670
>	115	In-1			1246353.194	ug/L	1281989.760
	208	Pb	-0.005654	66.741	1212.366	ug/L	1345.373
>	169	Tm-1			673414.508	ug/L	682669.081
	50	Cr	0.873047	9.087	-1067.874	ug/L	-1299.168
	53	Cr	-20.515995	3.930	182129.776	ug/L	214060.235
	61	Ni	-1.652485	72.318	2539.031	ug/L	2709.507
	63	Cu	0.000202	2325.617	102.002	ug/L	104.335
	67	Zn	0.106798	1122.952	2544.037	ug/L	2603.418
	66	Zn	-0.281083	68.356	2127.392	ug/L	2372.567
	76	Se	45.135342	71.775	-165555.494	ug/L	-173216.502
	77	Se	-17.806707	8.142	20491.449	ug/L	24161.997
	78	Se	-0.054091	1178.829	24887.042	ug/L	25626.301
	79	Br	179.671715	91.572	52241.665	ug/L	52281.816
>	72	Ge			1268529.798	ug/L	1304342.049
	108	Cd	0.019912	93.212	5.507	ug/L	2.224
	114	Cd	0.003548	63.245	43.334	ug/L	23.723

109 Ag	0.011403	16.299	63.334	ug/L	21.333
> 115 In			1246353.194	ug/L	1281989.760
208 207.977	-0.003156	131.948	642.357	ug/L	684.027
207 Pb	-0.007699	66.108	257.670	ug/L	294.672
206 Pb	-0.008651	93.512	312.339	ug/L	366.674
> 169 Tm			673414.508	ug/L	682669.081
106 Pd	-0.004864	305.505	6.667	ug/L	7.667
83 Kr	369.283484	15.756	1285.399	ug/L	1457.752

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	101.749
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	97.254
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	97.220
	Pb	208	
>	Tm-1	169	98.644
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	97.254
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	97.220
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.644
	Pd	106	
	Kr	83	

Sample ID: ICSA
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 20:18:58
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\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			1447949.174	ug/L	1978844.982
>	6	Li-1			445433.879	ug/L	548895.059
	9	Be	0.026616	15.627	9.667	ug/L	3.667
	44	Ca	91561.597251	0.515	34030386.606	ug/L	28700.328
	51	V	1.369964	13.550	-29527.711	ug/L	-56592.512
	52	Cr	1.009483	5.531	52928.270	ug/L	52592.918
	55	Mn	2.351796	0.483	43352.806	ug/L	3107.218
	59	Co	1.652008	1.024	22784.631	ug/L	104.334
	60	Ni	1.659875	6.263	5038.548	ug/L	134.341
	65	Cu	0.787873	6.574	2407.430	ug/L	136.637
	68	Zn	2.924759	3.454	6942.420	ug/L	4932.724
	75	As	0.807566	43.190	18924.597	ug/L	21187.501
	82	Se	0.456836	144.190	1258.972	ug/L	1433.596
	97	Mo	1989.395157	0.696	3521326.257	ug/L	22.333
>	72	Ge-1			1054234.395	ug/L	1304342.049
	107	Ag	0.259715	2.094	2328.977	ug/L	55.000
	111	Cd	0.835218	25.367	1678.167	ug/L	11.777
	121	Sb	2.299565	0.321	14791.158	ug/L	159.668
	135	Ba	0.827053	3.058	1550.137	ug/L	237.670
>	115	In-1			1030099.055	ug/L	1281989.760
	208	Pb	1.026975	1.141	18070.964	ug/L	1345.373
>	169	Tm-1			549587.054	ug/L	682669.081
	50	Cr	3.631131	822.890	-357.829	ug/L	-1299.168
	53	Cr	-40.025727	7.098	130778.238	ug/L	214060.235
	61	Ni	30.058520	1.573	3638.450	ug/L	2709.507
	63	Cu	5.215683	0.942	11739.677	ug/L	104.335
	67	Zn	22.971696	6.249	4182.800	ug/L	2603.418
	66	Zn	7.995513	3.214	6182.444	ug/L	2372.567
	76	Se	-84.422767	3.791	-144526.353	ug/L	-173216.502
	77	Se	-5.176223	91.841	18805.151	ug/L	24161.997
	78	Se	0.681656	4.891	21070.087	ug/L	25626.301
	79	Br	680746.478630	0.781	4426006.675	ug/L	52281.816
>	72	Ge			1054234.395	ug/L	1304342.049
	108	Cd	76.117871	1.416	10597.215	ug/L	2.224
	114	Cd	4.579773	1.243	21655.103	ug/L	23.723

	109 Ag	0.234688	3.651	742.088	ug/L	21.333
>	115 In			1030099.055	ug/L	1281989.760
	208 207.977	1.067858	1.389	9538.530	ug/L	684.027
	207 Pb	1.031329	2.868	3838.175	ug/L	294.672
	206 Pb	0.949428	1.645	4694.259	ug/L	366.674
>	169 Tm			549587.054	ug/L	682669.081
	106 Pd	0.536623	4.710	118.001	ug/L	7.667
	83 Kr	-284.287168	21.444	1590.435	ug/L	1457.752

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	81.151
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	80.825
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	80.352
	Pb	208	
>	Tm-1	169	80.506
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	80.825
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	80.352
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	80.506
	Pd	106	
	Kr	83	

Sample ID: ICSAB
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 20:23:05
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\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			1423245.159	ug/L	1978844.982
>	6	Li-1			442641.727	ug/L	548895.059
	9	Be	99.348982	1.447	24793.747	ug/L	3.667
	44	Ca	91470.824732	0.106	33462589.699	ug/L	28700.328
	51	V	100.196829	0.290	1122748.442	ug/L	-56592.512
	52	Cr	100.151848	0.298	1059553.350	ug/L	52592.918
	55	Mn	97.895998	0.395	1675786.757	ug/L	3107.218
	59	Co	96.891762	0.291	1310501.778	ug/L	104.334
	60	Ni	92.416547	0.674	270250.941	ug/L	134.341
	65	Cu	89.153951	0.668	255966.604	ug/L	136.637
	68	Zn	93.201426	1.369	96628.971	ug/L	4932.724
	75	As	104.137893	0.464	245500.928	ug/L	21187.501
	82	Se	109.381784	1.499	24719.374	ug/L	1433.596
	97	Mo	2085.417582	0.740	3633301.311	ug/L	22.333
>	72	Ge-1			1037677.252	ug/L	1304342.049
	107	Ag	47.143319	0.534	405595.570	ug/L	55.000
	111	Cd	98.782719	0.697	193228.199	ug/L	11.777
	121	Sb	54.699204	0.313	341167.683	ug/L	159.668
	135	Ba	103.866522	0.512	167114.076	ug/L	237.670
>	115	In-1			1007251.058	ug/L	1281989.760
	208	Pb	102.574143	0.792	1695498.153	ug/L	1345.373
>	169	Tm-1			548825.612	ug/L	682669.081
	50	Cr	85.274960	6.988	14606.777	ug/L	-1299.168
	53	Cr	77.317661	3.014	250632.779	ug/L	214060.235
	61	Ni	120.883601	1.634	7889.950	ug/L	2709.507
	63	Cu	93.153230	0.291	204989.508	ug/L	104.335
	67	Zn	113.938007	1.995	12216.168	ug/L	2603.418
	66	Zn	97.669489	1.218	53169.512	ug/L	2372.567
	76	Se	1.235329	783.255	-137738.442	ug/L	-173216.502
	77	Se	111.034644	0.751	34556.703	ug/L	24161.997
	78	Se	108.022634	0.866	76170.587	ug/L	25626.301
	79	Br	8642.211782	14.101	96406.509	ug/L	52281.816
>	72	Ge			1037677.252	ug/L	1304342.049
	108	Cd	172.566651	1.037	23488.854	ug/L	2.224
	114	Cd	103.527484	0.628	478266.824	ug/L	23.723

	109 Ag	47.405201	0.130	143227.091	ug/L	21.333
>	115 In			1007251.058	ug/L	1281989.760
	208 207.977	103.404616	0.637	869701.699	ug/L	684.027
	207 Pb	101.931661	1.096	355635.094	ug/L	294.672
	206 Pb	101.549698	1.194	470161.360	ug/L	366.674
>	169 Tm			548825.612	ug/L	682669.081
	106 Pd	82.809134	1.332	17033.899	ug/L	7.667
	83 Kr	-332.145225	53.367	1612.771	ug/L	1457.752

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	80.642
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	79.556
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	78.569
	Pb	208	
>	Tm-1	169	80.394
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	79.556
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	78.569
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	80.394
	Pd	106	
	Kr	83	

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

Sample ID: H64F0C
Sample Description: G6F090000-308 LCS
Batch ID: 6160308
Sample Date/Time: Monday, June 19, 2006 20:36:03
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\H64F0C.017
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 101
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			1811801.295	ug/L	1978844.982
>	6	Li-1			587287.378	ug/L	548895.059
	9	Be	182.679057	0.475	60486.007	ug/L	3.667
	44	Ca	1112.307265	0.151	511197.727	ug/L	28700.328
	51	V	194.089859	1.257	2638667.488	ug/L	-56592.512
	52	Cr	195.047685	1.036	2408784.288	ug/L	52592.918
	55	Mn	199.077037	0.393	4053259.875	ug/L	3107.218
	59	Co	197.289447	0.921	3175940.913	ug/L	104.334
	60	Ni	192.575971	0.234	670170.064	ug/L	134.341
	65	Cu	188.597399	0.575	644378.601	ug/L	136.637
	68	Zn	182.967950	0.990	221299.390	ug/L	4932.724
	75	As	190.187970	0.335	517111.134	ug/L	21187.501
	82	Se	185.236099	0.781	48884.912	ug/L	1433.596
	97	Mo	195.814833	0.956	406084.423	ug/L	22.333
>	72	Ge-1			1235136.330	ug/L	1304342.049
	107	Ag	48.764369	0.379	499423.810	ug/L	55.000
	111	Cd	186.351934	0.666	433904.859	ug/L	11.777
	121	Sb	46.685934	1.337	346630.962	ug/L	159.668
	135	Ba	197.874848	1.295	378799.147	ug/L	237.670
>	115	In-1			1199038.540	ug/L	1281989.760
	208	Pb	199.441202	1.114	4128439.375	ug/L	1345.373
>	169	Tm-1			687565.094	ug/L	682669.081
	50	Cr	203.871734	3.512	43261.899	ug/L	-1299.168
	53	Cr	131.095824	1.347	364829.440	ug/L	214060.235
	61	Ni	196.930489	1.386	13685.241	ug/L	2709.507
	63	Cu	185.069016	0.215	484647.776	ug/L	104.335
	67	Zn	170.740114	2.144	20564.145	ug/L	2603.418
	66	Zn	177.172521	0.711	112975.288	ug/L	2372.567
	76	Se	234.703748	8.841	-149289.669	ug/L	-173216.502
	77	Se	113.485173	0.987	41536.241	ug/L	24161.997
	78	Se	187.692981	0.284	139642.442	ug/L	25626.301
	79	Br	492.237968	84.556	53245.536	ug/L	52281.816
>	72	Ge			1235136.330	ug/L	1304342.049
	108	Cd	184.454592	1.473	29890.260	ug/L	2.224
	114	Cd	185.045840	0.529	1017611.918	ug/L	23.723

	109 Ag	48.954404	0.291	176067.870	ug/L	21.333
>	115 In			1199038.540	ug/L	1281989.760
	208 207.977	200.438277	1.229	2111114.462	ug/L	684.027
	207 Pb	206.682489	2.331	902985.690	ug/L	294.672
	206 Pb	192.173360	0.597	1114339.223	ug/L	366.674
>	169 Tm			687565.094	ug/L	682669.081
	106 Pd	186.827072	0.452	38420.835	ug/L	7.667
	83 Kr	182.142451	41.533	1372.742	ug/L	1457.752

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	106.994
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	94.694
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	93.529
	Pb	208	
>	Tm-1	169	100.717
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	94.694
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	93.529
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	100.717
	Pd	106	
	Kr	83	

Sample ID: H64F0L
Sample Description: G6F090000-308 LCSD
Batch ID: 6160308
Sample Date/Time: Monday, June 19, 2006 20:40:08
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\H64F0L.018
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 102
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			1782662.550	ug/L	1978844.982
>	6	Li-1			596167.720	ug/L	548895.059
	9	Be	182.212891	3.162	61207.669	ug/L	3.667
	44	Ca	1087.157312	1.894	492903.105	ug/L	28700.328
	51	V	194.429977	2.485	2604627.635	ug/L	-56592.512
	52	Cr	197.174344	2.057	2398871.857	ug/L	52592.918
	55	Mn	199.094681	2.278	3993895.922	ug/L	3107.218
	59	Co	196.009346	2.673	3108914.601	ug/L	104.334
	60	Ni	191.100676	2.240	655243.352	ug/L	134.341
	65	Cu	186.078621	1.815	626444.595	ug/L	136.637
	68	Zn	183.233228	1.327	218381.311	ug/L	4932.724
	75	As	189.943952	1.888	508888.389	ug/L	21187.501
	82	Se	186.161504	2.148	48402.417	ug/L	1433.596
	97	Mo	196.494201	1.026	401572.389	ug/L	22.333
>	72	Ge-1			1217261.939	ug/L	1304342.049
	107	Ag	49.259644	1.297	498603.672	ug/L	55.000
	111	Cd	187.277320	1.552	430970.374	ug/L	11.777
	121	Sb	47.060837	2.160	345319.904	ug/L	159.668
	135	Ba	197.378274	2.840	373359.806	ug/L	237.670
>	115	In-1			1185210.405	ug/L	1281989.760
	208	Pb	202.236748	0.456	4226200.688	ug/L	1345.373
>	169	Tm-1			694062.736	ug/L	682669.081
	50	Cr	205.977068	3.561	43073.564	ug/L	-1299.168
	53	Cr	132.149071	6.021	360718.878	ug/L	214060.235
	61	Ni	192.821290	5.085	13251.380	ug/L	2709.507
	63	Cu	183.620203	2.397	473760.183	ug/L	104.335
	67	Zn	171.057825	2.965	20292.689	ug/L	2603.418
	66	Zn	177.318397	0.867	111423.421	ug/L	2372.567
	76	Se	242.995298	8.113	-146630.041	ug/L	-173216.502
	77	Se	112.957503	3.669	40840.275	ug/L	24161.997
	78	Se	188.149094	1.931	137871.375	ug/L	25626.301
	79	Br	-412.156313	53.519	45708.778	ug/L	52281.816
>	72	Ge			1217261.939	ug/L	1304342.049
	108	Cd	182.686794	1.233	29256.453	ug/L	2.224
	114	Cd	185.736254	1.719	1009477.751	ug/L	23.723

	109 Ag	49.303682	1.593	175256.469	ug/L	21.333
>	115 In			1185210.405	ug/L	1281989.760
	208 207.977	204.819982	1.393	2177926.952	ug/L	684.027
	207 Pb	209.413913	1.254	923684.293	ug/L	294.672
	206 Pb	192.135913	2.054	1124589.444	ug/L	366.674
>	169 Tm			694062.736	ug/L	682669.081
	106 Pd	186.193694	1.279	38290.607	ug/L	7.667
	83 Kr	122.856928	101.498	1400.412	ug/L	1457.752

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	108.612
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	93.324
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	92.451
	Pb	208	
>	Tm-1	169	101.669
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	93.324
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	92.451
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	101.669
	Pd	106	
	Kr	83	

Sample ID: CCV 1
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 20:48:28
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\CCV 1.020
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1719133.233	ug/L	1978844.982
>	6	Li-1			577798.270	ug/L	548895.059
	9	Be	98.651717	0.595	32139.593	ug/L	3.667
	44	Ca	4859.321607	0.432	2087796.670	ug/L	28700.328
	51	V	100.404374	0.076	1305569.094	ug/L	-56592.512
	52	Cr	100.127439	0.598	1229137.785	ug/L	52592.918
	55	Mn	99.705837	0.306	1980415.503	ug/L	3107.218
	59	Co	97.912814	0.681	1536694.344	ug/L	104.334
	60	Ni	96.031233	0.249	325848.631	ug/L	134.341
	65	Cu	93.340365	0.781	310958.724	ug/L	136.637
	68	Zn	94.540600	0.858	113674.670	ug/L	4932.724
	75	As	102.409856	0.349	280465.853	ug/L	21187.501
	82	Se	101.056565	0.658	26601.339	ug/L	1433.596
	97	Mo	193.462848	0.952	391126.178	ug/L	22.333
>	72	Ge-1			1204058.881	ug/L	1304342.049
	107	Ag	50.622853	1.306	491724.430	ug/L	55.000
	111	Cd	98.783731	1.116	218162.566	ug/L	11.777
	121	Sb	49.976436	1.858	351936.153	ug/L	159.668
	135	Ba	101.152050	1.220	183750.403	ug/L	237.670
>	115	In-1			1137239.701	ug/L	1281989.760
	208	Pb	106.161322	1.275	2098332.210	ug/L	1345.373
>	169	Tm-1			656355.302	ug/L	682669.081
	50	Cr	109.239389	3.761	22039.751	ug/L	-1299.168
	53	Cr	77.361212	3.255	290860.996	ug/L	214060.235
	61	Ni	96.469489	1.379	7810.749	ug/L	2709.507
	63	Cu	93.934666	0.900	239851.806	ug/L	104.335
	67	Zn	89.289130	2.328	11628.265	ug/L	2603.418
	66	Zn	91.908387	0.687	58188.443	ug/L	2372.567
	76	Se	176.721539	10.303	-149085.911	ug/L	-173216.502
	77	Se	77.132196	3.073	34664.671	ug/L	24161.997
	78	Se	101.414245	0.365	84426.800	ug/L	25626.301
	79	Br	610.378660	22.707	52752.108	ug/L	52281.816
>	72	Ge			1204058.881	ug/L	1304342.049
	108	Cd	98.624394	1.009	15157.375	ug/L	2.224
	114	Cd	99.293602	1.172	517894.520	ug/L	23.723

	109 Ag	50.194128	1.284	171222.130	ug/L	21.333
>	115 In			1137239.701	ug/L	1281989.760
	208 207.977	106.465761	1.458	1070725.040	ug/L	684.027
	207 Pb	105.957911	1.614	442038.526	ug/L	294.672
	206 Pb	105.761575	0.806	585568.643	ug/L	366.674
>	169 Tm			656355.302	ug/L	682669.081
	106 Pd	93.402922	0.203	19212.069	ug/L	7.667
	83 Kr	26.428563	501.547	1445.417	ug/L	1457.752

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	105.266
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	92.312
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	88.709
	Pb	208	
>	Tm-1	169	96.145
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	92.312
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	88.709
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	96.145
	Pd	106	
	Kr	83	

Sample ID: CCB 1
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 20:52:39
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\CCB 1.021
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1740272.331	ug/L	1978844.982
>	6	Li-1			578502.535	ug/L	548895.059
	9	Be	-0.003658	98.488	2.667	ug/L	3.667
	44	Ca	-3.978201	11.287	25090.927	ug/L	28700.328
	51	V	0.856929	28.550	-41129.457	ug/L	-56592.512
	52	Cr	-0.831782	4.172	39184.210	ug/L	52592.918
	55	Mn	-0.020226	11.795	2495.356	ug/L	3107.218
	59	Co	0.001253	43.562	117.334	ug/L	104.334
	60	Ni	-0.004004	101.422	111.651	ug/L	134.341
	65	Cu	-0.002313	126.255	119.810	ug/L	136.637
	68	Zn	-0.820486	39.548	3648.099	ug/L	4932.724
	75	As	0.536436	45.318	21162.901	ug/L	21187.501
	82	Se	0.036280	350.052	1347.779	ug/L	1433.596
	97	Mo	0.708292	20.271	1469.460	ug/L	22.333
>	72	Ge-1			1217850.518	ug/L	1304342.049
	107	Ag	0.019775	12.451	245.337	ug/L	55.000
	111	Cd	0.001928	153.497	14.973	ug/L	11.777
	121	Sb	0.139496	12.905	1144.409	ug/L	159.668
	135	Ba	-0.012651	18.457	191.335	ug/L	237.670
>	115	In-1			1158199.558	ug/L	1281989.760
	208	Pb	-0.017456	37.660	964.688	ug/L	1345.373
>	169	Tm-1			667070.178	ug/L	682669.081
	50	Cr	1.362192	0.669	-919.889	ug/L	-1299.168
	53	Cr	-34.419637	5.498	157900.226	ug/L	214060.235
	61	Ni	-0.389152	270.990	2508.006	ug/L	2709.507
	63	Cu	0.000483	235.805	98.668	ug/L	104.335
	67	Zn	-1.710663	33.075	2252.145	ug/L	2603.418
	66	Zn	-0.862084	25.600	1684.122	ug/L	2372.567
	76	Se	80.328372	11.523	-156759.696	ug/L	-173216.502
	77	Se	-38.136393	2.175	16378.724	ug/L	24161.997
	78	Se	-0.404929	134.876	23680.495	ug/L	25626.301
	79	Br	632.739807	24.019	53522.042	ug/L	52281.816
>	72	Ge			1217850.518	ug/L	1304342.049
	108	Cd	0.032673	91.304	7.112	ug/L	2.224
	114	Cd	0.002956	114.890	37.117	ug/L	23.723

	109 Ag	0.021220	17.727	93.001	ug/L	21.333
>	115 In			1158199.558	ug/L	1281989.760
	208 207.977	-0.016022	47.977	505.015	ug/L	684.027
	207 Pb	-0.018355	60.132	210.336	ug/L	294.672
	206 Pb	-0.019382	17.463	249.337	ug/L	366.674
>	169 Tm			667070.178	ug/L	682669.081
	106 Pd	-0.016212	121.244	4.333	ug/L	7.667
	83 Kr	378.569043	20.028	1281.066	ug/L	1457.752

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	105.394
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	93.369
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	90.344
	Pb	208	
>	Tm-1	169	97.715
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	93.369
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	90.344
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	97.715
	Pd	106	
	Kr	83	

Sample ID: CCV 2
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 20:58:18
Method File: c:\elandata\Method\6160308rb.mth
Dataset File: c:\elandata\dataset\060619a1\CCV 2.022
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			1709222.633	ug/L	1978844.982
>	6	Li-1			578280.980	ug/L	548895.059
	9	Be	98.373775	0.819	32073.680	ug/L	3.667
	44	Ca	4765.182597	0.898	2053219.805	ug/L	28700.328
	52	Cr	99.635330	0.437	1226541.849	ug/L	52592.918
	55	Mn	98.761403	1.029	1966740.861	ug/L	3107.218
	60	Ni	95.452712	0.660	324727.297	ug/L	134.341
	65	Cu	92.492568	0.751	308933.675	ug/L	136.637
	68	Zn	93.018259	0.825	112207.549	ug/L	4932.724
>	72	Ge-1			1207207.056	ug/L	1304342.049
	111	Cd	99.637277	0.906	220694.331	ug/L	11.777
	121	Sb	49.640799	1.013	350616.697	ug/L	159.668
	135	Ba	101.402989	1.466	184743.260	ug/L	237.670
>	115	In-1			1140636.795	ug/L	1281989.760
	208	Pb	105.718678	0.399	2132632.567	ug/L	1345.373
>	169	Tm-1			669804.041	ug/L	682669.081
	50	Cr	124.894057	3.187	25440.402	ug/L	-1299.168
	53	Cr	-76.654434	1.333	105475.428	ug/L	214060.235
	61	Ni	94.090003	1.441	7699.808	ug/L	2709.507
	63	Cu	92.615696	0.547	237097.007	ug/L	104.335
	67	Zn	89.192299	0.089	11649.005	ug/L	2603.418
	66	Zn	91.700662	0.538	58212.182	ug/L	2372.567
>	72	Ge			1207207.056	ug/L	1304342.049
	108	Cd	100.370728	1.079	15471.049	ug/L	2.224
	114	Cd	99.709397	0.773	521609.908	ug/L	23.723
>	115	In			1140636.795	ug/L	1281989.760
	208	207.977	105.592452	0.491	1083845.613	ug/L	684.027
	207	Pb	105.690355	0.241	450035.521	ug/L	294.672
	206	Pb	105.969314	0.718	598751.433	ug/L	366.674
>	169	Tm			669804.041	ug/L	682669.081
	106	Pd	93.752256	1.020	19283.894	ug/L	7.667
	83	Kr	1074.231065	8.350	956.386	ug/L	1457.752

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery

	Sc	45	
⌈>	Li-1	6	105.354
⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
⌊>	Ge-1	72	92.553
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	88.974
⌈	Pb	208	
⌊>	Tm-1	169	98.115
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	92.553
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	88.974
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	98.115
	Pd	106	
	Kr	83	

Sample ID: CCB 2
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 21:01:57
Method File: c:\elandata\Method\6160308rb.mth
Dataset File: c:\elandata\dataset\060619a1\CCB 2.023
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			1714487.639	ug/L	1978844.982
>	6	Li-1			572210.075	ug/L	548895.059
	9	Be	-0.001491	671.864	3.333	ug/L	3.667
	44	Ca	-4.493320	26.679	24784.727	ug/L	28700.328
	52	Cr	-0.845603	1.296	38889.903	ug/L	52592.918
	55	Mn	-0.017320	13.298	2545.037	ug/L	3107.218
	60	Ni	-0.003697	86.957	112.397	ug/L	134.341
	65	Cu	0.001649	192.332	132.698	ug/L	136.637
	68	Zn	-0.675189	30.504	3805.163	ug/L	4932.724
>	72	Ge-1			1213754.576	ug/L	1304342.049
	111	Cd	0.004745	34.752	21.179	ug/L	11.777
	121	Sb	0.134506	5.356	1102.403	ug/L	159.668
	135	Ba	-0.007121	144.853	200.336	ug/L	237.670
>	115	In-1			1151524.429	ug/L	1281989.760
	208	Pb	-0.016106	29.395	1000.022	ug/L	1345.373
>	169	Tm-1			673316.641	ug/L	682669.081
	50	Cr	4.601380	1.380	-222.100	ug/L	-1299.168
	53	Cr	-117.587998	0.440	56302.737	ug/L	214060.235
	61	Ni	1.126872	66.533	2583.734	ug/L	2709.507
	63	Cu	-0.004566	65.767	85.335	ug/L	104.335
	67	Zn	-1.464967	107.431	2270.494	ug/L	2603.418
	66	Zn	-0.779458	27.810	1729.481	ug/L	2372.567
>	72	Ge			1213754.576	ug/L	1304342.049
	108	Cd	0.022994	117.211	5.594	ug/L	2.224
	114	Cd	0.005046	2.980	47.959	ug/L	23.723
>	115	In			1151524.429	ug/L	1281989.760
	208	207.977	-0.016692	19.420	502.348	ug/L	684.027
	207	Pb	-0.012058	132.887	238.670	ug/L	294.672
	206	Pb	-0.018090	12.359	259.004	ug/L	366.674
>	169	Tm			673316.641	ug/L	682669.081
	106	Pd	0.003242	229.129	8.333	ug/L	7.667
	83	Kr	1177.801336	10.981	908.047	ug/L	1457.752

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery

	Sc	45	
>	Li-1	6	104.248
	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
>	Ge-1	72	93.055
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	89.823
	Pb	208	
>	Tm-1	169	98.630
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
>	Ge	72	93.055
	Cd	108	
	Cd	114	
>	In	115	89.823
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.630
	Pd	106	
	Kr	83	

Sample ID: BLK RECAL
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 21:01:57
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\CCB 2.023
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			1714487.639	ug/L	
>	6	Li-1			572210.075	ug/L	
	9	Be			3.333	ug/L	
	44	Ca			24784.727	ug/L	
	52	Cr			38889.903	ug/L	
	55	Mn			2545.037	ug/L	
	60	Ni			112.397	ug/L	
	65	Cu			132.698	ug/L	
	68	Zn			3805.163	ug/L	
>	72	Ge-1			1213754.576	ug/L	
	111	Cd			21.179	ug/L	
	121	Sb			1102.403	ug/L	
	135	Ba			200.336	ug/L	
>	115	In-1			1151524.429	ug/L	
	208	Pb			1000.022	ug/L	
>	169	Tm-1			673316.641	ug/L	
	50	Cr			-222.100	ug/L	
	53	Cr			56302.737	ug/L	
	61	Ni			2583.734	ug/L	
	63	Cu			85.335	ug/L	
	67	Zn			2270.494	ug/L	
	66	Zn			1729.481	ug/L	
>	72	Ge			1213754.576	ug/L	
	108	Cd			5.594	ug/L	
	114	Cd			47.959	ug/L	
>	115	In			1151524.429	ug/L	
	208	207.977			502.348	ug/L	
	207	Pb			238.670	ug/L	
	206	Pb			259.004	ug/L	
>	169	Tm			673316.641	ug/L	
	106	Pd			8.333	ug/L	
	83	Kr			908.047	ug/L	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery

	Sc	45
>	Li-1	6
	Be	9
	Ca	44
	Cr	52
	Mn	55
	Ni	60
	Cu	65
	Zn	68
>	Ge-1	72
	Cd	111
	Sb	121
	Ba	135
>	In-1	115
	Pb	208
>	Tm-1	169
	Cr	50
	Cr	53
	Ni	61
	Cu	63
	Zn	67
	Zn	66
>	Ge	72
	Cd	108
	Cd	114
>	In	115
	207.977	208
	Pb	207
	Pb	206
>	Tm	169
	Pd	106
	Kr	83

Sample ID: STD1 RECAL
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 20:58:18
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\CCV 2.022
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			1709222.633	ug/L	1714487.639
>	6	Li-1			578280.980	ug/L	572210.075
	9	Be	100.000000	0.819	32073.680	ug/L	3.333
	44	Ca	5100.000000	0.897	2053219.805	ug/L	24784.727
	52	Cr	100.000000	0.433	1226541.849	ug/L	38889.903
	55	Mn	100.000000	1.029	1966740.861	ug/L	2545.037
	60	Ni	100.000000	0.660	324727.297	ug/L	112.397
	65	Cu	100.000000	0.751	308933.675	ug/L	132.698
	68	Zn	100.000000	0.819	112207.549	ug/L	3805.163
>	72	Ge-1			1207207.056	ug/L	1213754.576
	111	Cd	100.000000	0.906	220694.331	ug/L	21.179
	121	Sb	50.000000	1.016	350616.697	ug/L	1102.403
	135	Ba	100.000000	1.466	184743.260	ug/L	200.336
>	115	In-1			1140636.795	ug/L	1151524.429
	208	Pb	100.000000	0.399	2132632.567	ug/L	1000.022
>	169	Tm-1			669804.041	ug/L	673316.641
	50	Cr	100.000000	3.309	25440.402	ug/L	-222.100
	53	Cr	100.000000	2.495	105475.428	ug/L	56302.737
	61	Ni	100.000000	1.458	7699.808	ug/L	2583.734
	63	Cu	100.000000	0.547	237097.007	ug/L	85.335
	67	Zn	100.000000	0.087	11649.005	ug/L	2270.494
	66	Zn	100.000000	0.534	58212.182	ug/L	1729.481
>	72	Ge			1207207.056	ug/L	1213754.576
	108	Cd	100.000000	1.080	15471.049	ug/L	5.594
	114	Cd	100.000000	0.773	521609.908	ug/L	47.959
>	115	In			1140636.795	ug/L	1151524.429
	208	207.977	100.000000	0.491	1083845.613	ug/L	502.348
	207	Pb	100.000000	0.241	450035.521	ug/L	238.670
	206	Pb	100.000000	0.718	598751.433	ug/L	259.004
>	169	Tm			669804.041	ug/L	673316.641
	106	Pd	100.000000	1.020	19283.894	ug/L	8.333
	83	Kr	100.000000	86.609	956.386	ug/L	908.047

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery

	Sc	45
>	Li-1	6
	Be	9
	Ca	44
	Cr	52
	Mn	55
	Ni	60
	Cu	65
	Zn	68
>	Ge-1	72
	Cd	111
	Sb	121
	Ba	135
>	In-1	115
	Pb	208
>	Tm-1	169
	Cr	50
	Cr	53
	Ni	61
	Cu	63
	Zn	67
	Zn	66
>	Ge	72
	Cd	108
	Cd	114
>	In	115
	207.977	208
	Pb	207
	Pb	206
>	Tm	169
	Pd	106
	Kr	83

Sample ID: CCV 3
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 21:05:37
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\CCV 3.024
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			1661620.124	ug/L	1714487.639
>	6	Li-1			567390.135	ug/L	572210.075
	9	Be	101.340004	1.288	31890.343	ug/L	3.333
	44	Ca	5042.712191	0.485	2008395.483	ug/L	24784.727
	52	Cr	100.426749	0.508	1218233.576	ug/L	38889.903
	55	Mn	99.771276	0.484	1941013.385	ug/L	2545.037
	60	Ni	99.089319	0.658	318284.055	ug/L	112.397
	65	Cu	99.163407	0.253	303030.588	ug/L	132.698
	68	Zn	99.033518	0.538	109955.239	ug/L	3805.163
>	72	Ge-1			1194095.073	ug/L	1213754.576
	111	Cd	99.626052	1.043	215630.876	ug/L	21.179
	121	Sb	50.384382	0.893	346492.272	ug/L	1102.403
	135	Ba	100.101725	0.486	181396.678	ug/L	200.336
>	115	In-1			1118668.697	ug/L	1151524.429
	208	Pb	102.842774	1.429	2125849.230	ug/L	1000.022
>	169	Tm-1			649242.860	ug/L	673316.641
	50	Cr	98.859453	0.668	24872.993	ug/L	-222.100
	53	Cr	99.530511	2.378	104098.292	ug/L	56302.737
	61	Ni	99.648164	0.497	7598.560	ug/L	2583.734
	63	Cu	99.509501	1.208	233379.201	ug/L	85.335
	67	Zn	99.454306	1.291	11472.021	ug/L	2270.494
	66	Zn	98.668910	0.510	56836.540	ug/L	1729.481
>	72	Ge			1194095.073	ug/L	1213754.576
	108	Cd	99.823280	1.072	15146.229	ug/L	5.594
	114	Cd	99.592092	1.331	509487.520	ug/L	47.959
>	115	In			1118668.697	ug/L	1151524.429
	208	207.977	103.577524	1.543	1088063.173	ug/L	502.348
	207	Pb	102.750855	1.164	448228.470	ug/L	238.670
	206	Pb	101.581919	1.657	589557.587	ug/L	259.004
>	169	Tm			649242.860	ug/L	673316.641
	106	Pd	99.589248	0.677	19204.720	ug/L	8.333
	83	Kr	-28.276086	56.834	894.379	ug/L	908.047

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery

	Sc	45	
>	Li-1	6	99.158
	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
>	Ge-1	72	98.380
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	97.147
	Pb	208	
>	Tm-1	169	96.425
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
>	Ge	72	98.380
	Cd	108	
	Cd	114	
>	In	115	97.147
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	96.425
	Pd	106	
	Kr	83	

Sample ID: CCB 3
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 21:09:17
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\CCB 3.025
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			1674535.534	ug/L	1714487.639
>	6	Li-1			568511.424	ug/L	572210.075
	9	Be	0.001103	871.749	3.667	ug/L	3.333
	44	Ca	-0.820594	112.727	24281.646	ug/L	24784.727
	52	Cr	0.001089	6430.637	38624.073	ug/L	38889.903
	55	Mn	0.022809	168.909	2971.192	ug/L	2545.037
	60	Ni	0.017452	174.251	167.732	ug/L	112.397
	65	Cu	0.010808	50.743	164.996	ug/L	132.698
	68	Zn	0.247844	84.154	4047.605	ug/L	3805.163
>	72	Ge-1			1205162.022	ug/L	1213754.576
	111	Cd	0.002459	57.540	26.510	ug/L	21.179
	121	Sb	-0.001077	678.547	1089.735	ug/L	1102.403
	135	Ba	0.004783	236.201	208.002	ug/L	200.336
>	115	In-1			1145971.040	ug/L	1151524.429
	208	Pb	0.005564	80.258	1123.695	ug/L	1000.022
>	169	Tm-1			675868.453	ug/L	673316.641
	50	Cr	0.023538	234.089	-214.551	ug/L	-222.100
	53	Cr	0.408218	257.224	56106.238	ug/L	56302.737
	61	Ni	-3.748204	56.366	2373.569	ug/L	2583.734
	63	Cu	0.003515	190.651	93.001	ug/L	85.335
	67	Zn	0.404354	241.512	2292.508	ug/L	2270.494
	66	Zn	0.304919	83.817	1889.907	ug/L	1729.481
>	72	Ge			1205162.022	ug/L	1213754.576
	108	Cd	0.037937	72.589	11.420	ug/L	5.594
	114	Cd	0.003348	19.836	65.313	ug/L	47.959
>	115	In			1145971.040	ug/L	1151524.429
	208	207.977	0.008235	33.553	594.354	ug/L	502.348
	207	Pb	0.000447	1690.870	241.670	ug/L	238.670
	206	Pb	0.004572	116.623	287.671	ug/L	259.004
>	169	Tm			675868.453	ug/L	673316.641
	106	Pd	-0.003459	567.891	7.667	ug/L	8.333
	83	Kr	-11.034586	862.151	902.713	ug/L	908.047

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery

	Sc	45	
⌈>	Li-1	6	99.354
⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
⌊>	Ge-1	72	99.292
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	99.518
⌈	Pb	208	
⌊>	Tm-1	169	100.379
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	99.292
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	99.518
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	100.379
	Pd	106	
	Kr	83	

Sample ID: H64F0C
Sample Description: G6F090000-308 LCS
Batch ID: 6160308
Sample Date/Time: Monday, June 19, 2006 21:12:54
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\H64F0C.026
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 101
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			1660730.543	ug/L	1714487.639
>	6	Li-1			583603.584	ug/L	572210.075
	9	Be	187.880428	2.534	60802.551	ug/L	3.333
	44	Ca	1150.012781	0.837	474735.493	ug/L	24784.727
	52	Cr	194.523491	1.624	2313567.017	ug/L	38889.903
	55	Mn	194.702260	0.214	3768793.011	ug/L	2545.037
	60	Ni	193.888393	1.445	619928.467	ug/L	112.397
	65	Cu	194.034217	1.230	590195.690	ug/L	132.698
	68	Zn	190.128501	1.348	206729.772	ug/L	3805.163
>	72	Ge-1			1188833.171	ug/L	1213754.576
	111	Cd	187.802206	0.698	414888.147	ug/L	21.179
	121	Sb	47.233696	0.413	331616.097	ug/L	1102.403
	135	Ba	199.297092	1.367	368401.223	ug/L	200.336
>	115	In-1			1141743.684	ug/L	1151524.429
	208	Pb	194.662432	1.839	4266837.677	ug/L	1000.022
>	169	Tm-1			688742.147	ug/L	673316.641
	50	Cr	185.073287	1.762	46550.649	ug/L	-222.100
	53	Cr	140.902639	3.038	123795.280	ug/L	56302.737
	61	Ni	197.539990	3.191	12510.335	ug/L	2583.734
	63	Cu	191.705207	1.432	447515.854	ug/L	85.335
	67	Zn	179.480570	1.981	18821.520	ug/L	2270.494
	66	Zn	183.732197	1.377	103907.389	ug/L	1729.481
>	72	Ge			1188833.171	ug/L	1213754.576
	108	Cd	182.828985	1.449	28311.367	ug/L	5.594
	114	Cd	186.556140	0.242	974057.951	ug/L	47.959
>	115	In			1141743.684	ug/L	1151524.429
	208	207.977	197.480350	1.579	2199949.362	ug/L	502.348
	207	Pb	202.693580	2.282	937441.504	ug/L	238.670
	206	Pb	183.526309	2.009	1129446.811	ug/L	259.004
>	169	Tm			688742.147	ug/L	673316.641
	106	Pd	190.124798	0.542	36655.955	ug/L	8.333
	83	Kr	-53.103385	198.828	882.378	ug/L	908.047

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery

	Sc	45	
⌈>	Li-1	6	101.991
⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
⌊>	Ge-1	72	97.947
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	99.151
⌈	Pb	208	
⌊>	Tm-1	169	102.291
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	97.947
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	99.151
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	102.291
	Pd	106	
	Kr	83	

Sample ID: H64F0L
Sample Description: G6F090000-308 LCSD
Batch ID: 6160308
Sample Date/Time: Monday, June 19, 2006 21:16:29
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\H64F0L.027
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 102
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			1623644.867	ug/L	1714487.639
>	6	Li-1			575865.924	ug/L	572210.075
	9	Be	190.122002	0.079	60723.992	ug/L	3.333
	44	Ca	1133.396970	0.484	459339.749	ug/L	24784.727
	52	Cr	197.864875	0.678	2307999.665	ug/L	38889.903
	55	Mn	199.059041	0.417	3779888.476	ug/L	2545.037
	60	Ni	196.692529	0.504	616954.179	ug/L	112.397
	65	Cu	195.335073	1.085	582861.910	ug/L	132.698
	68	Zn	194.306228	0.489	207186.225	ug/L	3805.163
>	72	Ge-1			1166273.296	ug/L	1213754.576
	111	Cd	190.065449	0.676	415833.098	ug/L	21.179
	121	Sb	47.973784	0.822	333545.093	ug/L	1102.403
	135	Ba	201.026458	1.088	367996.653	ug/L	200.336
>	115	In-1			1130747.278	ug/L	1151524.429
	208	Pb	199.337030	2.085	4328351.575	ug/L	1000.022
>	169	Tm-1			682268.527	ug/L	673316.641
	50	Cr	186.795051	1.421	46092.581	ug/L	-222.100
	53	Cr	145.013857	0.690	123410.031	ug/L	56302.737
	61	Ni	197.536752	0.958	12272.719	ug/L	2583.734
	63	Cu	193.129980	0.429	442302.404	ug/L	85.335
	67	Zn	181.600521	0.664	18657.198	ug/L	2270.494
	66	Zn	187.048355	0.828	103744.629	ug/L	1729.481
>	72	Ge			1166273.296	ug/L	1213754.576
	108	Cd	187.313216	0.822	28724.667	ug/L	5.594
	114	Cd	188.986188	0.721	977223.906	ug/L	47.959
>	115	In			1130747.278	ug/L	1151524.429
	208	207.977	203.240831	3.232	2242512.980	ug/L	502.348
	207	Pb	204.796645	1.578	938432.144	ug/L	238.670
	206	Pb	188.167953	0.386	1147406.451	ug/L	259.004
>	169	Tm			682268.527	ug/L	673316.641
	106	Pd	190.996575	0.957	36823.995	ug/L	8.333
	83	Kr	47.585994	131.949	931.050	ug/L	908.047

Internal Standard Recoveries

Analyte	Mass	Int Std	% Recovery

	Sc	45	
⌈>	Li-1	6	100.639
L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
⌊>	Ge-1	72	96.088
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	98.196
⌈	Pb	208	
⌊>	Tm-1	169	101.330
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	96.088
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	98.196
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	101.330
	Pd	106	
	Kr	83	

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

Sample ID: Rinse
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 21:20:07
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\Rinse.028
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1612851.275	ug/L	1714487.639
>	6	Li-1			578426.043	ug/L	572210.075
	9	Be	0.008233	114.600	6.000	ug/L	3.333
	44	Ca	-0.272222	338.773	23905.281	ug/L	24784.727
	52	Cr	0.313096	5.054	41299.240	ug/L	38889.903
	55	Mn	-0.005310	32.250	2363.986	ug/L	2545.037
	60	Ni	-0.000740	583.443	106.542	ug/L	112.397
	65	Cu	-0.004715	31.925	114.365	ug/L	132.698
	68	Zn	-0.172156	163.036	3503.704	ug/L	3805.163
>	72	Ge-1			1175870.826	ug/L	1213754.576
	111	Cd	-0.002418	125.050	15.419	ug/L	21.179
	121	Sb	0.167742	12.896	2230.952	ug/L	1102.403
	135	Ba	0.012563	103.071	218.336	ug/L	200.336
>	115	In-1			1123543.042	ug/L	1151524.429
	208	Pb	0.004280	63.792	1088.360	ug/L	1000.022
>	169	Tm-1			671325.516	ug/L	673316.641
	50	Cr	-0.020118	753.148	-220.080	ug/L	-222.100
	53	Cr	-5.024894	29.138	52125.553	ug/L	56302.737
	61	Ni	-4.268665	11.590	2289.839	ug/L	2583.734
	63	Cu	-0.002171	199.744	77.668	ug/L	85.335
	67	Zn	-0.820688	79.395	2124.723	ug/L	2270.494
	66	Zn	-0.195127	222.672	1567.399	ug/L	1729.481
>	72	Ge			1175870.826	ug/L	1213754.576
	108	Cd	0.018419	78.598	8.260	ug/L	5.594
	114	Cd	0.003614	23.653	65.367	ug/L	47.959
>	115	In			1123543.042	ug/L	1151524.429
	208	207.977	0.007142	39.444	578.352	ug/L	502.348
	207	Pb	-0.001529	204.902	231.003	ug/L	238.670
	206	Pb	0.003465	86.839	279.004	ug/L	259.004
>	169	Tm			671325.516	ug/L	673316.641
	106	Pd	-0.013834	78.062	5.667	ug/L	8.333
	83	Kr	-42.069072	154.924	887.712	ug/L	908.047

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery

	Sc	45	
⌈>	Li-1	6	101.086
⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
⌊>	Ge-1	72	96.879
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	97.570
⌈	Pb	208	
⌊>	Tm-1	169	99.704
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	96.879
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	97.570
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	99.704
	Pd	106	
	Kr	83	

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

Sample ID: H64F0B
Sample Description: G6F090000-308 BLK
Batch ID: 6160308
Sample Date/Time: Monday, June 19, 2006 21:23:48
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\H64F0B.029
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 20
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			1633469.804	ug/L	1714487.639
>	6	Li-1			576429.365	ug/L	572210.075
	9	Be	-0.002143	337.939	2.667	ug/L	3.333
	44	Ca	0.268153	540.605	24473.514	ug/L	24784.727
	52	Cr	-1.068267	2.281	25696.347	ug/L	38889.903
	55	Mn	0.444356	2.300	11131.410	ug/L	2545.037
	60	Ni	0.107044	6.455	453.879	ug/L	112.397
	65	Cu	0.051173	16.761	286.466	ug/L	132.698
	68	Zn	0.491400	35.758	4267.374	ug/L	3805.163
>	72	Ge-1			1193634.221	ug/L	1213754.576
	111	Cd	-0.003694	48.002	12.928	ug/L	21.179
	121	Sb	-0.050485	7.588	746.365	ug/L	1102.403
	135	Ba	-0.037973	8.649	129.668	ug/L	200.336
>	115	In-1			1152123.413	ug/L	1151524.429
	208	Pb	0.050268	6.562	2147.769	ug/L	1000.022
>	169	Tm-1			696439.745	ug/L	673316.641
	50	Cr	0.907969	12.761	11.941	ug/L	-222.100
	53	Cr	-69.829726	2.336	21218.929	ug/L	56302.737
	61	Ni	-5.496972	15.347	2262.486	ug/L	2583.734
	63	Cu	0.049891	16.821	200.673	ug/L	85.335
	67	Zn	-9.513949	8.906	1350.293	ug/L	2270.494
	66	Zn	0.625746	36.140	2049.006	ug/L	1729.481
>	72	Ge			1193634.221	ug/L	1213754.576
	108	Cd	-0.011856	89.459	3.753	ug/L	5.594
	114	Cd	-0.003786	28.386	28.060	ug/L	47.959
>	115	In			1152123.413	ug/L	1151524.429
	208	207.977	0.054112	6.287	1128.739	ug/L	502.348
	207	Pb	0.051468	10.515	487.347	ug/L	238.670
	206	Pb	0.042409	5.500	531.683	ug/L	259.004
>	169	Tm			696439.745	ug/L	673316.641
	106	Pd	-0.006917	150.000	7.000	ug/L	8.333
	83	Kr	-68.965472	113.934	874.710	ug/L	908.047

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery

	Sc	45	
>	Li-1	6	100.737
	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
>	Ge-1	72	98.342
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.052
	Pb	208	
>	Tm-1	169	103.434
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
>	Ge	72	98.342
	Cd	108	
	Cd	114	
>	In	115	100.052
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	103.434
	Pd	106	
	Kr	83	

Sample ID: H6LT9
Sample Description: G6F020224-1
Batch ID: 6160308
Sample Date/Time: Monday, June 19, 2006 21:27:25
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\H6LT9.030
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
	45	Sc			1629628.128	ug/L	1714487.639
>	6	Li-1			578731.425	ug/L	572210.075
	9	Be	0.007159	132.705	5.667	ug/L	3.333
	44	Ca	396.191627	0.910	181027.190	ug/L	24784.727
	52	Cr	1.046078	5.753	50767.208	ug/L	38889.903
	55	Mn	7.077783	0.995	140613.871	ug/L	2545.037
	60	Ni	0.952750	2.784	3183.192	ug/L	112.397
	65	Cu	24.866989	0.520	76411.207	ug/L	132.698
	68	Zn	5.400878	5.195	9576.575	ug/L	3805.163
>	72	Ge-1			1199178.993	ug/L	1213754.576
	111	Cd	0.037495	12.886	103.440	ug/L	21.179
	121	Sb	-0.014971	25.501	984.722	ug/L	1102.403
	135	Ba	2.421734	0.328	4655.572	ug/L	200.336
>	115	In-1			1137567.121	ug/L	1151524.429
	208	Pb	2.088542	0.234	47091.382	ug/L	1000.022
>	169	Tm-1			692985.505	ug/L	673316.641
	50	Cr	2.914783	14.385	523.254	ug/L	-222.100
	53	Cr	-65.704747	4.216	23340.058	ug/L	56302.737
	61	Ni	-2.099033	57.763	2445.624	ug/L	2583.734
	63	Cu	24.983730	1.594	58903.681	ug/L	85.335
	67	Zn	-4.076276	28.954	1863.223	ug/L	2270.494
	66	Zn	5.311157	3.414	4689.183	ug/L	1729.481
>	72	Ge			1199178.993	ug/L	1213754.576
	108	Cd	0.242338	34.452	42.906	ug/L	5.594
	114	Cd	0.036287	13.624	236.213	ug/L	47.959
>	115	In			1137567.121	ug/L	1151524.429
	208	207.977	2.145416	0.581	24564.099	ug/L	502.348
	207	Pb	2.142776	1.207	10217.630	ug/L	238.670
	206	Pb	1.944841	1.500	12309.654	ug/L	259.004
>	169	Tm			692985.505	ug/L	673316.641
	106	Pd	0.503231	4.872	105.334	ug/L	8.333
	83	Kr	22.758369	229.447	919.048	ug/L	908.047

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery

	Sc	45	
⌈>	Li-1	6	101.140
⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
⌊>	Ge-1	72	98.799
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	98.788
⌈	Pb	208	
⌊>	Tm-1	169	102.921
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	98.799
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	98.788
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	102.921
	Pd	106	
	Kr	83	

Sample ID: H6LT9P5
Sample Description: G6F020224-1 5X
Batch ID: 6160308
Sample Date/Time: Monday, June 19, 2006 21:31:01
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\H6LT9P5.031
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
	45	Sc			1604581.460	ug/L	1714487.639
[>	6	Li-1			577709.165	ug/L	572210.075
[	9	Be	0.000933	510.677	3.667	ug/L	3.333
[	44	Ca	80.430819	1.151	55879.531	ug/L	24784.727
	52	Cr	0.501596	7.914	44036.540	ug/L	38889.903
	55	Mn	1.434271	1.358	30290.343	ug/L	2545.037
	60	Ni	0.193776	5.579	730.835	ug/L	112.397
	65	Cu	4.920425	1.062	15119.994	ug/L	132.698
	68	Zn	0.919773	40.601	4716.944	ug/L	3805.163
[>	72	Ge-1			1190942.168	ug/L	1213754.576
[	111	Cd	0.006571	107.881	34.999	ug/L	21.179
	121	Sb	-0.085099	2.905	490.347	ug/L	1102.403
	135	Ba	0.480711	3.292	1071.066	ug/L	200.336
[>	115	In-1			1125227.324	ug/L	1151524.429
[	208	Pb	0.417136	2.954	10039.566	ug/L	1000.022
[>	169	Tm-1			680229.562	ug/L	673316.641
[	50	Cr	0.562559	15.032	-75.545	ug/L	-222.100
	53	Cr	-13.767031	16.379	48523.935	ug/L	56302.737
	61	Ni	-4.419663	34.686	2311.522	ug/L	2583.734
	63	Cu	5.002417	0.403	11780.497	ug/L	85.335
	67	Zn	-1.824565	48.797	2058.679	ug/L	2270.494
	66	Zn	0.890600	32.651	2193.105	ug/L	1729.481
[>	72	Ge			1190942.168	ug/L	1213754.576
[	108	Cd	0.033703	158.461	10.619	ug/L	5.594
	114	Cd	0.003306	25.458	63.870	ug/L	47.959
[>	115	In			1125227.324	ug/L	1151524.429
[	208	207.977	0.430702	4.195	5245.239	ug/L	502.348
	207	Pb	0.433284	4.145	2220.282	ug/L	238.670
	206	Pb	0.380445	1.372	2574.045	ug/L	259.004
[>	169	Tm			680229.562	ug/L	673316.641
	106	Pd	0.114134	15.963	30.333	ug/L	8.333
	83	Kr	34.482539	189.864	924.716	ug/L	908.047

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery

	Sc	45	
⌈>	Li-1	6	100.961
⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
⌊>	Ge-1	72	98.121
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	97.716
⌈	Pb	208	
⌊>	Tm-1	169	101.027
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	98.121
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	97.716
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	101.027
	Pd	106	
	Kr	83	

Sample ID: H6LT9Z
Sample Description: G6F020224-1 PS
Batch ID: 6160308
Sample Date/Time: Monday, June 19, 2006 21:34:37
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\H6LT9Z.032
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
	45	Sc			1579646.812	ug/L	1714487.639
>	6	Li-1			574101.062	ug/L	572210.075
	9	Be	198.958932	0.645	63351.182	ug/L	3.333
	44	Ca	1449.276958	1.520	584882.771	ug/L	24784.727
	52	Cr	198.089112	1.257	2327153.336	ug/L	38889.903
	55	Mn	203.703698	0.765	3895765.713	ug/L	2545.037
	60	Ni	195.527541	0.829	617701.105	ug/L	112.397
	65	Cu	216.953079	0.992	652013.993	ug/L	132.698
	68	Zn	199.731923	0.692	214398.949	ug/L	3805.163
>	72	Ge-1			1174637.079	ug/L	1213754.576
	111	Cd	194.779279	0.176	423103.926	ug/L	21.179
	121	Sb	48.854249	1.280	337209.073	ug/L	1102.403
	135	Ba	206.008870	1.422	374403.763	ug/L	200.336
>	115	In-1			1122657.306	ug/L	1151524.429
	208	Pb	204.069695	1.434	4473749.860	ug/L	1000.022
>	169	Tm-1			688775.774	ug/L	673316.641
	50	Cr	189.683913	2.209	47142.843	ug/L	-222.100
	53	Cr	150.844833	3.245	127098.567	ug/L	56302.737
	61	Ni	195.502056	3.555	12259.009	ug/L	2583.734
	63	Cu	213.216380	1.413	491804.330	ug/L	85.335
	67	Zn	189.019178	1.251	19468.458	ug/L	2270.494
	66	Zn	192.366751	0.513	107414.546	ug/L	1729.481
>	72	Ge			1174637.079	ug/L	1213754.576
	108	Cd	190.190753	0.984	28957.007	ug/L	5.594
	114	Cd	193.899495	0.273	995468.489	ug/L	47.959
>	115	In			1122657.306	ug/L	1151524.429
	208	207.977	208.523870	1.572	2323252.502	ug/L	502.348
	207	Pb	210.522640	1.206	973898.621	ug/L	238.670
	206	Pb	191.157905	1.561	1176598.736	ug/L	259.004
>	169	Tm			688775.774	ug/L	673316.641
	106	Pd	194.747744	0.307	37547.054	ug/L	8.333
	83	Kr	-16.551808	589.089	900.046	ug/L	908.047

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery

	Sc	45	
⌈>	Li-1	6	100.330
⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
⌊>	Ge-1	72	96.777
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	97.493
⌈	Pb	208	
⌊>	Tm-1	169	102.296
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	96.777
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	97.493
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	102.296
	Pd	106	
	Kr	83	

Sample ID: CCV 4
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 21:38:15
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\CCV 4.033
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1554936.208	ug/L	1714487.639
->	6	Li-1			561844.547	ug/L	572210.075
	9	Be	101.634478	1.306	31671.888	ug/L	3.333
	44	Ca	4871.411965	1.277	1881950.354	ug/L	24784.727
	52	Cr	100.621399	0.562	1183421.664	ug/L	38889.903
	55	Mn	98.950016	0.781	1866503.014	ug/L	2545.037
	60	Ni	96.720876	0.446	301234.313	ug/L	112.397
	65	Cu	96.421892	0.406	285698.569	ug/L	132.698
	68	Zn	97.191442	1.141	104694.975	ug/L	3805.163
->	72	Ge-1			1157809.196	ug/L	1213754.576
	111	Cd	100.786170	1.532	214276.147	ug/L	21.179
	121	Sb	50.637829	1.476	342028.090	ug/L	1102.403
	135	Ba	100.289142	1.911	178477.026	ug/L	200.336
->	115	In-1			1098790.622	ug/L	1151524.429
	208	Pb	101.967115	1.812	2156010.806	ug/L	1000.022
->	169	Tm-1			664130.966	ug/L	673316.641
	50	Cr	102.419034	3.350	24990.650	ug/L	-222.100
	53	Cr	100.104311	4.211	101200.468	ug/L	56302.737
	61	Ni	95.368005	2.194	7156.853	ug/L	2583.734
	63	Cu	97.546409	0.629	221819.616	ug/L	85.335
	67	Zn	98.662856	1.459	11051.843	ug/L	2270.494
	66	Zn	95.346242	0.801	53308.859	ug/L	1729.481
->	72	Ge			1157809.196	ug/L	1213754.576
	108	Cd	98.833719	1.794	14728.605	ug/L	5.594
	114	Cd	100.171652	1.565	503298.848	ug/L	47.959
->	115	In			1098790.622	ug/L	1151524.429
	208	207.977	102.093772	2.510	1097037.968	ug/L	502.348
	207	Pb	102.868013	1.831	458977.979	ug/L	238.670
	206	Pb	101.060820	1.085	599994.860	ug/L	259.004
->	169	Tm			664130.966	ug/L	673316.641
	106	Pd	97.202828	0.730	18744.724	ug/L	8.333
	83	Kr	39.310239	257.250	927.049	ug/L	908.047

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery

	Sc	45	
>	Li-1	6	98.189
	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
>	Ge-1	72	95.391
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	95.421
	Pb	208	
>	Tm-1	169	98.636
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
>	Ge	72	95.391
	Cd	108	
	Cd	114	
>	In	115	95.421
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.636
	Pd	106	
	Kr	83	

Sample ID: CCB 4
Sample Description:
Batch ID:
Sample Date/Time: Monday, June 19, 2006 21:41:54
Method File: C:\elandata\Method\6160308R.mth
Dataset File: c:\elandata\dataset\060619a1\CCB 4.034
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1582157.410	ug/L	1714487.639
>	6	Li-1			571302.420	ug/L	572210.075
	9	Be	0.002117	147.933	4.000	ug/L	3.333
	44	Ca	3.326509	46.107	25227.992	ug/L	24784.727
	52	Cr	0.174952	19.538	39589.363	ug/L	38889.903
	55	Mn	0.105479	3.722	4471.476	ug/L	2545.037
	60	Ni	0.075257	2.502	345.902	ug/L	112.397
	65	Cu	0.032392	2.511	225.356	ug/L	132.698
	68	Zn	-0.336292	59.347	3321.298	ug/L	3805.163
>	72	Ge-1			1172603.664	ug/L	1213754.576
	111	Cd	0.002738	83.995	26.633	ug/L	21.179
	121	Sb	0.046622	35.375	1397.445	ug/L	1102.403
	135	Ba	0.010885	161.730	215.336	ug/L	200.336
>	115	In-1			1123989.978	ug/L	1151524.429
	208	Pb	0.012000	31.011	1263.035	ug/L	1000.022
>	169	Tm-1			676755.393	ug/L	673316.641
	50	Cr	-0.083490	20.079	-235.386	ug/L	-222.100
	53	Cr	-0.883134	208.398	53969.120	ug/L	56302.737
	61	Ni	-5.186813	17.370	2237.801	ug/L	2583.734
	63	Cu	0.034537	20.900	162.004	ug/L	85.335
	67	Zn	0.226146	337.006	2214.118	ug/L	2270.494
	66	Zn	-0.331502	83.689	1488.690	ug/L	1729.481
>	72	Ge			1172603.664	ug/L	1213754.576
	108	Cd	0.019672	286.897	8.445	ug/L	5.594
	114	Cd	0.005211	48.117	73.558	ug/L	47.959
>	115	In			1123989.978	ug/L	1151524.429
	208	207.977	0.014034	19.243	658.358	ug/L	502.348
	207	Pb	0.006864	50.412	271.004	ug/L	238.670
	206	Pb	0.012180	51.760	333.673	ug/L	259.004
>	169	Tm			676755.393	ug/L	673316.641
	106	Pd	-0.010376	28.868	6.333	ug/L	8.333
	83	Kr	13.103323	742.336	914.381	ug/L	908.047

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery

	Sc	45	
>	Li-1	6	99.841
	Be	9	
	Ca	44	
	Cr	52	
	Mn	55	
	Ni	60	
	Cu	65	
	Zn	68	
>	Ge-1	72	96.610
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	97.609
	Pb	208	
>	Tm-1	169	100.511
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
>	Ge	72	96.610
	Cd	108	
	Cd	114	
>	In	115	97.609
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	100.511
	Pd	106	
	Kr	83	

Mercury

G6F020219/G6F020224

STL Sacramento

RUN SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) | Instrument: STL2 (H03) | Reported: 06/19/06 15:28:08

Sequence: 16JUN06C **Date:** 06/16/06 17:26 **Analyst:** phomsophat **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		06/16/06 17:26		☐
2	Std02Rep1	= 0.200			0.00	1.0	0.00	ug/L		06/16/06 17:28		☐
3	Std03Rep1	= 0.500			0.00	1.0	0.00	ug/L		06/16/06 17:30		☐
4	Std04Rep1	= 1.00			0.00	1.0	0.00	ug/L		06/16/06 17:32		☐
5	Std05Rep1	= 5.00			0.00	1.0	0.00	ug/L		06/16/06 17:34		☐
6	Std06Rep1	= 10.0			0.00	1.0	0.00	ug/L		06/16/06 17:36		☐
7	ICV	= 2.00			2.00	1.0	2.00	ug/L	100.0%	06/16/06 17:44		☐
8	ICB				0.01	1.0	0.01	ug/L		06/16/06 17:46		☐
9	H7KDLB	G6F160000	6167314		0.00	1.0	0.00	ug/L		06/16/06 17:48		☐
10	H7KDLC	G6F160000 = ~~1.80~~ 0.6	6167314		1.03	1.0	0.62	ug/L	~~34.8%~~ 103	06/16/06 17:50	6/20/06	☐
11	H7KDLL	G6F160000 = ~~1.80~~ 0.6	6167314		1.01	1.0	0.61	ug/L	~~33.7%~~ 101	06/16/06 17:52		☐
12	H7KDGB	G6F160000	6167316		0.01	1.0	0.00	ug/L		06/16/06 17:53		☐
13	H7KDGC	G6F160000 = ~~1.80~~ 0.6	6167316		1.01	1.0	0.61	ug/L	~~33.7%~~ 101	06/16/06 17:55		☐
14	H7KDGL	G6F160000 = ~~1.80~~ 0.6	6167316		1.01	1.0	0.61	ug/L	~~33.7%~~ 101	06/16/06 17:57		☐
15	H6LTF	G6F020219-1	6167314	AIR	0.03	1.0	0.02	ug/L		06/16/06 17:59		☐
16	H6LTG	G6F020219-2	6167314	AIR	0.04	1.0	0.03	ug/L		06/16/06 18:02		☐
17	H6LTH	G6F020219-3	6167314	AIR	0.05	1.0	0.03	ug/L		06/16/06 18:03		☐
18	H6LTK	G6F020219-4	6167314	AIR	0.04	1.0	0.02	ug/L		06/16/06 18:05		☐
19	CCV	= 5.00			5.00	1.0	5.00	ug/L	100.0%	06/16/06 18:07		☐
20	CCB				-0.00	1.0	-0.00	ug/L		06/16/06 18:09		☐
21	H6LTL	G6F020219-5	6167314	AIR	0.05	1.0	0.03	ug/L		06/16/06 18:11		☐
22	H6LTM	G6F020219-6	6167314	AIR	0.04	1.0	0.02	ug/L		06/16/06 18:13		☐
23	H6LTN	G6F020219-7	6167314	AIR	0.03	1.0	0.02	ug/L		06/16/06 18:14		☐
24	H6LTQ	G6F020219-8	6167314	AIR	0.02	1.0	0.01	ug/L		06/16/06 18:16		☐
25	H6LTX	G6F020219-10	6167314	AIR	0.04	1.0	0.03	ug/L		06/16/06 18:18		☐
26	H6LT1	G6F020219-11	6167314	AIR	0.04	1.0	0.02	ug/L		06/16/06 18:20		☐
27	H6LT2	G6F020219-12	6167314	AIR	0.05	1.0	0.03	ug/L		06/16/06 18:22		☐
28	H6LT4	G6F020219-13	6167314	AIR	0.02	1.0	0.01	ug/L		06/16/06 18:23		☐
29	H6LT9	G6F020224-1	6167316	AIR	0.03	1.0	0.02	ug/L		06/16/06 18:26		☐
30	H6LVC	G6F020224-2	6167316	AIR	0.04	1.0	0.02	ug/L		06/16/06 18:27		☐
31	CCV	= 5.00			5.00	1.0	5.00	ug/L	100.0%	06/16/06 18:29		☐
32	CCB				0.00	1.0	0.00	ug/L		06/16/06 18:32		☐
33	H6LVD	G6F020224-3	6167316	AIR	0.04	1.0	0.02	ug/L		06/16/06 18:33		☐
34	H6LVE	G6F020224-4	6167316	AIR	0.04	1.0	0.02	ug/L		06/16/06 18:35		☐

STL Sacramento

RUN SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) Instrument: STL2 (H03) Reported: 06/19/06 15:28:08

Sequence: 16JUN06C **Date:** 06/16/06 17:26 **Analyst:** phomsophat **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
35	H6LVF	G6F020224-5	6167316	AIR	0.04	1.0	0.02	ug/L		06/16/06 18:36		☐
36	H6LVH	G6F020224-6	6167316	AIR	0.04	1.0	0.03	ug/L		06/16/06 18:38		☐
37	H6LVK	G6F020224-7	6167316	AIR	0.04	1.0	0.02	ug/L		06/16/06 18:40		☐
38	H6LVL	G6F020224-8	6167316	AIR	0.06	1.0	0.03	ug/L		06/16/06 18:42		☐
39	H6LVM	G6F020224-9	6167316	AIR	0.05	1.0	0.03	ug/L		06/16/06 18:44		☐
40	H6LVN	G6F020224-10	6167316	AIR	0.06	1.0	0.04	ug/L		06/16/06 18:45		☐
41	H6LVQ	G6F020224-11	6167316	AIR	0.06	1.0	0.03	ug/L		06/16/06 18:47		☐
42	H6LVR	G6F020224-12	6167316	AIR	0.06	1.0	0.04	ug/L		06/16/06 18:49		☐
43	CCV	= 5.00			4.95	1.0	4.95	ug/L	99.0%	06/16/06 18:51		☐
44	CCB				-0.01	1.0	-0.01	ug/L		06/16/06 18:52		☐
45	H6LVT	G6F020224-13	6167316	AIR	0.07	1.0	0.04	ug/L		06/16/06 18:54		☐
46	H6LVV	G6F020224-14	6167316	AIR	0.02	1.0	0.01	ug/L		06/16/06 18:56		☐
47	CCV	= 5.00			4.96	1.0	4.96	ug/L	99.2%	06/16/06 18:58		☐
48	CCB				-0.00	1.0	-0.00	ug/L		06/16/06 19:00		☐

STL Sacramento

CALIBRATION CHECK SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) Instrument: STL2 (H03) Reported: 06/19/06 15:29:12

Sequence: 16JUN06C **Date:** 06/16/06 17:44 **Analyst:** phomsophat **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
7	ICV	= 2.00			2.00	1.0	2.00	ug/L	100.0%	06/16/06 17:44		☐
8	ICB				0.01	1.0	0.01	ug/L		06/16/06 17:46		☐
19	CCV	= 5.00			5.00	1.0	5.00	ug/L	100.0%	06/16/06 18:07		☐
20	CCB				-0.00	1.0	-0.00	ug/L		06/16/06 18:09		☐
31	CCV	= 5.00			5.00	1.0	5.00	ug/L	100.0%	06/16/06 18:29		☐
32	CCB				0.00	1.0	0.00	ug/L		06/16/06 18:32		☐
43	CCV	= 5.00			4.95	1.0	4.95	ug/L	99.0%	06/16/06 18:51		☐
44	CCB				-0.01	1.0	-0.01	ug/L		06/16/06 18:52		☐
47	CCV	= 5.00			4.96	1.0	4.96	ug/L	99.2%	06/16/06 18:58		☐
48	CCB				-0.00	1.0	-0.00	ug/L		06/16/06 19:00		☐

WinHg Database 1.5

File Utility Help

Protocol STL2 Dataset/Proto 16JUN06C/STL2

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

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 2.75907e-4

C 1.41071e-3

Rho .999970

Type Linear

☑ Calibrated

☑ Accepted

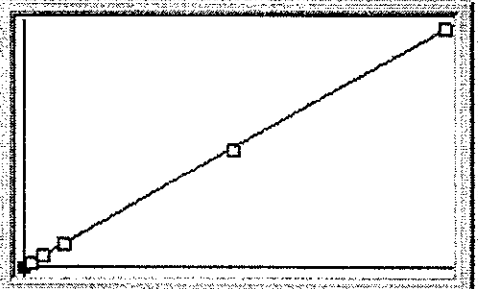
Accept

µ Abs.

36335

Accepted

New



Include S1 Rep 1☑ 2☐ 3☐ 4☐ 5☐

16-Jun-06 17:39 Conc. 10.0

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	.007	.007	22	0	21		
02	.20000	.192	-.008	693	0%	692		
03	.50000	.512	.012	1852	0%	1851		
04	1.0000	1.02	.021	3695	0%	3695		
05	5.0000	4.94	-.059	17903	0%	17903		
06	10.000	10.0	.026	36335	0%	36335		

Ready CAP NUM

CHEMIST INITIAL: TP
DATE OF RUN: 6/16/06
INSTRUMENT ID.: H03
TYPE OF ANALYSIS: Hg
CALIBRATION STD.: 1767-20-6
ICV STD.: 1767-20-7
CCV STD.: 1767-20-6

POST-RUN REPORT

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

*** Standard: 1 Rep: 1 Seq: 1 17:26:35 16 Jun 06 HG

Hg .000 ug/L 21

*** Standard: 2 Rep: 1 Seq: 2 17:28:33 16 Jun 06 HG

Hg .200 ug/L 692

*** Standard: 3 Rep: 1 Seq: 3 17:30:20 16 Jun 06 HG

Hg .500 ug/L 1851

*** Standard: 4 Rep: 1 Seq: 4 17:32:18 16 Jun 06 HG

Hg 1.00 ug/L 3695

*** Standard: 5 Rep: 1 Seq: 5 17:34:18 16 Jun 06 HG

Hg 5.00 ug/L 17903

*** Standard: 6 Rep: 1 Seq: 6 17:36:05 16 Jun 06 HG

Hg 10.0 ug/L 36335

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1	17:26:35 16 Jun 06	HG		
Hg	.000	ug/L	21					
*** Standard: 2 Rep: 1				Seq: 2	17:28:33 16 Jun 06	HG		
Hg	.200	ug/L	692					
*** Standard: 3 Rep: 1				Seq: 3	17:30:20 16 Jun 06	HG		
Hg	.500	ug/L	1851					
*** Standard: 4 Rep: 1				Seq: 4	17:32:18 16 Jun 06	HG		
Hg	1.00	ug/L	3695					
*** Standard: 5 Rep: 1				Seq: 5	17:34:18 16 Jun 06	HG		
Hg	5.00	ug/L	17903					
*** Standard: 6 Rep: 1				Seq: 6	17:36:05 16 Jun 06	HG		
Hg	10.0	ug/L	36335					
*** Sample ID: ICV				Seq: 7	17:44:36 16 Jun 06	HG		
Hg	2.00	ug/L	.000 %	2.00	100%			
*** Sample ID: ICB				Seq: 8	17:46:33 16 Jun 06	HG		
Hg	.012	ug/L	.000 %	.012				
*** Sample ID: H7KDLB				Seq: 9	17:48:10 16 Jun 06	HG		
			G6F160000-314					
Hg	.005	ug/L	.000 %	.005				
*** Sample ID: H7KDLC				Seq: 10	17:50:28 16 Jun 06	HG		
			G6F160000-314					
Hg	1.03	ug/L	.000 %	1.03	103%			
*** Sample ID: H7KDLL				Seq: 11	17:52:07 16 Jun 06	HG		
			G6F160000-314					
Hg	1.01	ug/L	.000 %	1.01	101%			
*** Sample ID: H7KDGB				Seq: 12	17:53:44 16 Jun 06	HG		
			G6F160000-316					
Hg	.008	ug/L	.000 %	.008				
*** Sample ID: H7KDGC				Seq: 13	17:55:55 16 Jun 06	HG		
			G6F160000-316					
Hg	1.01	ug/L	.000 %	1.01	101%			

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

*** Sample ID: H7KDGL Seq: 14 17:57:34 16 Jun 06 HG
G6F160000-316

Hg	1.01	ug/L	.000 %	1.01	101%

*** Sample ID: H6LTF Seq: 15 17:59:23 16 Jun 06 HG
G6F020219-1

Hg	.032	ug/L	.000 %	.032	

*** Sample ID: H6LTG Seq: 16 18:02:02 16 Jun 06 HG
G6F020219-2

Hg	.042	ug/L	.000 %	.042	

*** Sample ID: H6LTH Seq: 17 18:03:39 16 Jun 06 HG
G6F020219-3

Hg	.050	ug/L	.000 %	.050	

*** Sample ID: H6LTK Seq: 18 18:05:35 16 Jun 06 HG
G6F020219-4

Hg	.039	ug/L	.000 %	.039	

*** Sample ID: CCV Seq: 19 18:07:41 16 Jun 06 HG

Hg	5.00	ug/L	.000 %	5.00	100%

*** Sample ID: CCB Seq: 20 18:09:18 16 Jun 06 HG

Hg	-.004	ug/L	.000 %	-.004	

*** Sample ID: H6LTL Seq: 21 18:11:25 16 Jun 06 HG
G6F020219-5

Hg	.045	ug/L	.000 %	.045	

*** Sample ID: H6LTM Seq: 22 18:13:22 16 Jun 06 HG
G6F020219-6

Hg	.035	ug/L	.000 %	.035	

*** Sample ID: H6LTN Seq: 23 18:14:58 16 Jun 06 HG
G6F020219-7

Hg	.031	ug/L	.000 %	.031	

*** Sample ID: H6LTQ Seq: 24 18:16:34 16 Jun 06 HG
G6F020219-8

Hg	.019	ug/L	.000 %	.019	

*** Sample ID: H6LTX Seq: 25 18:18:55 16 Jun 06 HG
G6F020219-10

Hg	.042	ug/L	.000 %	.042	

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

*** Sample ID: H6LT1 Seq: 26 18:20:32 16 Jun 06 HG
G6F020219-11
Hg .036 ug/L .000 % .036

*** Sample ID: H6LT2 Seq: 27 18:22:09 16 Jun 06 HG
G6F020219-12
Hg .052 ug/L .000 % .052

*** Sample ID: H6LT4 Seq: 28 18:23:47 16 Jun 06 HG
G6F020219-13
Hg .022 ug/L .000 % .022

*** Sample ID: H6LT9 Seq: 29 18:26:04 16 Jun 06 HG
G6F020224-1
Hg .031 ug/L .000 % .031

*** Sample ID: H6LVC Seq: 30 18:27:53 16 Jun 06 HG
G6F020224-2
Hg .041 ug/L .000 % .041

*** Sample ID: CCV Seq: 31 18:29:45 16 Jun 06 HG
Hg 5.00 ug/L .000 % 5.00 100%

*** Sample ID: CCB Seq: 32 18:32:06 16 Jun 06 HG
Hg .003 ug/L .000 % .003

*** Sample ID: H6LVD Seq: 33 18:33:43 16 Jun 06 HG
G6F020224-3
Hg .038 ug/L .000 % .038

*** Sample ID: H6LVE Seq: 34 18:35:20 16 Jun 06 HG
G6F020224-4
Hg .039 ug/L .000 % .039

*** Sample ID: H6LVF Seq: 35 18:36:59 16 Jun 06 HG
G6F020224-5
Hg .041 ug/L .000 % .041

*** Sample ID: H6LVH Seq: 36 18:38:39 16 Jun 06 HG
G6F020224-6
Hg .044 ug/L .000 % .044

*** Sample ID: H6LVK Seq: 37 18:40:21 16 Jun 06 HG
G6F020224-7
Hg .037 ug/L .000 % .037

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

*** Sample ID: H6LVL Seq: 38 18:42:05 16 Jun 06 HG
G6F020224-8
Hg .056 ug/L .000 % .056

*** Sample ID: H6LVM Seq: 39 18:44:04 16 Jun 06 HG
G6F020224-9
Hg .054 ug/L .000 % .054

*** Sample ID: H6LVN Seq: 40 18:45:56 16 Jun 06 HG
G6F020224-10
Hg .064 ug/L .000 % .064

*** Sample ID: H6LVQ Seq: 41 18:47:35 16 Jun 06 HG
G6F020224-11
Hg .058 ug/L .000 % .058

*** Sample ID: H6LVR Seq: 42 18:49:13 16 Jun 06 HG
G6F020224-12
Hg .065 ug/L .000 % .065

*** Sample ID: CCV Seq: 43 18:51:15 16 Jun 06 HG
Hg 4.95 ug/L .000 % 4.95 99%

*** Sample ID: CCB Seq: 44 18:52:53 16 Jun 06 HG
Hg -.008 ug/L .000 % -.008

*** Sample ID: H6LVT Seq: 45 18:54:44 16 Jun 06 HG
G6F020224-13
Hg .067 ug/L .000 % .067

*** Sample ID: H6LVV Seq: 46 18:56:54 16 Jun 06 HG
G6F020224-14
Hg .023 ug/L .000 % .023

*** Sample ID: CCV Seq: 47 18:58:53 16 Jun 06 HG
Hg 4.96 ug/L .000 % 4.96 99%

*** Sample ID: CCB Seq: 48 19:00:37 16 Jun 06 HG
Hg -.005 ug/L .000 % -.005

STL Sacramento
Hg Data Review Checklist

SEVERN TRENT STL

Run Date: TP 6/16/06 **Analyst:** TP **Instrument** H03

Prep Batches Run: 6167314 / 6167316

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

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

Analyst: TP Date: 6/19/06

Comments:

2nd Level Reviewer: _____ Date: _____

Comments:

q:\forms\checklists\qa-506_hg_review.doc

QA-506 Hg Review
ERS 7/13/04

Sample Preparation Log

STL SACRAMENTO
Metals - Air Toxics - Preparation Log

Date: 9-Jun-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
G6F090000	308	H64F0B	2A	NA	NA	NA	100	6160308	1.2
G6F090000	308	H64F0C	2A	NA	NA	NA	100	6160308	1.2
G6F090000	308	H64F0L	2A	NA	NA	NA	100	6160308	1.2
G6F020224	1	H6LT9	2A	9	0.75	0.75	100	6160308	1.2
G6F020224	2	H6LVC	2A	9	0.75	0.75	100	6160308	1.2
G6F020224	3	H6LVD	2A	9	0.75	0.75	100	6160308	1.2
G6F020224	4	H6LVE	2A	9	0.75	0.75	100	6160308	1.2
G6F020224	5	H6LVF	2A	9	0.75	0.75	100	6160308	1.2
G6F020224	6	H6LVH	2A	9	0.75	0.75	100	6160308	1.2
G6F020224	7	H6LVK	2A	9	0.75	0.75	100	6160308	1.2
G6F020224	8	H6LVL	2A	9	0.75	0.75	100	6160308	1.2
G6F020224	9	H6LVM	2A	9	0.75	0.75	100	6160308	1.2
G6F020224	10	H6LVN	2A	9	0.75	0.75	100	6160308	1.2
G6F020224	11	H6LVQ	2A	9	0.75	0.75	100	6160308	1.2
G6F020224	12	H6LVR	2A	9	0.75	0.75	100	6160308	1.2
G6F020224	13	H6LVT	2A	9	0.75	0.75	100	6160308	1.2
G6F020224	14	H6LVV	2A	9	0.75	0.75	100	6160308	1.2
Mbcontrol	1	F1815158	2A	9	0.75	0.75	100	6160308	1.2

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

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QA-372B mlt 02/20/03

STL Sacramento
Metals Preparation Spiking
Documentation Form

SEVERN TRENT STL

Lot # G6F020224

Batch Number: 6160308 Method: 6020 Spiked Date: 06/09/06

MS Run #: N/A Prep Code: 2A Hot Plate Microwave ID: 4

Analyst Initial/Date: 06/09/06 NM Witness Initial/Date: TP 6/9/06 Hot Plate Temp: 90

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
	ICP Part 1 5% HNO_3	Ca, Mg 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				
	ICP Part 2 2% $HN0_3$	K,Na P,S B,Li,Sr	5,000 1,000 100				
	Si H20/Tr HF	Si	1,000		06/09/06 NM		
	XCAL-45 5% $HN0_3$	Al,K,Mg,Ca,Na,Fe,P,B,Si As,Be,Cd,Cr,Co,Cu,Pb, Mn,Mo,Ni,Se,U,V,Zn,Ba, Li Sn,Sr,Ti Sb,Ag,Tl	50 10 2.5	1774-Med 7-8	2.0ml	N/A	11/07
	Misc. Elements				06/09/06 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	06/09/06 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 ERS 4/15/05

STL SACRAMENTO
Metals - Air Toxics - Preparation Log

Date: 9-Jun-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
G6F090000	312	H64GVB	2A	NA	NA	NA	100	6160312	1.2
G6F090000	312	H64GVC	2A	NA	NA	NA	100	6160312	1.2
G6F090000	312	H64GVL	2A	NA	NA	NA	100	6160312	1.2
G6F020224	1	H6LT9	2A	9	0.75	0.75	100	6160312	1.2
G6F020224	2	H6LVC	2A	9	0.75	0.75	100	6160312	1.2
G6F020224	3	H6LVD	2A	9	0.75	0.75	100	6160312	1.2
G6F020224	4	H6LVE	2A	9	0.75	0.75	100	6160312	1.2
G6F020224	5	H6LVF	2A	9	0.75	0.75	100	6160312	1.2
G6F020224	6	H6LVH	2A	9	0.75	0.75	100	6160312	1.2
G6F020224	7	H6LVK	2A	9	0.75	0.75	100	6160312	1.2
G6F020224	8	H6LVL	2A	9	0.75	0.75	100	6160312	1.2
G6F020224	8	H6LVL	2A	9	0.75	0.75	100	6160312	1.2
G6F020224	9	H6LVM	2A	9	0.75	0.75	100	6160312	1.2
G6F020224	10	H6LVN	2A	9	0.75	0.75	100	6160312	1.2
G6F020224	11	H6LVQ	2A	9	0.75	0.75	100	6160312	1.2
G6F020224	12	H6LVR	2A	9	0.75	0.75	100	6160312	1.2
G6F020224	13	H6LVT	2A	9	0.75	0.75	100	6160312	1.2
G6F020224	14	H6LVV	2A	9	0.75	0.75	100	6160312	1.2
Mbcontrol	1	F1815158	2A	9	0.75	0.75	100	6160312	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 # G6F020224

Batch Number: 6160312 Method: 6010 Spiked Date: 06/09/06

MS Run #: N/A Prep Code: 2A Hot Plate Microwave ID: 4

Analyst Initial/Date: 06/09/06 NM Witness Initial/Date: TP 6/9/06 Hot Plate Temp: 90

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
	ICP Part 1 5% HNO_3	Ca, Mg 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	1774-Met 7-5	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-Met7-10	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				06/09/06 NM		

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
	70% HNO_3	Mallinckrodt	C 02065		30% H_2O_2	Mallinckrodt	
	37% HCl	Mallinckrodt			49% HF	Fisher	06/09/06 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 ERS 4/15/05

STL Sacramento
Mercury Sample Preparation Log

STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.
0	Std1Rep1	<2	AQUEOUS	50	50
0.2	Std2Rep1	<2	AQUEOUS	50	50
0.5	Std3Rep1	<2	AQUEOUS	50	50
1	Std4Rep1	<2	AQUEOUS	50	50
5	Std5Rep1	<2	AQUEOUS	50	50
10	Std6Rep1	<2	AQUEOUS	50	50
ICV	ICV	<2	AQUEOUS	50	50
ICB	ICB	<2	AQUEOUS	50	50
G6F160000-313	H7KC3B		AQUEOUS	50	50
G6F160000-313	H7KC3C		AQUEOUS	50	50
G6F030201-1	H6N2PS		SOLID	0.6	50
G6F030201-1	H6N2P		SOLID	0.6	50
G6F030201-1	H6N2PD		SOLID	0.6	50
G6F030201-2	H6N2R		SOLID	0.6	50
G6F030201-3	H6N2T		SOLID	0.6	50
G6F160000-316	H7KDGB		AQUEOUS	50	50
G6F160000-316	H7KDGC		AQUEOUS	50	50
G6F160000-316	H7KDGL		AQUEOUS	50	50
G6F020224-1	H6LT9		AIR	0.75	50
G6F020224-2	H6LVC		AIR	0.75	50
G6F020224-3	H6LVD		AIR	0.75	50
G6F020224-4	H6LVE		AIR	0.75	50
G6F020224-5	H6LVF		AIR	0.75	50
G6F020224-6	H6LVH		AIR	0.75	50
G6F020224-7	H6LVK		AIR	0.75	50
G6F020224-8	H6LVL		AIR	0.75	50
G6F020224-9	H6LVM		AIR	0.75	50
G6F020224-11	H6LVQ		AIR	0.75	50
G6F020224-12	H6LVR		AIR	0.75	50
G6F020224-13	H6LVT		AIR	0.75	50
G6F020224-14	H6LVV		AIR	0.75	50
G6F160000-314	H7KDLB		AQUEOUS	50	50
G6F160000-314	H7KDLC		AQUEOUS	50	50
G6F160000-314	H7KDLL		AQUEOUS	50	50
G6F020219-1	H6LTF		AIR	0.75	50
G6F020219-2	H6LTG		AIR	0.75	50
G6F020219-3	H6LTH		AIR	0.75	50
G6F020219-4	H6LTK		AIR	0.75	50

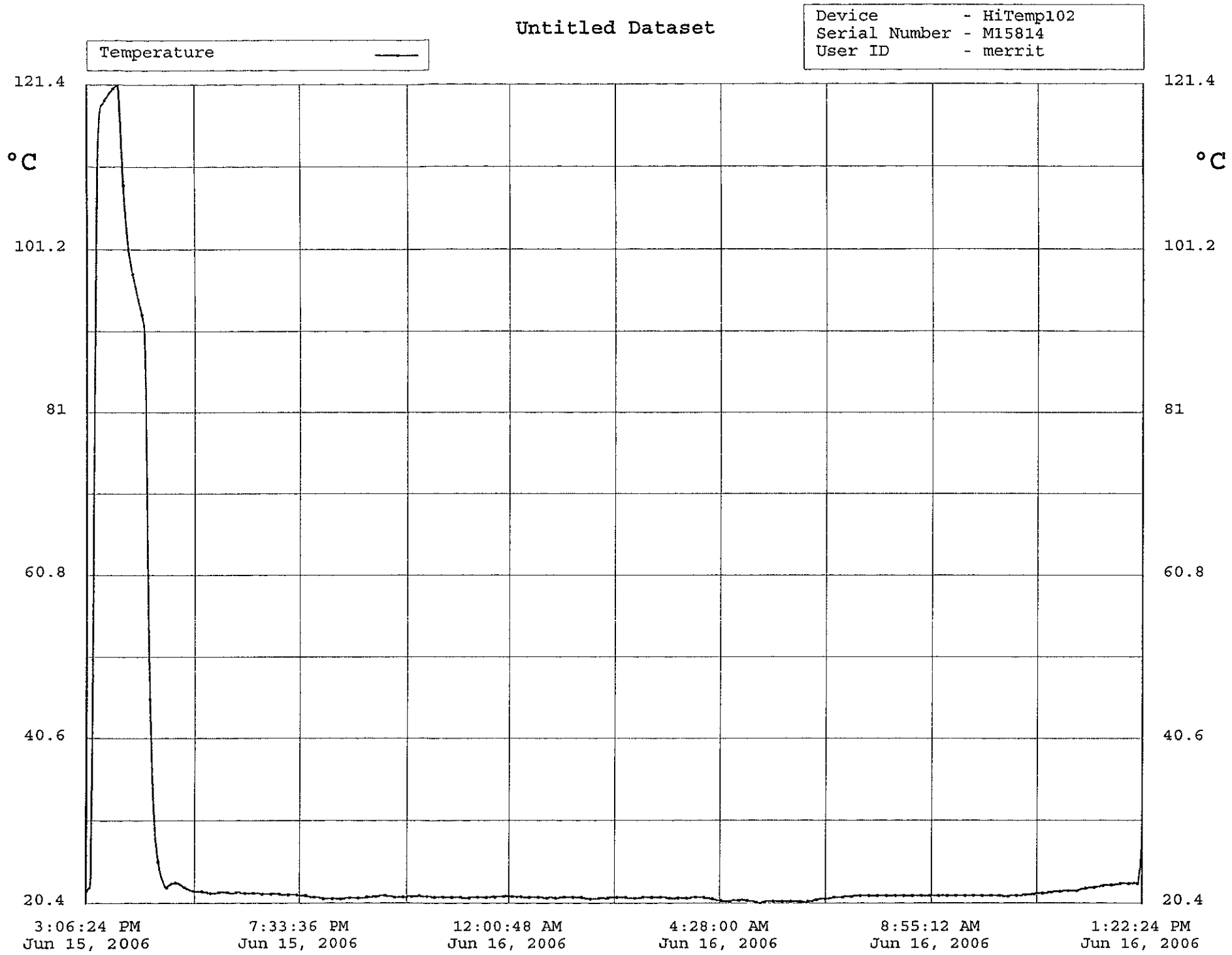
Chemist:	phomsophat	**Date:**	06/15/06
SOP#:	SAC-MT-0005		
Autoclave: Start Time:	15:00		16:00
Balance ID:	QA-007	**Calibrated:**	NA
STANDARDS:			
Initial Calibration Standard (ICV)			
Tracking#	1767-20-7	Conc:	100ppb
Calibration Stds./CCV/Matrix Spike/LCSW			
Tracking#	1767-20-6	Conc:	100ppb

LCS/1.0	500 ul	
MS/SD 1.0	500 ul	
ICV/2.0	1.0 ml	
WATER (30/30ml), DI Leach (30/30)		
STLC (3/30 ml), TCLP (6/30ml)		
Curve/QC (ppb)	Spike Volume	
0.0	0.0 ul	/ Soils 0.0 ul
0.2	60 ul	/ 100 ul
0.5	150 ul	/ 250 ul
1.0	300 ul	/ 0.5 mL
5.0	1.5 ml	/ 2.5 mL
10.0	3.0 ml	/ 5.0 mL
CCV/5.0	1.5 ml	/ 2.5 mL
LCS/1.0	300 ul	/ 0.5 mL
MS/SD 1.0	300 ul	/ 1.5 mL
ICV/2.0	600 ul	/ 1.0 mL
REAGENTS:		
KMnO4 Lot#: 2626-Met-38-7		
K2S2O8 Lot#: 2626-met-40-4		
NaCl(NH2OH)2626-MET-40-5		
Stannous Chloride Lot# 2626-44-3		
H2S04 Lot#C05024		

QA392 Rev.2/21/2003

STL Sacramento
Mercury Sample Preparation Log

STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.	Chemist:	phomsophat	Date:	06/15/06
G6F020219-5	H6LTL		AIR	0.75	50				
G6F020219-6	H6LTM		AIR	0.75	50				
G6F020219-7	H6LTN		AIR	0.75	50				
G6F020219-8	H6LTQ		AIR	0.75	50				
G6F020219-10	H6LTX		AIR	0.75	50				
G6F020219-11	H6LT1		AIR	0.75	50				
G6F020219-12	H6LT2		AIR	0.75	50				
G6F020219-13	H6LT4		AIR	0.75	50				
MDL-MB			AQUEOUS	50	50				
MDL-1	0.2		AQUEOUS	50	50				
MDL-2	0.2		AQUEOUS	50	50				
MDL-3	0.2		AQUEOUS	50	50				
MDL-4	0.2		AQUEOUS	50	50				
MDL-5	0.2		AQUEOUS	50	50				
MDL-6	0.2		AQUEOUS	50	50				
MDL-7	0.2		AQUEOUS	50	50				
MDL-CHECK			AQUEOUS	50	50				
CCV	CCV		AQUEOUS	50	50				
CCB	CCB		AQUEOUS	50	50				
CCV	CCV		AQUEOUS	50	50				
CCB	CCB		AQUEOUS	50	50				
CCV	CCV		AQUEOUS	50	50				
CCB	CCB		AQUEOUS	50	50				


Untitled Dataset
Device - HiTemp102
Serial Number - M15814
User ID - merrit
Temperature
°C
121.4
101.2
81
60.8
40.6
20.4
3:06:24 PM
Jun 15, 2006
7:33:36 PM
Jun 15, 2006
12:00:48 AM
Jun 16, 2006
4:28:00 AM
Jun 16, 2006
8:55:12 AM
Jun 16, 2006
1:22:24 PM
Jun 16, 2006

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

Reading Number	Date and Time	Channel 1 Temperature (°C)
1	2006-06-15 15:06:24	21.9
2	2006-06-15 15:07:24	22.1
3	2006-06-15 15:08:24	22.2
4	2006-06-15 15:09:24	22.2
5	2006-06-15 15:10:24	22.4
6	2006-06-15 15:11:24	23.8
7	2006-06-15 15:12:24	37.7
8	2006-06-15 15:13:24	57.5
9	2006-06-15 15:14:24	73.6
10	2006-06-15 15:15:24	86.6
11	2006-06-15 15:16:24	97.4
12	2006-06-15 15:17:24	106.3
13	2006-06-15 15:18:24	111.4
14	2006-06-15 15:19:24	114.5
15	2006-06-15 15:20:24	116.4
16	2006-06-15 15:21:24	117.8
17	2006-06-15 15:22:24	118.5
18	2006-06-15 15:23:24	118.8
19	2006-06-15 15:24:24	118.9
20	2006-06-15 15:25:24	119
21	2006-06-15 15:26:24	119.1
22	2006-06-15 15:27:24	119.3
23	2006-06-15 15:28:24	119.4
24	2006-06-15 15:29:24	119.6
25	2006-06-15 15:30:24	119.7
26	2006-06-15 15:31:24	119.8
27	2006-06-15 15:32:24	120
28	2006-06-15 15:33:24	120.1
29	2006-06-15 15:34:24	120.3
30	2006-06-15 15:35:24	120.4
31	2006-06-15 15:36:24	120.5
32	2006-06-15 15:37:24	120.6
33	2006-06-15 15:38:24	120.8
34	2006-06-15 15:39:24	120.9
35	2006-06-15 15:40:24	121
36	2006-06-15 15:41:24	121.1
37	2006-06-15 15:42:24	121.2
38	2006-06-15 15:43:24	121.3
39	2006-06-15 15:44:24	121.4
40	2006-06-15 15:45:24	120.7
41	2006-06-15 15:46:24	118.6
42	2006-06-15 15:47:24	116.2
43	2006-06-15 15:48:24	113.6
44	2006-06-15 15:49:24	111.2
45	2006-06-15 15:50:24	109

AIR, PM-10 & TSP

RQC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEET

Run Date: 6/09/06
Time: 14:43:27

STL Sacramento

PRODUCTION FIGURES - WET CHEM

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

METHOD: AO Particulates in Air, Suspended "TSP HiVol" (APP B)
QC BATCH #: **6160459**
PREP DATE: 6/07/06 9:05
COMP DATE: 6/08/06 12:11
USER: VALMORES

INITIALS:
PREP
ANAL

DATA ENTRY:
INITIALS
DATE 6/8/06

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
H6LVL-1-AA	G-6F020224-008	XX S 88 AO 3W	Y-D	6/8/06	000480
H6LVM-1-AD	G-6F020224-009	XX S 88 AO 3W	Y-D		000481
H6LVN-1-AF	G-6F020224-010	XX S 88 AO 3W	Y-D		000482
H6LVQ-1-AF	G-6F020224-011	XX S 88 AO 3W	Y-D		000483
H6LVR-1-AF	G-6F020224-012	XX S 88 AO 3W	Y-D		000484
H6LVT-1-AF	G-6F020224-013	XX S 88 AO 3W	Y-D		000485
H6LVV-1-AF	G-6F020224-014	XX S 88 AO 3W	Y-D		000486

Control Limits

STL Sacramento

Air Toxics Laboratory

SEVERN TRENT STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: G6F020224 - 8 -> 14 Batch #: 6166459

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 6/9/06 ANALYST: SNalmore

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

Completed By & Date: SN 6/9/06

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: GA 6/10/06

Comments: See 1A

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 051806skv0907	5.0004 051806skv1506	4.9997 060706skv0905	5.0002 060806skv1207					-0.0002
	bctsp051806-476	4.3793 051806skv0908	4.3798 051806skv1506							NC
H6LT1	bctsp051806-477	4.3880 051806skv0908	4.3884 051806skv1507	4.5333 060706skv0905	4.5333 060806skv1207					0.1449
H6LT2	bctsp051806-478	4.3814 051806skv0908	4.3819 051806skv1507	4.4183 060706skv0906	4.4184 060806skv1207					0.0365
H6LT4	bctsp051806-479	4.3781 051806skv0909	4.3786 051806skv1507	4.3783 060706skv0906	4.3786 060806skv1208					0.0000
H6LVL	bctsp051806-480	4.3763 051806skv0909	4.3768 051806skv1508	4.4218 060706skv0907	4.4220 060806skv1208					0.0452
H6LVM	bctsp051806-481	4.3949 051806skv0910	4.3953 051806skv1508	4.4289 060706skv0907	4.4292 060806skv1209					0.0339
H6LVN	bctsp051806-482	4.3936 051806skv0910	4.3937 051806skv1509	4.4283 060706skv0908	4.4285 060806skv1209					0.0348
H6LVQ	bctsp051806-483	4.4023 051806skv0910	4.4028 051806skv1509	4.4596 060706skv0908	4.4599 060806skv1209					0.0571
H6LVR	bctsp051806-484	4.3897 051806skv0911	4.3899 051806skv1509	4.4302 060706skv0909	4.4302 060806skv1210					0.0403
H6LVT	bctsp051806-485	4.3780 051806skv0911	4.3783 051806skv1510	4.4179 060706skv0909	4.4183 060806skv1210					0.0400
	5 g wt	5.0000 051806skv0911	5.0003 051806skv1510							NC
H6LVV	bctsp051806-486	4.3938 051806skv0911	4.3941 051806skv1511	4.3947 060706skv0910	4.3946 060806skv1211					0.0005
	bctsp051806-487	4.3817 051806skv0912	4.3814 051806skv1511							NC
	bctsp051806-488	4.3894 051806skv0912	4.3896 051806skv1511							NC
	bctsp051806-489	4.3686 051806skv0913	4.3691 051806skv1512							NC

rev 020303

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Reviewed by: CA 6/19/06

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)
	bctsp051806-490	4.3690 051806skv0913	4.3694 051806skv1512							NC
	bctsp051806-491	4.3880 051806skv0913	4.3884 051806skv1513							NC
	bctsp051806-492	4.3636 051806skv0913	4.3640 051806skv1513							NC
	bctsp051806-493	4.3742 051806skv0914	4.3739 051806skv1514							NC
	bctsp051806-494	4.3799 051806skv0914	4.3800 051806skv1514							NC
	bctsp051806-495	4.3601 051806skv0914	4.3601 051806skv1514							NC
	5 g wt	4.9998 051806skv0915	4.9997 051806skv1515	5.0001 060706skv0910	5.0004 060806skv1211					0.0007

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

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Reviewed by: 6/19/06

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch **6160459**

Date 6/19/2006
Time 14:10:51

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.
H6LVL-1-AA	0.0452	g	0.0001	06/07-06/08/06	.00	N	R	0.0452	0.0001	1.00
H6LVM-1-AD	0.0339	g	0.0001	06/07-06/08/06	.00	N	R	0.0339	0.0001	1.00
H6LVN-1-AF	0.0348	g	0.0001	06/07-06/08/06	.00	N	R	0.0348	0.0001	1.00
H6LVQ-1-AF	0.0571	g	0.0001	06/07-06/08/06	.00	N	R	0.0571	0.0001	1.00
H6LVR-1-AF	0.0403	g	0.0001	06/07-06/08/06	.00	N	R	0.0403	0.0001	1.00
H6LVT-1-AF	0.0400	g	0.0001	06/07-06/08/06	.00	N	R	0.0400	0.0001	1.00
H6LVV-1-AF	0.0005	g	0.0001	06/07-06/08/06	.00	N	R	0.0005	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: 6/09/06
Time: 14:51:29

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 #: **6160470**
PREP DATE: 6/07/06 9:21
COMP DATE: 6/08/06 12:30
USER: VALMORES

INITIALS:
PREP DV
ANAL DV

DATA ENTRY:
INITIALS DV
DATE 6/9/06

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
H6LT9-1-AA	G-6F020224-001	XX S 88 JR 01	Y-D	6/8/06	P-0653
H6LVC-1-AD	G-6F020224-002	XX S 88 JR 01	Y-D		P-0654
H6LVD-1-AD	G-6F020224-003	XX S 88 JR 01	Y-D		P-0655
H6LVE-1-AD	G-6F020224-004	XX S 88 JR 01	Y-D		P-0656
H6LVF-1-AD	G-6F020224-005	XX S 88 JR 01	Y-D		P-0657
H6LVH-1-AD	G-6F020224-006	XX S 88 JR 01	Y-D		P-0658
H6LVK-1-AD	G-6F020224-007	XX S 88 JR 01	Y-D		P-0659

Control Limits

STL Sacramento

Air Toxics Laboratory

SEVERN TRENT STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: G6F020224 -1 → 7 Batch #: 616047O

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 6/9/06 ANALYST: S Valmore

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

Completed By & Date: SV 6/9/06

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: 6/19/06

Comments: des LA

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	4.9997 051806skv0917	4.9998 051806skv1517	4.9997 060706skv0921	4.9998 060806skv1225					0.0000
H6LTN	pmbc051806-651	4.3657 051806skv0918	4.3657 051806skv1517	4.3787 060706skv0920	4.3786 060806skv1226					0.0129
H6LTQ	pmbc051806-652	4.3708 051806skv0918	4.3712 051806skv1518	4.3723 060706skv0925	4.3727 060806skv1227					0.0015
H6LT9	pmbc051806-653	4.3265 051806skv0918	4.3270 051806skv1518	4.3409 060706skv0926	4.3408 060806skv1227					0.0138
H6LVC	pmbc051806-654	4.3132 051806skv0919	4.3131 051806skv1518	4.3258 060706skv0926	4.3262 060806skv1228					0.0131
H6LVD	pmbc051806-655	4.3006 051806skv0919	4.3010 051806skv1519	4.3167 060706skv0927	4.3164 060806skv1228					0.0154
H6LVE	pmbc051806-656	4.3291 051806skv0919	4.3295 051806skv1519	4.3530 060706skv0928	4.3530 060806skv1229					0.0235
H6LVF	pmbc051806-657	4.3412 051806skv0920	4.3412 051806skv1519	4.3548 060706skv0928	4.3551 060806skv1229					0.0139
H6LVH	pmbc051806-658	4.3769 051806skv0920	4.3772 051806skv1520	4.3917 060706skv0929	4.3917 060806skv1229					0.0145
H6LVK	pmbc051806-659	4.3983 051806skv0922	4.3984 051806skv1520	4.4116 060706skv0929	4.4119 060806skv1230					0.0135
	pmbc051806-660	4.3813 051806skv0922	4.3812 051806skv1520							NC
	5 g wt	5.0004 051806skv0922	4.9999 051806skv1521	4.9997 060706skv0930	5.0000 060806skv1230					0.0001

rev 020303
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Reviewed by 6/19/06

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch **6160470**

Date 6/19/2006
Time 13:47:58

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.
H6LT9-1-AA	0.0138	g	0.0001	06/07-06/08/06	.00	N	R	0.0138	0.0001	1.00
H6LVC-1-AD	0.0131	g	0.0001	06/07-06/08/06	.00	N	R	0.0131	0.0001	1.00
H6LVD-1-AD	0.0154	g	0.0001	06/07-06/08/06	.00	N	R	0.0154	0.0001	1.00
H6LVE-1-AD	0.0235	g	0.0001	06/07-06/08/06	.00	N	R	0.0235	0.0001	1.00
H6LVF-1-AD	0.0139	g	0.0001	06/07-06/08/06	.00	N	R	0.0139	0.0001	1.00
H6LVH-1-AD	0.0145	g	0.0001	06/07-06/08/06	.00	N	R	0.0145	0.0001	1.00
H6LVK-1-AD	0.0135	g	0.0001	06/07-06/08/06	.00	N	R	0.0135	0.0001	1.00

Notes:

PRODUCTION TOTALS

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