SEVERN TRENT STL

STL Sacramento
880 Riverside Parkway
West Sacramento, CA 95605

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

July 18, 2006

STL SACRAMENTO PROJECT NUMBER: G6F230235
PO/CONTRACT: 129682.001/Event 85

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 23, 2006. These samples are associated with your 21243 project.

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

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

Sincerely,

Karen Dahl
Project Manager

TABLE OF CONTENTS

STL SACRAMENTO PROJECT NUMBER G6F230235

Case Narrative

STL Sacramento Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, Metals - Various Methods
Samples: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
- Sample Data Sheet
- Method Blank Report
- Laboratory QC Reports

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

Raw Data Package

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G6F230235

AIR, PM-10
The final weight for sample 8 was less than the initial weight so this result was reported as 'ND'.

AIR, TSP
The final weight for sample 15 was less than the initial weight so this result was reported as 'ND'.

There were no other anomalies associated with this project.

SEVERN TRENT STL

ACCREDITED IN ACCORDANCE WITH nelac

STL Sacramento Certifications/Accreditations

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

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

QC Parameter Definitions

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

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

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

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

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

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

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

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

Sample Summary
G6F230235

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
H74DN	1	P-0675	6/20/2006 10:05 AM	6/23/2006 09:00 AM
H74DT	2	P-0676	6/20/2006 10:20 AM	6/23/2006 09:00 AM
H74DW	3	P-0677	6/20/2006 10:35 AM	6/23/2006 09:00 AM
H74D1	4	P-0678	6/20/2006 10:55 AM	6/23/2006 09:00 AM
H74D5	5	P-0679	6/20/2006 11:10 AM	6/23/2006 09:00 AM
H74D8	6	P-0680	6/20/2006 11:25 AM	6/23/2006 09:00 AM
H74EA	7	P-0681	6/20/2006 10:10 AM	6/23/2006 09:00 AM
H74ED	8	P-0682	6/20/2006 11:35 AM	6/23/2006 09:00 AM
H74EF	9	000502	6/20/2006 10:15 AM	6/23/2006 09:00 AM
H74EK	10	000503	6/20/2006 10:25 AM	6/23/2006 09:00 AM
H74FF	11	000504	6/20/2006 10:40 AM	6/23/2006 09:00 AM
H74FH	12	000505	6/20/2006 11:00 AM	6/23/2006 09:00 AM
H74FM	13	000506	6/20/2006 11:15 AM	6/23/2006 09:00 AM
H74FP	14	000507	6/20/2006 11:30 AM	6/23/2006 09:00 AM
H74FR	15	000508	6/20/2006 11:20 AM	6/23/2006 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 85

YERA000169

☒ 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 µSV/hr	SAMPLING METHOD	DEPTH (FT.) BEGIN / END	PID READING (ppm)
01	-P-0675	6/2/06	10:05	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)			0.35		----	
02	-P-0676		10:20		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			0.35		----	
03	-P-0677		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)			0.31		----	
04	P-0678		10:55		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			0.24		----	
05	-P-0679		11:10		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			0.29		----	
06	-P-0680		11:25		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			0.30		----	
07	-P-0681		10:10		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			0.32		----	
08	-P-0682		11:35		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			0.35		----	
09														----	
10														----	

COLLECTED & RELEASED BY: [signature]	DATE 6/2/06	TIME 1600	COOLER I.D.:			COMMENTS (see note on back):
RECEIVED BY: [signature]	DATE 6/3/06	TIME 11:00	RELINQUISHED BY:	DATE / /	TIME :	
RECORD RETURNED BY:	DATE / /	TIME :				
COURIER: FEDEX			SHIPPING NUMBER: 790475468541			

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.

G6F230235
STL Sacramento (916) 373-5600

BROWN AND CALDWELL

CHAIN OF CUSTODY RECORD

COC No._____

Event 85

YERA000170

☒ 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 µSV/hr	SAMPLING METHOD	DEPTH (FT.) BEGIN ---- END	PID READING (ppm)
01	000502	6/26/06	10:15		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			0.23		----	
02	000503		10:25		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			0.27		----	
03	000504		10:40		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			0.37		----	
04	000505		11:00		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			0.32		----	
05	000506		11:15		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			0.29		----	
06	000507		11:30		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			0.25		----	
07	000508		11:20		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			0.33		----	
08														----	
09														----	
10														----	

COLLECTED & RELEASED BY: [signature]	DATE 6/26/06	TIME	COOLER I.D.:			COMMENTS (see note on back):
RECEIVED BY: [signature]	DATE 6/28/06	TIME 11:06	RELINQUISHED BY:	DATE / /	TIME :	
RECORD RETURNED BY:	DATE / /	TIME :				
COURIER: FED EX			SHIPPING NUMBER: 7904754685 71			

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.

G6F230235
STL Sacramento (916) 373 - 5600

SEVERN TRENT STL

LOT RECEIPT CHECKLIST
STL Sacramento

CLIENT Brown & Caldwell PM KD LOG # 39610

LOT# (QUANTIMS ID) G6F230235 QUOTE# 626684 LOCATION AC

		Initials	Date
DATE RECEIVED 6/23/06 TIME RECEIVED 0900		CN	6/23/06
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:_____ 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: G6F230235

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

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

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

QA-185 3/05 EM

Page 2

AIR, Metals – Various Methods

Brown and Caldwell

Client Sample ID: P-0675

TOTAL Metals

Lot-Sample #...: G6F230235-001 **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6191455						
Silver	**0.037 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74DN1AH**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/11/06	H74DN1AJ
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/11/06	H74DN1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.017 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74DN1AL**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	07/11/06	H74DN1AM
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/11/06	H74DN1AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/11/06	H74DN1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**41.8**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74DN1AQ**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**19.3**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74DN1AR**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/11/06	H74DN1AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	**4.4 B**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74DN1AU**
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.9**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74DN1AV**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/11/06	H74DN1AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**4.7 B,J**	**12.0**	**ug**	**SW846 6020**	**07/11/06**	**H74DN1AX**
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0675

TOTAL Metals

Lot-Sample #...: G6F230235-001 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**7.2 B**	**24.0**	**ug**	**SW846 6020**	**07/11/06**	**H74DN1A0**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6191457						
Aluminum	**275**	**240**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74DN1AC**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	07/11-07/13/06	H74DN1AD
		Dilution Factor: 1		MDL.....: 898		
Iron	**308**	**120**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74DN1AE**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**186 B**	**600**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74DN1AF**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/11-07/13/06	H74DN1AG
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6195460						
Mercury	ND	0.12	ug	SW846 7471A	07/13-07/14/06	H74DN1A1
		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-0676

TOTAL Metals

Lot-Sample #...: G6F230235-002 **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6191455						
Silver	**0.027 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74DT1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/11/06	H74DT1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/11/06	H74DT1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.012 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74DT1AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	07/11/06	H74DT1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/11/06	H74DT1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/11/06	H74DT1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**23.4**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74DT1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**22.0**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74DT1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/11/06	H74DT1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	**4.2 B**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74DT1AW**
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.3**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74DT1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/11/06	H74DT1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**4.7 B,J**	**12.0**	**ug**	**SW846 6020**	**07/11/06**	**H74DT1A1**
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0676

TOTAL Metals

Lot-Sample #...: G6F230235-002 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**7.2 B**	**24.0**	**ug**	**SW846 6020**	**07/11/06**	**H74DT1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6191457						
Aluminum	**258**	**240**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74DT1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	07/11-07/13/06	H74DT1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	264	120	ug	SW846 6010B	07/11-07/13/06	H74DT1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**161 B**	**600**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74DT1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/11-07/13/06	H74DT1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6195460						
Mercury	ND	0.12	ug	SW846 7471A	07/13-07/14/06	H74DT1AC
		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-0677

TOTAL Metals

Lot-Sample #...: G6F230235-003 **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6191455						
Silver	**0.026 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74DW1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/11/06	H74DW1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/11/06	H74DW1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	07/11/06	H74DW1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	07/11/06	H74DW1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/11/06	H74DW1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/11/06	H74DW1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**44.0**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74DW1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**14.2**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74DW1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/11/06	H74DW1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/11/06	H74DW1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.4**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74DW1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/11/06	H74DW1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**4.7 B,J**	**12.0**	**ug**	**SW846 6020**	**07/11/06**	**H74DW1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0677

TOTAL Metals

Lot-Sample #...: G6F230235-003 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	07/11/06	H74DW1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6191457						
Aluminum	**238 B**	**240**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74DW1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	07/11-07/13/06	H74DW1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**280**	**120**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74DW1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**165 B**	**600**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74DW1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/11-07/13/06	H74DW1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6195460						
Mercury	ND	0.12	ug	SW846 7471A	07/13-07/14/06	H74DW1AC
		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-0678

TOTAL Metals

Lot-Sample #...: G6F230235-004 **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6191455						
Silver	**0.033 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74D11AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/11/06	H74D11AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/11/06	H74D11AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	07/11/06	H74D11AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	07/11/06	H74D11AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/11/06	H74D11AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/11/06	H74D11AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**65.8**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74D11AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**17.1**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74D11AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/11/06	H74D11AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/11/06	H74D11AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.5**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74D11AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/11/06	H74D11A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**4.9 B,J**	**12.0**	**ug**	**SW846 6020**	**07/11/06**	**H74D11A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0678

TOTAL Metals

Lot-Sample #...: G6F230235-004 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**9.5 B**	**24.0**	**ug**	**SW846 6020**	**07/11/06**	**H74D11AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6191457						
Aluminum	**329**	**240**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74D11AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	07/11-07/13/06	H74D11AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**403**	**120**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74D11AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**251 B**	**600**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74D11AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/11-07/13/06	H74D11AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6195460						
Mercury	ND	0.12	ug	SW846 7471A	07/13-07/14/06	H74D11AC
		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-0679

TOTAL Metals

Lot-Sample #...: G6F230235-005 **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6191455						
Silver	**0.019 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74D51AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/11/06	H74D51AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/11/06	H74D51AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.026 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74D51AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	07/11/06	H74D51AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/11/06	H74D51AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/11/06	H74D51AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**103**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74D51AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**25.2**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74D51AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/11/06	H74D51AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/11/06	H74D51AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.6**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74D51AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/11/06	H74D51A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**6.3 B,J**	**12.0**	**ug**	**SW846 6020**	**07/11/06**	**H74D51A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0679

TOTAL Metals

Lot-Sample #...: G6F230235-005 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	7.4 B	24.0	ug	SW846 6020	07/11/06	H74D51AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6191457						
Aluminum	701	240	ug	SW846 6010B	07/11-07/13/06	H74D51AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	912 B	3000	ug	SW846 6010B	07/11-07/13/06	H74D51AF
		Dilution Factor: 1		MDL.....: 898		
Iron	1320	120	ug	SW846 6010B	07/11-07/13/06	H74D51AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	420 B	600	ug	SW846 6010B	07/11-07/13/06	H74D51AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/11-07/13/06	H74D51AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6195460						
Mercury	0.011 B,J	0.12	ug	SW846 7471A	07/13-07/14/06	H74D51AC
		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-0680

TOTAL Metals

Lot-Sample #...: G6F230235-006 **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6191455						
Silver	**0.022 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74D81AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/11/06	H74D81AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/11/06	H74D81AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.017 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74D81AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	07/11/06	H74D81AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/11/06	H74D81AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/11/06	H74D81AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**41.4**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74D81AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**22.4**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74D81AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/11/06	H74D81AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/11/06	H74D81AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.2**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74D81AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/11/06	H74D81A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**5.0 B,J**	**12.0**	**ug**	**SW846 6020**	**07/11/06**	**H74D81A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0680

TOTAL Metals

Lot-Sample #...: G6F230235-006 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	07/11/06	H74D81AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6191457						
Aluminum	**441**	**240**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74D81AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	07/11-07/13/06	H74D81AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**494**	**120**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74D81AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**302 B**	**600**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74D81AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/11-07/13/06	H74D81AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6195460						
Mercury	ND	0.12	ug	SW846 7471A	07/13-07/14/06	H74D81AC
		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-0681

TOTAL Metals

Lot-Sample #...: G6F230235-007 **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6191455						
Silver	**0.030 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74EA1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/11/06	H74EA1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/11/06	H74EA1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.010 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74EA1AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	07/11/06	H74EA1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/11/06	H74EA1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/11/06	H74EA1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**69.2**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74EA1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**14.5**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74EA1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/11/06	H74EA1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/11/06	H74EA1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.1**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74EA1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/11/06	H74EA1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**4.5 B,J**	**12.0**	**ug**	**SW846 6020**	**07/11/06**	**H74EA1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0681

TOTAL Metals

Lot-Sample #...: G6F230235-007 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	07/11/06	H74EA1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6191457						
Aluminum	**293**	**240**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74EA1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	07/11-07/13/06	H74EA1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**328**	**120**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74EA1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**200 B**	**600**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74EA1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/11-07/13/06	H74EA1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6195460						
Mercury	ND	0.12	ug	SW846 7471A	07/13-07/14/06	H74EA1AC
		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-0682

TOTAL Metals

Lot-Sample #...: G6F230235-008 **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6191455						
Silver	ND	1.2	ug	SW846 6020	07/11/06	H74ED1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/11/06	H74ED1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/11/06	H74ED1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	07/11/06	H74ED1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	07/11/06	H74ED1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/11/06	H74ED1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/11/06	H74ED1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	ND	6.0	ug	SW846 6020	07/11/06	H74ED1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**3.3 B**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74ED1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/11/06	H74ED1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/11/06	H74ED1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	ND	1.2	ug	SW846 6020	07/11/06	H74ED1AX
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/11/06	H74ED1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.9 B,J**	**12.0**	**ug**	**SW846 6020**	**07/11/06**	**H74ED1A1**
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0682

TOTAL Metals

Lot-Sample #...: G6F230235-008 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	07/11/06	H74ED1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6191457						
Aluminum	ND	240	ug	SW846 6010B	07/11-07/13/06	H74ED1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	07/11-07/13/06	H74ED1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**16.2 B**	**120**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74ED1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	ND	600	ug	SW846 6010B	07/11-07/13/06	H74ED1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/11-07/13/06	H74ED1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6195460						
Mercury	ND	0.12	ug	SW846 7471A	07/13-07/14/06	H74ED1AC
		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: 000502

TOTAL Metals

Lot-Sample #...: G6F230235-009 **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6191455						
Silver	**0.27 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74EF1AH**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/11/06	H74EF1AJ
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/11/06	H74EF1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.031 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74EF1AL**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.066 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74EF1AM**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/11/06	H74EF1AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/11/06	H74EF1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**591**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74EF1AQ**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**36.0**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74EF1AR**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/11/06	H74EF1AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/11/06	H74EF1AU
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**3.3**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74EF1AV**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/11/06	H74EF1AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**5.8 B,J**	**12.0**	**ug**	**SW846 6020**	**07/11/06**	**H74EF1AX**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000502

TOTAL Metals

Lot-Sample #...: G6F230235-009 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**6.2 B**	**24.0**	**ug**	**SW846 6020**	**07/11/06**	**H74EF1A0**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6191457						
Aluminum	**884**	**240**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74EF1AC**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	**1190 B**	**3000**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74EF1AD**
		Dilution Factor: 1		MDL.....: 898		
Iron	**970**	**120**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74EF1AE**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**508 B**	**600**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74EF1AF**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/11-07/13/06	H74EF1AG
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6195460						
Mercury	**0.020 B,J**	**0.12**	**ug**	**SW846 7471A**	**07/13-07/14/06**	**H74EF1A1**
		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: 000503

TOTAL Metals

Lot-Sample #...: G6F230235-010 **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6191455						
Silver	**0.040 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74EK1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/11/06	H74EK1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/11/06	H74EK1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.024 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74EK1AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.068 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74EK1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/11/06	H74EK1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/11/06	H74EK1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**80.7**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74EK1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**35.3**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74EK1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/11/06	H74EK1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/11/06	H74EK1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.6**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74EK1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/11/06	H74EK1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**5.2 B,J**	**12.0**	**ug**	**SW846 6020**	**07/11/06**	**H74EK1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000503

TOTAL Metals

Lot-Sample #...: G6F230235-010 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	07/11/06	H74EK1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6191457						
Aluminum	**638**	**240**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74EK1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	**919 B**	**3000**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74EK1AF**
		Dilution Factor: 1		MDL.....: 898		
Iron	**660**	**120**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74EK1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**349 B**	**600**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74EK1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/11-07/13/06	H74EK1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6195460						
Mercury	ND	0.12	ug	SW846 7471A	07/13-07/14/06	H74EK1AC
		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: 000504

TOTAL Metals

Lot-Sample #...: G6F230235-011 **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6191455						
Silver	**0.15 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74FF1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/11/06	H74FF1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/11/06	H74FF1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.014 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74FF1AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	07/11/06	H74FF1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/11/06	H74FF1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/11/06	H74FF1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**366**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FF1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**22.0**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FF1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/11/06	H74FF1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/11/06	H74FF1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.8**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74FF1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/11/06	H74FF1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**5.1 B,J**	**12.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FF1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000504

TOTAL Metals

Lot-Sample #...: G6F230235-011 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	07/11/06	H74FF1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6191457						
Aluminum	**470**	**240**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FF1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	**1040 B**	**3000**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FF1AF**
		Dilution Factor: 1		MDL.....: 898		
Iron	**553**	**120**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FF1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**325 B**	**600**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FF1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/11-07/13/06	H74FF1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6195460						
Mercury	**0.0018 B,J**	**0.12**	**ug**	**SW846 7471A**	**07/13-07/14/06**	**H74FF1AC**
		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: 000505

TOTAL Metals

Lot-Sample #...: G6F230235-012 **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6191455						
Silver	**0.078 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74FH1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/11/06	H74FH1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/11/06	H74FH1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.017 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74FH1AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.076 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74FH1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/11/06	H74FH1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/11/06	H74FH1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**174**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FH1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**33.5**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FH1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/11/06	H74FH1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/11/06	H74FH1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.9**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74FH1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/11/06	H74FH1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**5.9 B,J**	**12.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FH1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000505

TOTAL Metals

Lot-Sample #...: G6F230235-012 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**14.8 B**	**24.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FH1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6191457						
Aluminum	**918**	**240**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FH1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	**1360 B**	**3000**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FH1AF**
		Dilution Factor: 1		MDL.....: 898		
Iron	**925**	**120**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FH1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**556 B**	**600**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FH1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/11-07/13/06	H74FH1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6195460						
Mercury	**0.015 B,J**	**0.12**	**ug**	**SW846 7471A**	**07/13-07/14/06**	**H74FH1AC**
		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: 000506

TOTAL Metals

Lot-Sample #...: G6F230235-013 **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6191455						
Silver	**0.087 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74FM1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/11/06	H74FM1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/11/06	H74FM1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.079 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74FM1AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.091 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74FM1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/11/06	H74FM1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/11/06	H74FM1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**337**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FM1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**46.8**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FM1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/11/06	H74FM1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/11/06	H74FM1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.4**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74FM1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/11/06	H74FM1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**8.2 B,J**	**12.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FM1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000506

TOTAL Metals

Lot-Sample #...: G6F230235-013 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**9.7 B**	**24.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FM1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6191457						
Aluminum	**1530**	**240**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FM1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	**1620 B**	**3000**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FM1AF**
		Dilution Factor: 1		MDL.....: 898		
Iron	**2800**	**120**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FM1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**908**	**600**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FM1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	**2610 B**	**6000**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FM1AJ**
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6195460						
Mercury	**0.026 B,J**	**0.12**	**ug**	**SW846 7471A**	**07/13-07/14/06**	**H74FM1AC**
		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: 000507

TOTAL Metals

Lot-Sample #...: G6F230235-014 **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6191455						
Silver	**0.049 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74FP1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/11/06	H74FP1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/11/06	H74FP1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.049 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74FP1AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.080 B**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74FP1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/11/06	H74FP1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/11/06	H74FP1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**118**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FP1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**45.6**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FP1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/11/06	H74FP1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/11/06	H74FP1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.2**	**1.2**	**ug**	**SW846 6020**	**07/11/06**	**H74FP1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/11/06	H74FP1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**6.4 B,J**	**12.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FP1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000507

TOTAL Metals

Lot-Sample #...: G6F230235-014 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**10.2 B**	**24.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FP1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6191457						
Aluminum	**1040**	**240**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FP1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	**1520 B**	**3000**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FP1AF**
		Dilution Factor: 1		MDL.....: 898		
Iron	**1200**	**120**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FP1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**676**	**600**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FP1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/11-07/13/06	H74FP1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6195460						
Mercury	**0.0078 B,J**	**0.12**	**ug**	**SW846 7471A**	**07/13-07/14/06**	**H74FP1AC**
		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: 000508

TOTAL Metals

Lot-Sample #...: G6F230235-015 **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6191455						
Silver	ND	1.2	ug	SW846 6020	07/11/06	H74FR1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/11/06	H74FR1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/11/06	H74FR1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	07/11/06	H74FR1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	07/11/06	H74FR1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/11/06	H74FR1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/11/06	H74FR1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	ND	6.0	ug	SW846 6020	07/11/06	H74FR1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**1.9 B**	**6.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FR1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/11/06	H74FR1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/11/06	H74FR1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	ND	1.2	ug	SW846 6020	07/11/06	H74FR1AX
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/11/06	H74FR1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**4.1 B,J**	**12.0**	**ug**	**SW846 6020**	**07/11/06**	**H74FR1A1**
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000508

TOTAL Metals

Lot-Sample #...: G6F230235-015 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	07/11/06	H74FR1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6191457						
Aluminum	ND	240	ug	SW846 6010B	07/11-07/13/06	H74FR1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	07/11-07/13/06	H74FR1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**18.2 B**	**120**	**ug**	**SW846 6010B**	**07/11-07/13/06**	**H74FR1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	ND	600	ug	SW846 6010B	07/11-07/13/06	H74FR1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/11-07/13/06	H74FR1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6195460						
Mercury	ND	0.12	ug	SW846 7471A	07/13-07/14/06	H74FR1AC
		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

G6F230235

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AIR	SW846 6020		6191455	
	AIR	SW846 7471A		6195460	
	AIR	SW846 6010B		6191457	
002	AIR	SW846 6020		6191455	
	AIR	SW846 7471A		6195460	
	AIR	SW846 6010B		6191457	
003	AIR	SW846 6020		6191455	
	AIR	SW846 7471A		6195460	
	AIR	SW846 6010B		6191457	
004	AIR	SW846 6020		6191455	
	AIR	SW846 7471A		6195460	
	AIR	SW846 6010B		6191457	
005	AIR	SW846 6020		6191455	
	AIR	SW846 7471A		6195460	
	AIR	SW846 6010B		6191457	
006	AIR	SW846 6020		6191455	
	AIR	SW846 7471A		6195460	
	AIR	SW846 6010B		6191457	
007	AIR	SW846 6020		6191455	
	AIR	SW846 7471A		6195460	
	AIR	SW846 6010B		6191457	
008	AIR	SW846 6020		6191455	
	AIR	SW846 7471A		6195460	
	AIR	SW846 6010B		6191457	
009	AIR	SW846 6020		6191455	
	AIR	SW846 7471A		6195460	
	AIR	SW846 6010B		6191457	
010	AIR	SW846 6020		6191455	
	AIR	SW846 7471A		6195460	
	AIR	SW846 6010B		6191457	
011	AIR	SW846 6020		6191455	
	AIR	SW846 7471A		6195460	
	AIR	SW846 6010B		6191457	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G6F230235

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
012	AIR	SW846 6020		6191455	
	AIR	SW846 7471A		6195460	
	AIR	SW846 6010B		6191457	
013	AIR	SW846 6020		6191455	
	AIR	SW846 7471A		6195460	
	AIR	SW846 6010B		6191457	
014	AIR	SW846 6020		6191455	
	AIR	SW846 7471A		6195460	
	AIR	SW846 6010B		6191457	
015	AIR	SW846 6020		6191455	
	AIR	SW846 7471A		6195460	
	AIR	SW846 6010B		6191457	

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: G6F230235 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G6G100000-455 **Prep Batch #...:** 6191455						
Arsenic	ND	3.6	ug	SW846 6020	07/11/06	H8XMA1AC
		Dilution Factor: 1				
Barium	ND	120	ug	SW846 6020	07/11/06	H8XMA1AD
		Dilution Factor: 1				
Beryllium	ND	1.2	ug	SW846 6020	07/11/06	H8XMA1AE
		Dilution Factor: 1				
Cadmium	ND	1.2	ug	SW846 6020	07/11/06	H8XMA1AF
		Dilution Factor: 1				
Chromium	ND	12.0	ug	SW846 6020	07/11/06	H8XMA1AH
		Dilution Factor: 1				
Cobalt	ND	12.0	ug	SW846 6020	07/11/06	H8XMA1AG
		Dilution Factor: 1				
Copper	ND	6.0	ug	SW846 6020	07/11/06	H8XMA1AJ
		Dilution Factor: 1				
Lead	ND	1.2	ug	SW846 6020	07/11/06	H8XMA1AN
		Dilution Factor: 1				
Manganese	ND	6.0	ug	SW846 6020	07/11/06	H8XMA1AK
		Dilution Factor: 1				
Molybdenum	ND	6.0	ug	SW846 6020	07/11/06	H8XMA1AL
		Dilution Factor: 1				
Nickel	ND	6.0	ug	SW846 6020	07/11/06	H8XMA1AM
		Dilution Factor: 1				
Selenium	ND	3.6	ug	SW846 6020	07/11/06	H8XMA1AP
		Dilution Factor: 1				
Silver	ND	1.2	ug	SW846 6020	07/11/06	H8XMA1AA
		Dilution Factor: 1				
Vanadium	**3.9 B**	**12.0**	**ug**	**SW846 6020**	**07/11/06**	**H8XMA1AQ**
		Dilution Factor: 1				
Zinc	ND	24.0	ug	SW846 6020	07/11/06	H8XMA1AR
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: G6F230235 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G6G100000-457 **Prep Batch #...:** 6191457						
Aluminum	ND	240	ug	SW846 6010B	07/11-07/13/06	H8XMF1AA
		Dilution Factor: 1				
Calcium	ND	3000	ug	SW846 6010B	07/11-07/13/06	H8XMF1AC
		Dilution Factor: 1				
Iron	ND	120	ug	SW846 6010B	07/11-07/13/06	H8XMF1AD
		Dilution Factor: 1				
Magnesium	ND	600	ug	SW846 6010B	07/11-07/13/06	H8XMF1AE
		Dilution Factor: 1				
Sodium	ND	6000	ug	SW846 6010B	07/11-07/13/06	H8XMF1AF
		Dilution Factor: 1				
MB Lot-Sample #: G6G140000-460 **Prep Batch #...:** 6195460						
Mercury	**0.0018 B**	**0.12**	**ug**	**SW846 7471A**	**07/13-07/14/06**	**H9AQ51AA**
		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 #...: G6F230235 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Arsenic	240	225	ug	94		SW846 6020	07/11/06	6191455
	240	227	ug	95	0.84	SW846 6020	07/11/06	6191455
			Dilution Factor: 1					
Barium	240	249	ug	104		SW846 6020	07/11/06	6191455
	240	253	ug	106	1.8	SW846 6020	07/11/06	6191455
			Dilution Factor: 1					
Beryllium	240	221	ug	92		SW846 6020	07/11/06	6191455
	240	222	ug	93	0.44	SW846 6020	07/11/06	6191455
			Dilution Factor: 1					
Cadmium	240	227	ug	95		SW846 6020	07/11/06	6191455
	240	228	ug	95	0.30	SW846 6020	07/11/06	6191455
			Dilution Factor: 1					
Chromium	240	243	ug	101		SW846 6020	07/11/06	6191455
	240	248	ug	103	2.0	SW846 6020	07/11/06	6191455
			Dilution Factor: 1					
Cobalt	240	231	ug	96		SW846 6020	07/11/06	6191455
	240	233	ug	97	0.66	SW846 6020	07/11/06	6191455
			Dilution Factor: 1					
Copper	240	228	ug	95		SW846 6020	07/11/06	6191455
	240	228	ug	95	0.08	SW846 6020	07/11/06	6191455
			Dilution Factor: 1					
Lead	240	233	ug	97		SW846 6020	07/11/06	6191455
	240	234	ug	97	0.29	SW846 6020	07/11/06	6191455
			Dilution Factor: 1					
Manganese	240	252	ug	105		SW846 6020	07/11/06	6191455
	240	255	ug	106	1.2	SW846 6020	07/11/06	6191455
			Dilution Factor: 1					
Molybdenum	240	230	ug	96		SW846 6020	07/11/06	6191455
	240	232	ug	97	1.0	SW846 6020	07/11/06	6191455
			Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6F230235 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nickel	240	231	ug	96		SW846 6020	07/11/06	6191455
	240	231	ug	96	0.10	SW846 6020	07/11/06	6191455
			Dilution Factor: 1					
Selenium	240	215	ug	90		SW846 6020	07/11/06	6191455
	240	218	ug	91	1.0	SW846 6020	07/11/06	6191455
			Dilution Factor: 1					
Silver	60.0	58.4	ug	97		SW846 6020	07/11/06	6191455
	60.0	58.8	ug	98	0.69	SW846 6020	07/11/06	6191455
			Dilution Factor: 1					
Vanadium	240	240	ug	100		SW846 6020	07/11/06	6191455
	240	247	ug	103	2.6	SW846 6020	07/11/06	6191455
			Dilution Factor: 1					
Zinc	240	223	ug	93		SW846 6020	07/11/06	6191455
	240	225	ug	94	0.74	SW846 6020	07/11/06	6191455
			Dilution Factor: 1					
Aluminum	2400	2500	ug	104		SW846 6010B	07/11-07/13/06	6191457
	2400	2390	ug	100	4.5	SW846 6010B	07/11-07/13/06	6191457
			Dilution Factor: 1					
Calcium	60000	60200	ug	100		SW846 6010B	07/11-07/13/06	6191457
	60000	57500	ug	96	4.6	SW846 6010B	07/11-07/13/06	6191457
			Dilution Factor: 1					
Iron	1200	1260	ug	105		SW846 6010B	07/11-07/13/06	6191457
	1200	1220	ug	101	3.7	SW846 6010B	07/11-07/13/06	6191457
			Dilution Factor: 1					
Magnesium	60000	62200	ug	104		SW846 6010B	07/11-07/13/06	6191457
	60000	59300	ug	99	4.7	SW846 6010B	07/11-07/13/06	6191457
			Dilution Factor: 1					
Sodium	60000	58900	ug	98		SW846 6010B	07/11-07/13/06	6191457
	60000	56400	ug	94	4.3	SW846 6010B	07/11-07/13/06	6191457
			Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6F230235 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Mercury	0.600	0.630	ug	105		SW846 7471A	07/13-07/14/06	6195460
	0.600	0.648	ug	108	2.8	SW846 7471A	07/13-07/14/06	6195460

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 #...: G6F230235 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Arsenic	94	(75 - 125)			SW846 6020	07/11/06	6191455
	95	(75 - 125)	0.84	(0-20)	SW846 6020	07/11/06	6191455
		Dilution Factor: 1					
Barium	104	(75 - 125)			SW846 6020	07/11/06	6191455
	106	(75 - 125)	1.8	(0-20)	SW846 6020	07/11/06	6191455
		Dilution Factor: 1					
Beryllium	92	(75 - 125)			SW846 6020	07/11/06	6191455
	93	(75 - 125)	0.44	(0-20)	SW846 6020	07/11/06	6191455
		Dilution Factor: 1					
Cadmium	95	(75 - 125)			SW846 6020	07/11/06	6191455
	95	(75 - 125)	0.30	(0-20)	SW846 6020	07/11/06	6191455
		Dilution Factor: 1					
Chromium	101	(75 - 125)			SW846 6020	07/11/06	6191455
	103	(75 - 125)	2.0	(0-20)	SW846 6020	07/11/06	6191455
		Dilution Factor: 1					
Cobalt	96	(75 - 125)			SW846 6020	07/11/06	6191455
	97	(75 - 125)	0.66	(0-20)	SW846 6020	07/11/06	6191455
		Dilution Factor: 1					
Copper	95	(75 - 125)			SW846 6020	07/11/06	6191455
	95	(75 - 125)	0.08	(0-20)	SW846 6020	07/11/06	6191455
		Dilution Factor: 1					
Lead	97	(75 - 125)			SW846 6020	07/11/06	6191455
	97	(75 - 125)	0.29	(0-20)	SW846 6020	07/11/06	6191455
		Dilution Factor: 1					
Manganese	105	(75 - 125)			SW846 6020	07/11/06	6191455
	106	(75 - 125)	1.2	(0-20)	SW846 6020	07/11/06	6191455
		Dilution Factor: 1					
Molybdenum	96	(75 - 125)			SW846 6020	07/11/06	6191455
	97	(75 - 125)	1.0	(0-20)	SW846 6020	07/11/06	6191455
		Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6F230235 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Nickel	96	(75 - 125)			SW846 6020	07/11/06	6191455
	96	(75 - 125)	0.10	(0-20)	SW846 6020	07/11/06	6191455
		Dilution Factor: 1					
Selenium	90	(75 - 125)			SW846 6020	07/11/06	6191455
	91	(75 - 125)	1.0	(0-20)	SW846 6020	07/11/06	6191455
		Dilution Factor: 1					
Silver	97	(75 - 125)			SW846 6020	07/11/06	6191455
	98	(75 - 125)	0.69	(0-20)	SW846 6020	07/11/06	6191455
		Dilution Factor: 1					
Vanadium	100	(75 - 125)			SW846 6020	07/11/06	6191455
	103	(75 - 125)	2.6	(0-20)	SW846 6020	07/11/06	6191455
		Dilution Factor: 1					
Zinc	93	(75 - 125)			SW846 6020	07/11/06	6191455
	94	(75 - 125)	0.74	(0-20)	SW846 6020	07/11/06	6191455
		Dilution Factor: 1					
Aluminum	104	(75 - 125)			SW846 6010B	07/11-07/13/06	6191457
	100	(75 - 125)	4.5	(0-20)	SW846 6010B	07/11-07/13/06	6191457
		Dilution Factor: 1					
Calcium	100	(75 - 125)			SW846 6010B	07/11-07/13/06	6191457
	96	(75 - 125)	4.6	(0-20)	SW846 6010B	07/11-07/13/06	6191457
		Dilution Factor: 1					
Iron	105	(75 - 125)			SW846 6010B	07/11-07/13/06	6191457
	101	(75 - 125)	3.7	(0-20)	SW846 6010B	07/11-07/13/06	6191457
		Dilution Factor: 1					
Magnesium	104	(75 - 125)			SW846 6010B	07/11-07/13/06	6191457
	99	(75 - 125)	4.7	(0-20)	SW846 6010B	07/11-07/13/06	6191457
		Dilution Factor: 1					
Sodium	98	(75 - 125)			SW846 6010B	07/11-07/13/06	6191457
	94	(75 - 125)	4.3	(0-20)	SW846 6010B	07/11-07/13/06	6191457
		Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6F230235 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Mercury	105	(75 - 125)			SW846 7471A	07/13-07/14/06	6195460
	108	(75 - 125)	2.8	(0-20)	SW846 7471A	07/13-07/14/06	6195460

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-0675

General Chemistry

Lot-Sample #...: G6F230235-001 Work Order #...: H74DN Matrix.....: AIR
Date Sampled...: 06/20/06 Date Received..: 06/23/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0194	0.0001	g	CFR50J APDX J	06/28-06/29/06	6180554

Brown and Caldwell

Client Sample ID: P-0676

General Chemistry

Lot-Sample #...: G6F230235-002 Work Order #...: H74DT Matrix.....: AIR
Date Sampled...: 06/20/06 Date Received..: 06/23/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0145	0.0001	g	CFR50J APDX J	06/28-06/29/06	6180554

Brown and Caldwell

Client Sample ID: P-0677

General Chemistry

Lot-Sample #...: G6F230235-003 **Work Order #...:** H74DW **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	**0.0131**	**0.0001**	**g**	**CFR50J APDX J**	**06/28-06/29/06**	**6180554**

Brown and Caldwell

Client Sample ID: P-0678

General Chemistry

Lot-Sample #...: G6F230235-004 Work Order #...: H74D1 Matrix.....: AIR
Date Sampled...: 06/20/06 Date Received..: 06/23/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0210	0.0001	g	CFR50J APDX J	06/28-06/29/06	6180554

Brown and Caldwell

Client Sample ID: P-0679

General Chemistry

Lot-Sample #...: G6F230235-005 Work Order #...: H74D5 Matrix.....: AIR
Date Sampled...: 06/20/06 Date Received..: 06/23/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0418	0.0001	g	CFR50J APDX J	06/28-06/29/06	6180554

Brown and Caldwell

Client Sample ID: P-0680

General Chemistry

Lot-Sample #...: G6F230235-006 Work Order #...: H74D8 Matrix.....: AIR
Date Sampled...: 06/20/06 Date Received..: 06/23/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0240	0.0001	g	CFR50J APDX J	06/28-06/29/06	6180554

Brown and Caldwell

Client Sample ID: P-0681

General Chemistry

Lot-Sample #...: G6F230235-007 **Work Order #...:** H74EA **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0150	0.0001	g	CFR50J APDX J	06/28-06/29/06	6180554

Brown and Caldwell

Client Sample ID: P-0682

General Chemistry

Lot-Sample #...: G6F230235-008 **Work Order #...:** H74ED **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	ND	0.0001	g	CFR50J APDX J	06/28-06/29/06	6180554

Brown and Caldwell

Client Sample ID: 000502

General Chemistry

Lot-Sample #...: G6F230235-009 Work Order #...: H74EF Matrix.....: AIR
Date Sampled...: 06/20/06 Date Received..: 06/23/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0517	0.0001	g	CFR50B APDX B	06/28-06/29/06	6180555

Brown and Caldwell

Client Sample ID: 000503

General Chemistry

Lot-Sample #...: G6F230235-010 Work Order #...: H74EK Matrix.....: AIR
Date Sampled...: 06/20/06 Date Received..: 06/23/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0419	0.0001	g	CFR50B APDX B	06/28-06/29/06	6180555

Brown and Caldwell

Client Sample ID: 000504

General Chemistry

Lot-Sample #...: G6F230235-011 Work Order #...: H74FF Matrix.....: AIR
Date Sampled...: 06/20/06 Date Received..: 06/23/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0310	0.0001	g	CFR50B APDX B	06/28-06/29/06	6180555

Brown and Caldwell

Client Sample ID: 000505

General Chemistry

Lot-Sample #...: G6F230235-012 **Work Order #...:** H74FH **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0496	0.0001	g	CFR50B APDX B	06/28-06/29/06	6180555

Brown and Caldwell

Client Sample ID: 000506

General Chemistry

Lot-Sample #...: G6F230235-013 Work Order #...: H74FM Matrix.....: AIR
Date Sampled...: 06/20/06 Date Received..: 06/23/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.1094	0.0001	g	CFR50B APDX B	06/28-06/29/06	6180555

Brown and Caldwell

Client Sample ID: 000507

General Chemistry

Lot-Sample #...: G6F230235-014 Work Order #...: H74FP Matrix.....: AIR
Date Sampled...: 06/20/06 Date Received..: 06/23/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0581	0.0001	g	CFR50B APDX B	06/28-06/29/06	6180555

Brown and Caldwell

Client Sample ID: 000508

General Chemistry

Lot-Sample #...: G6F230235-015 **Work Order #...:** H74FR **Matrix.....:** AIR
Date Sampled...: 06/20/06 **Date Received..:** 06/23/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	ND	0.0001	g	CFR50B APDX B	06/28-06/29/06	6180555

AIR, Metals – Various Methods

Raw Data Package

ICP

G6F230235

STL Sacramento

RUN SUMMARY

Method: 6010 | PE ICP2 (P05) | Reported: 07/13/06 12:50:35

File ID: JUL1306AX.csv **Analyst: WONGA**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	Calib_Blank_				1.0	07/13/06 07:33		☐
2	Calib_Std_1				1.0	07/13/06 07:36		☐
3	Calib Std 2				1.0	07/13/06 07:39		☐
4	ICV4				1.0	07/13/06 07:41		☐
5	ICB				1.0	07/13/06 07:43		☐
6	PQL				1.0	07/13/06 07:47		☐
7	ICSA				1.0	07/13/06 07:51		☐
8	ICSAB_4.0				1.0	07/13/06 07:53		☐
9	FB1815158				1.0	07/13/06 08:00		☐
10	H8XMFB	G6G100000	6191457	2A	1.0	07/13/06 08:03		☐
11	H8XMFC	G6G100000	6191457	2A	1.0	07/13/06 08:07		☐
12	H8XMFL	G6G100000	6191457	2A	1.0	07/13/06 08:10		☐
13	H74DN	G6F230235-1	6191457	2A	1.0	07/13/06 08:13		☐
14	H74DNP5	G6F230235	6191457		5.0	07/13/06 08:17		☐
15	H74DNZ	G6F230235-1	6191457		1.0	07/13/06 08:21		☐
16	CCV				1.0	07/13/06 08:24		☐
17	CCB				1.0	07/13/06 08:26		☐
18	H74DT	G6F230235-2	6191457	2A	1.0	07/13/06 08:30		☐
19	H74DW	G6F230235-3	6191457	2A	1.0	07/13/06 08:34		☐
20	H74D1	G6F230235-4	6191457	2A	1.0	07/13/06 08:37		☐
21	H74D5	G6F230235-5	6191457	2A	1.0	07/13/06 08:41		☐
22	H74D8	G6F230235-6	6191457	2A	1.0	07/13/06 08:44		☐
23	H74EA	G6F230235-7	6191457	2A	1.0	07/13/06 08:48		☐
24	H74ED	G6F230235-8	6191457	2A	1.0	07/13/06 08:52		☐
25	H74EF	G6F230235-9	6191457	2A	1.0	07/13/06 08:55		☐
26	H74EK	G6F230235-10	6191457	2A	1.0	07/13/06 08:59		☐
27	H74FF	G6F230235-11	6191457	2A	1.0	07/13/06 09:03		☐
28	CCV				1.0	07/13/06 09:06		☐
29	CCB				1.0	07/13/06 09:09		☐
30	H74FH	G6F230235-12	6191457	2A	1.0	07/13/06 09:12		☐
31	H74FM	G6F230235-13	6191457	2A	1.0	07/13/06 09:16		☐
32	H74FP	G6F230235-14	6191457	2A	1.0	07/13/06 09:19		☐
33	H74FR	G6F230235-15	6191457	2A	1.0	07/13/06 09:23		☐
34	CCV				1.0	07/13/06 09:28		☐
35	CCB				1.0	07/13/06 09:30		☐

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6010 () PE ICP2 (P05) Reported: 07/13/06 12:50:35

File ID: JUL1306AX.csv **Analyst: WONGA**

#	Sample ID	Analyzed Date	In Axial	In Radial	Sc Axial	Sc Radial	Y_ Axial	Y_ Radial	Q
1	Calib_Blank_	07/13/06 07:33	0.0	0.0	0.0	0.0	0.0	0.0	☑
2	Calib Std 1	07/13/06 07:36	0.0	0.0	0.0	0.0	0.0	0.0	☑
3	Calib Std 2	07/13/06 07:39	0.0	0.0	0.0	0.0	0.0	0.0	☑
4	ICV4	07/13/06 07:41	97.1	97.8	101.6	99.8	101.0	97.1	☑
5	ICB	07/13/06 07:43	99.4	101.0	102.0	100.7	101.9	100.8	☑
6	PQL	07/13/06 07:47	101.4	99.1	102.2	98.8	102.2	98.9	☑
7	ICSA	07/13/06 07:51	78.1	85.2	87.6	88.5	87.1	88.9	☑
8	ICSAB_4.0	07/13/06 07:53	77.4	85.7	88.8	90.0	88.3	89.2	☑
9	FB1815158	07/13/06 08:00	101.3	104.1	103.7	103.4	103.9	103.9	☑
10	H8XMFB	07/13/06 08:03	101.7	103.1	103.3	102.5	103.4	102.8	☑
11	H8XMFC	07/13/06 08:07	95.0	99.2	98.7	98.6	98.0	97.8	☑
12	H8XMFL	07/13/06 08:10	93.6	98.6	98.4	101.4	97.6	100.5	☑
13	H74DN	07/13/06 08:13	103.0	104.4	103.0	103.8	103.0	104.1	☑
14	H74DNP5	07/13/06 08:17	103.8	100.4	103.3	99.3	103.2	99.6	☑
15	H74DNZ	07/13/06 08:21	95.9	99.4	100.6	100.5	99.9	99.7	☑
16	CCV	07/13/06 08:24	95.5	96.2	99.2	99.8	99.1	96.5	☑
17	CCB	07/13/06 08:26	101.8	101.5	101.1	100.7	100.9	100.8	☑
18	H74DT	07/13/06 08:30	102.2	103.0	102.3	101.9	102.4	102.2	☑
19	H74DW	07/13/06 08:34	102.8	102.3	103.1	101.5	103.2	101.7	☑
20	H74D1	07/13/06 08:37	104.2	102.7	104.6	101.7	104.7	102.0	☑
21	H74D5	07/13/06 08:41	105.8	103.9	105.7	102.5	105.6	102.7	☑
22	H74D8	07/13/06 08:44	104.9	103.1	105.3	102.1	105.3	102.3	☑
23	H74EA	07/13/06 08:48	102.0	100.8	102.0	99.7	102.1	100.0	☑
24	H74ED	07/13/06 08:52	101.2	101.4	102.3	100.4	102.4	100.7	☑
25	H74EF	07/13/06 08:55	100.3	102.8	100.8	101.7	100.8	101.9	☑
26	H74EK	07/13/06 08:59	100.5	104.3	101.0	103.2	101.0	103.5	☑
27	H74FF	07/13/06 09:03	102.1	100.2	102.7	99.3	102.6	99.4	☑
28	CCV	07/13/06 09:06	92.1	93.1	96.8	97.5	95.9	93.2	☑
29	CCB	07/13/06 09:09	100.0	99.7	100.1	98.5	100.0	98.7	☑
30	H74FH	07/13/06 09:12	101.9	101.6	102.3	100.1	102.2	100.4	☑
31	H74FM	07/13/06 09:16	103.5	103.5	102.5	102.3	102.3	102.3	☑
32	H74FP	07/13/06 09:19	102.7	101.6	103.1	100.3	103.0	100.4	☑
33	H74FR	07/13/06 09:23	101.5	101.0	102.6	99.9	102.7	100.4	☑
34	CCV	07/13/06 09:28	93.3	95.8	99.2	98.0	97.2	95.4	☑
35	CCB	07/13/06 09:30	101.5	100.7	103.3	99.5	103.1	99.7	☑

STL Sacramento

ICP Data Review Checklist

SEVERN TRENT STL

Run/Project Information:

Run Date: 07/13/06 Analyst: AWONG Instrument: P05

Prep Batches Run: 6191457

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: 07/13/06

Comments:

2nd Level Reviewer : MJZ Date: 7/14/06

Comments:

7/13/2006 7:18:40 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	529880.7
-1.6	15.0	729068.0
-1.2	15.0	907559.9
-0.8	15.0	1037767.6
-0.4	15.0	1128011.8
0.0	15.0	1119300.8
0.4	15.0	1052562.0
0.8	15.0	906258.2
1.2	15.0	720171.0
1.6	15.0	532461.1
2.0	15.0	390016.6
-0.4	10.0	4288.0
-0.4	10.5	21239.2
-0.4	11.0	51105.9
-0.4	11.5	88794.5
-0.4	12.0	138994.8
-0.4	12.5	314866.7
-0.4	13.0	457200.5
-0.4	13.5	606472.5
-0.4	14.0	808240.9
-0.4	14.5	1060286.7
-0.4	15.0	1145460.5
-0.4	15.5	1129206.9
-0.4	16.0	1073164.3
-0.4	16.5	819018.4
-0.4	17.0	612298.1
-0.4	17.5	471382.0
-0.4	18.0	343399.9
-0.4	18.5	229787.6
-0.4	19.0	100626.0
-0.4	19.5	55481.5
-0.4	20.0	18961.6
-1.2	15.0	905749.7
-0.8	15.0	1053008.4
-0.4	15.0	1160192.1
0.0	15.0	1131614.7
0.4	15.0	1057001.3
-0.4	13.0	489712.7
-0.4	13.5	655200.6
-0.4	14.0	803168.4
-0.4	14.5	1060709.8
-0.4	15.0	1145971.1
-0.4	15.5	1131875.7
-0.4	16.0	1078213.6
-0.4	16.5	775740.3
-0.4	17.0	601850.3

7/13/2006 7:21:15 AM aligned for analyte Mn 257.610
X viewing position set to -0.4 mm having Peak intensity 1145971.1 for Axial viewing
Y viewing position set to 15.0 mm having Peak intensity 1145971.1 for Axial viewing

Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	170.5
-6.5	15.0	222.7
-6.0	15.0	327.3
-5.5	15.0	503.9
-5.0	15.0	995.4
-4.5	15.0	2006.3
-4.0	15.0	3517.4
-3.5	15.0	4547.5

-3.0	15.0	6065.4
-2.5	15.0	8470.6
-2.0	15.0	15087.6
-1.5	15.0	45399.3
-1.0	15.0	78405.0
-0.5	15.0	103670.4
0.0	15.0	98712.9
0.5	15.0	89142.0
1.0	15.0	71811.8
1.5	15.0	53179.3
2.0	15.0	38023.2
2.5	15.0	22058.5
3.0	15.0	8685.4
3.5	15.0	2420.0
4.0	15.0	2211.3
4.5	15.0	1283.7
5.0	15.0	685.4
5.5	15.0	401.9
6.0	15.0	252.4
6.5	15.0	175.6
7.0	15.0	156.8

7/13/2006 7:23:21 AM aligned for analyte Mn 257.610
X viewing position set to -0.5 mm having Peak intensity 103670.4 for Radial viewing

STL Sacramento

Method 6010B Instrument QC Standards

Chemist: AWong

Run Date: 07/13/06

Type of Analysis: Trace ICP (AirTox)

Instrument ID: P05

Standard Expiration Dates Verified: 07/13/06

Standard Name	Standard Logbook ID
STD0 (Cal Blank) / ICB / CCB	2696-16-6
STD1 (Cal Std 1)	2869-05
STD2 (Cal Std 2)	2869-06
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	2869-07
Internal Standard	2696-21-2

QA – 416
ERS 2/1/01

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

Autosampler Location: 5
Date Collected: 7/13/2006 7:33:12 AM
Data Type: Reprocessed on 7/13/2006 9:53:18 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Blank_1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	582566.4	5631.78	0.97%	100.00	%
In Radial	25658.9	477.14	1.86%	100.00	%
Y_ Axial	1544727.2	15584.62	1.01%	100.00	%
Y_ Radial	174151.9	3358.37	1.93%	100.00	%
Sc Axial	2730093.3	28477.40	1.04%	100.00	%
Sc Radial	296573.9	5059.52	1.71%	100.00	%
Al_1 396.153 R†	162.3	38.82	23.92%	[0.00]	mg/L
Al_2 308.215 R†	233.0	15.36	6.59%	[0.00]	mg/L
Ca 315.887 R†	-255.3	149.13	58.41%	[0.00]	mg/L
Fe_1 273.955†	53.1	10.75	20.26%	[0.00]	mg/L
Fe_2 238.863 R†	43.6	6.44	14.76%	[0.00]	mg/L
Mg 279.077 R†	-27.3	18.06	66.19%	[0.00]	mg/L
Na_1 589.592 R†	2707.8	45.90	1.70%	[0.00]	mg/L
Na_2 330.237 R†	44.6	0.31	0.69%	[0.00]	mg/L
Zn 206.200†	33.4	2.64	7.89%	[0.00]	mg/L

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

Autosampler Location: 2
Date Collected: 7/13/2006 7:36:55 AM
Data Type: Reprocessed on 7/13/2006 9:53:19 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Std_1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	528384.7	2790.01	0.53%	90.699	%
In Radial	24321.4	108.12	0.44%	94.787	%
Y_ Axial	1493631.8	5977.32	0.40%	96.692	%
Y_ Radial	166616.8	325.56	0.20%	95.673	%
Sc Axial	2660120.8	11753.82	0.44%	97.437	%
Sc Radial	281192.2	4394.48	1.56%	94.814	%
Al_1 396.153 R†	591880.2	1177.75	0.20%	[50]	mg/L
Al_2 308.215 R†	159070.6	266.30	0.17%	[50]	mg/L
Ca 315.887 R†	796896.9	2507.23	0.31%	[50]	mg/L
Fe_1 273.955†	2211856.4	8198.48	0.37%	[50]	mg/L
Fe_2 238.863 R†	48670.7	599.77	1.23%	[50]	mg/L
Mg 279.077 R†	98461.7	1728.38	1.76%	[50]	mg/L
Na_1 589.592 R†	481487.8	1003.42	0.21%	[50]	mg/L
Na_2 330.237 R†	3581.4	51.54	1.44%	[50]	mg/L
Zn 206.200†	136118.6	601.15	0.44%	[5.0]	mg/L

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

Autosampler Location: 3
Date Collected: 7/13/2006 7:39:13 AM
Data Type: Reprocessed on 7/13/2006 9:53:20 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Std_2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	465292.8	3053.48	0.66%	79.869	%
In Radial	22363.7	96.38	0.43%	87.158	%
Y_ Axial	1393778.6	11231.16	0.81%	90.228	%
Y_ Radial	158053.8	489.88	0.31%	90.756	%
Sc Axial	2474496.7	18155.96	0.73%	90.638	%
Sc Radial	268472.3	999.26	0.37%	90.525	%
Al_2 308.215 R†	809455.3	15956.88	1.97%	[250]	mg/L
Ca_315.887 R†	3931004.9	90224.15	2.30%	[250]	mg/L
Fe_2 238.863 R†	230068.5	41.82	0.02%	[250]	mg/L
Mg_279.077 R†	463557.8	92.40	0.02%	[250]	mg/L
Na_1 589.592 R†	2450776.3	45699.97	1.86%	[250]	mg/L
Na_2 330.237 R†	16068.7	21.44	0.13%	[250]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Al_1 396.153 R	1	Lin Thru 0	0.0	11840	0.00000	1.000000	
Al_2 308.215 R	2	Lin Thru 0	0.0	3236	0.00000	0.999994	
Ca_315.887 R	2	Lin Thru 0	0.0	15730	0.00000	0.999997	
Fe_1 273.955	1	Lin Thru 0	0.0	44240	0.00000	1.000000	
Fe_2 238.863 R	2	Lin Thru 0	0.0	922.3	0.00000	0.999939	
Mg_279.077 R	2	Lin Thru 0	0.0	1859	0.00000	0.999929	
Na_1 589.592 R	2	Lin Thru 0	0.0	9796	0.00000	0.999994	
Na_2 330.237 R	2	Lin Thru 0	0.0	64.56	0.00000	0.999760	
Zn_206.200	1	Lin Thru 0	0.0	27220	0.00000	1.000000	

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

Autosampler Location: 10
Date Collected: 7/13/2006 7:41:32 AM
Data Type: Reprocessed on 7/13/2006 9:53:21 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ICV4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	565423.6	97.057	%	0.5016				0.52%
In Radial	25081.6	97.750	%	1.2437				1.27%
Y_ Axial	1559886.2	100.98	%	1.743				1.73%
Y_ Radial	169134.7	97.119	%	1.1573				1.19%
Sc Axial	2773765.5	101.60	%	1.765				1.74%
Sc Radial	295914.3	99.778	%	0.4146				0.42%
Al_1 396.153 R†	124258.9	10.497	mg/L	0.0863	10.497	mg/L	0.0863	0.82%
Al_2 308.215 R†	32768.3	10.127	mg/L	0.0155	10.127	mg/L	0.0155	0.15%
Ca 315.887 R†	163892.4	10.418	mg/L	0.0178	10.418	mg/L	0.0178	0.17%
Fe_1 273.955†	450915.5	10.193	mg/L	0.2434	10.193	mg/L	0.2434	2.39%
Fe_2 238.863 R†	9765.4	10.588	mg/L	0.0353	10.588	mg/L	0.0353	0.33%
Mg 279.077 R†	19921.6	10.718	mg/L	0.0093	10.718	mg/L	0.0093	0.09%
Na_1 589.592 R†	101367.9	10.347	mg/L	0.0995	10.347	mg/L	0.0995	0.96%
Na_2 330.237 R†	708.9	10.395	mg/L	0.4170	10.395	mg/L	0.4170	4.01%
Zn 206.200†	27672.4	1.0165	mg/L	0.02886	1.0165	mg/L	0.02886	2.84%

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

Autosampler Location: 12
Date Collected: 7/13/2006 7:43:54 AM
Data Type: Reprocessed on 7/13/2006 9:53:22 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	578989.7	99.386	%	0.9779				0.98%
In Radial	25921.2	101.02	%	2.766				2.74%
Y_ Axial	1574565.0	101.93	%	3.945				3.87%
Y_ Radial	175462.8	100.75	%	2.215				2.20%
Sc Axial	2785056.8	102.01	%	3.975				3.90%
Sc Radial	298701.9	100.72	%	2.409				2.39%
Al_1 396.153 R†	-17.9	-0.00151	mg/L	0.004292	-0.00151	mg/L	0.004292	284.58%
Al_2 308.215 R†	-11.3	-0.00348	mg/L	0.000630	-0.00348	mg/L	0.000630	18.08%
Ca 315.887 R†	-169.6	-0.01078	mg/L	0.000588	-0.01078	mg/L	0.000588	5.45%
Fe_1 273.955†	81.1	0.00183	mg/L	0.000591	0.00183	mg/L	0.000591	32.25%
Fe_2 238.863 R†	-6.9	-0.00751	mg/L	0.006490	-0.00751	mg/L	0.006490	86.44%
Mg 279.077 R†	-22.3	-0.01199	mg/L	0.004324	-0.01199	mg/L	0.004324	36.06%
Na_1 589.592 R†	791.5	0.08079	mg/L	0.011998	0.08079	mg/L	0.011998	14.85%
Na_2 330.237 R†	-6.3	-0.09716	mg/L	0.217734	-0.09716	mg/L	0.217734	224.10%
Zn 206.200†	11.3	0.00042	mg/L	0.000037	0.00042	mg/L	0.000037	9.01%

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

Autosampler Location: 38
Date Collected: 7/13/2006 7:47:32 AM
Data Type: Reprocessed on 7/13/2006 9:53:22 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	590977.2	101.44	%	1.739				1.71%
In Radial	25428.2	99.101	%	0.2665				0.27%
Y_ Axial	1578345.5	102.18	%	1.528				1.50%
Y_ Radial	172157.4	98.855	%	0.2620				0.27%
Sc Axial	2788891.0	102.15	%	1.511				1.48%
Sc Radial	293071.7	98.819	%	0.2380				0.24%
Al_1 396.153 R†	1190.8	0.10060	mg/L	0.003810	120.76	mg/L	4.574	3.79%
Al_2 308.215 R†	323.0	0.09983	mg/L	0.001295	119.84	mg/L	1.555	1.30%
Ca 315.887 R†	1477.1	0.09389	mg/L	0.001566	112.72	mg/L	1.881	1.67%
Fe_1 273.955†	1325.9	0.02997	mg/L	0.001157	35.980	mg/L	1.3884	3.86%
Fe_2 238.863 R†	21.2	0.02297	mg/L	0.000251	27.571	mg/L	0.3014	1.09%
Mg 279.077 R†	166.9	0.08981	mg/L	0.000318	107.81	mg/L	0.382	0.35%
Na_1 589.592 R†	2905.5	0.29659	mg/L	0.006492	356.05	mg/L	7.793	2.19%
Na_2 330.237 R†	41.5	0.63919	mg/L	0.258154	767.33	mg/L	309.909	40.39%
Zn 206.200†	150.8	0.00554	mg/L	0.000135	6.6518	mg/L	0.16196	2.43%

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

Autosampler Location: 14
Date Collected: 7/13/2006 7:51:10 AM
Data Type: Reprocessed on 7/13/2006 9:53:24 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	455140.9	78.127	%	0.9130				1.17%
In Radial	21873.8	85.248	%	0.7748				0.91%
Y_ Axial	1346164.4	87.146	%	0.8899				1.02%
Y_ Radial	154898.6	88.945	%	0.7523				0.85%
Sc Axial	2391666.4	87.604	%	0.9083				1.04%
Sc Radial	262444.7	88.492	%	0.9008				1.02%
Al_1 396.153 R†	6156906.2	520.11	mg/L	1.088	520.11	mg/L	1.088	0.21%
Al_2 308.215 R†	1648584.0	509.51	mg/L	1.084	509.51	mg/L	1.084	0.21%
Ca 315.887 R†	7796169.7	495.55	mg/L	0.445	495.55	mg/L	0.445	0.09%
Fe_1 273.955†	8330965.5	188.33	mg/L	0.409	188.33	mg/L	0.409	0.22%
Fe_2 238.863 R†	180982.8	196.23	mg/L	0.006	196.23	mg/L	0.006	0.00%
Mg 279.077 R†	929860.9	500.29	mg/L	2.639	500.29	mg/L	2.639	0.53%
Na_1 589.592 R†	544.6	0.05559	mg/L	0.002070	0.05559	mg/L	0.002070	3.72%
Na_2 330.237 R†	4.0	-1.5554	mg/L	0.27162	-1.5554	mg/L	0.27162	17.46%
Zn 206.200†	285.7	0.01050	mg/L	0.000399	0.01050	mg/L	0.000399	3.81%

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

Autosampler Location: 15
Date Collected: 7/13/2006 7:53:38 AM
Data Type: Reprocessed on 7/13/2006 9:53:25 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ICSAB_4.0

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	450645.5	77.355	%	0.5987				0.77%
In Radial	21984.6	85.680	%	0.3022				0.35%
Y_ Axial	1364736.9	88.348	%	0.6182				0.70%
Y_ Radial	155430.2	89.250	%	0.2702				0.30%
Sc Axial	2425502.8	88.843	%	0.6388				0.72%
Sc Radial	266979.5	90.021	%	3.6025				4.00%
Al_1 396.153 R†	6209192.5	524.53	mg/L	2.772	524.53	mg/L	2.772	0.53%
Al_2 308.215 R†	1676159.3	518.03	mg/L	17.588	518.03	mg/L	17.588	3.40%
Ca 315.887 R†	7890094.8	501.52	mg/L	2.511	501.52	mg/L	2.511	0.50%
Fe_1 273.955†	8363997.9	189.07	mg/L	0.055	189.07	mg/L	0.055	0.03%
Fe_2 238.863 R†	181782.6	197.09	mg/L	0.031	197.09	mg/L	0.031	0.02%
Mg 279.077 R†	948448.5	510.29	mg/L	21.259	510.29	mg/L	21.259	4.17%
Na_1 589.592 R†	356.7	0.03641	mg/L	0.008000	0.03641	mg/L	0.008000	21.97%
Na_2 330.237 R†	31.6	-1.6798	mg/L	0.72205	-1.6798	mg/L	0.72205	42.98%
Zn 206.200†	25346.5	0.93105	mg/L	0.002037	0.93105	mg/L	0.002037	0.22%

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

Autosampler Location: 39
Date Collected: 7/13/2006 8:00:06 AM
Data Type: Reprocessed on 7/13/2006 9:53:27 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	590354.1	101.34	%	0.220				0.22%
In Radial	26720.0	104.14	%	2.055				1.97%
Y_ Axial	1604482.8	103.87	%	1.329				1.28%
Y_ Radial	180877.2	103.86	%	2.238				2.15%
Sc Axial	2831397.2	103.71	%	1.332				1.28%
Sc Radial	306633.0	103.39	%	2.202				2.13%
Al_1 396.153 R†	250.5	0.02116	mg/L	0.004969	25.404	mg/L	5.9657	23.48%
Al_2 308.215 R†	55.6	0.01718	mg/L	0.000576	20.623	mg/L	0.6919	3.35%
Ca_315.887 R†	3837.8	0.24394	mg/L	0.004572	292.85	mg/L	5.488	1.87%
Fe_1 273.955†	804.7	0.01819	mg/L	0.000218	21.838	mg/L	0.2612	1.20%
Fe_2 238.863 R†	-2.2	-0.00243	mg/L	0.001095	-2.9224	mg/L	1.31472	44.99%
Mg_279.077 R†	56.1	0.03019	mg/L	0.004469	36.242	mg/L	5.3653	14.80%
Na_1 589.592 R†	4309.9	0.43995	mg/L	0.008624	528.15	mg/L	10.353	1.96%
Na_2 330.237 R†	17.3	0.26465	mg/L	0.065828	317.71	mg/L	79.026	24.87%
Zn_206.200†	62.9	0.00231	mg/L	0.000047	2.7719	mg/L	0.05628	2.03%

Sequence No.: 10
Sample ID: H8XMFB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 7/13/2006 8:03:49 AM
Data Type: Reprocessed on 7/13/2006 9:54:21 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H8XMFB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	592485.9	101.70	%	0.487				0.48%
In Radial	26444.2	103.06	%	0.002				0.00%
Y_ Axial	1597892.7	103.44	%	1.121				1.08%
Y_ Radial	178968.1	102.77	%	0.335				0.33%
Sc Axial	2820366.6	103.31	%	1.075				1.04%
Sc Radial	303923.0	102.48	%	0.366				0.36%
Al_1 396.153 R†	173.0	0.01462	mg/L	0.000830	17.547	mg/L	0.9966	5.68%
Al_2 308.215 R†	30.7	0.00947	mg/L	0.003297	11.372	mg/L	3.9574	34.80%
Ca 315.887 R†	-28.4	-0.00181	mg/L	0.000413	-2.1671	mg/L	0.49586	22.88%
Fe_1 273.955†	90.8	0.00205	mg/L	0.000744	2.4632	mg/L	0.89267	36.24%
Fe_2 238.863 R†	-4.8	-0.00516	mg/L	0.002284	-6.1982	mg/L	2.74197	44.24%
Mg 279.077 R†	-23.7	-0.01277	mg/L	0.002017	-15.325	mg/L	2.4216	15.80%
Na_1 589.592 R†	-10.8	-0.00111	mg/L	0.010822	-1.3267	mg/L	12.99133	979.22%
Na_2 330.237 R†	-9.1	-0.14171	mg/L	0.100906	-170.13	mg/L	121.136	71.20%
Zn 206.200†	25.7	0.00095	mg/L	0.000164	1.1350	mg/L	0.19701	17.36%

Sequence No.: 11
Sample ID: H8XMFC
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 7/13/2006 8:07:32 AM
Data Type: Reprocessed on 7/13/2006 9:54:22 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H8XMFC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	553701.0	95.045	%	0.0703				0.07%
In Radial	25465.4	99.246	%	0.8475				0.85%
Y_ Axial	1513269.8	97.964	%	0.4468				0.46%
Y_ Radial	170290.9	97.783	%	1.8845				1.93%
Sc Axial	2694534.4	98.698	%	0.4035				0.41%
Sc Radial	292278.5	98.552	%	1.9224				1.95%
Al_1 396.153 R†	24668.0	2.0839	mg/L	0.00577	2501.6	mg/L	6.92	0.28%
Al_2 308.215 R†	6627.7	2.0483	mg/L	0.06035	2459.0	mg/L	72.44	2.95%
Ca 315.887 R†	789281.9	50.170	mg/L	0.0427	60228	mg/L	51.3	0.09%
Fe_1 273.955†	46541.0	1.0521	mg/L	0.00524	1263.0	mg/L	6.29	0.50%
Fe_2 238.863 R†	995.8	1.0797	mg/L	0.03234	1296.1	mg/L	38.83	3.00%
Mg 279.077 R†	96239.3	51.779	mg/L	0.0209	62160	mg/L	25.1	0.04%
Na_1 589.592 R†	480907.8	49.090	mg/L	0.1606	58932	mg/L	192.7	0.33%
Na_2 330.237 R†	3271.4	50.125	mg/L	1.5374	60175	mg/L	1845.6	3.07%
Zn 206.200†	14387.2	0.52848	mg/L	0.001597	634.43	mg/L	1.917	0.30%

Sequence No.: 12
Sample ID: H8XMFL
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 7/13/2006 8:10:31 AM
Data Type: Reprocessed on 7/13/2006 9:54:23 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H8XMFL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	545518.3	93.641	%	0.4690				0.50%
In Radial	25295.0	98.582	%	1.5107				1.53%
Y_ Axial	1507953.2	97.619	%	0.5840				0.60%
Y_ Radial	175056.2	100.52	%	10.729				10.67%
Sc Axial	2686192.9	98.392	%	0.5396				0.55%
Sc Radial	300814.0	101.43	%	10.919				10.76%
Al_1 396.153 R†	23571.2	1.9912	mg/L	0.26624	2390.4	mg/L	319.62	13.37%
Al_2 308.215 R†	6312.1	1.9508	mg/L	0.20561	2341.9	mg/L	246.83	10.54%
Ca 315.887 R†	753793.6	47.914	mg/L	6.5540	57520	mg/L	7867.9	13.68%
Fe_1 273.955†	44841.5	1.0137	mg/L	0.01066	1216.9	mg/L	12.80	1.05%
Fe_2 238.863 R†	948.9	1.0288	mg/L	0.10742	1235.1	mg/L	128.95	10.44%
Mg 279.077 R†	91824.9	49.404	mg/L	6.8033	59308	mg/L	8167.2	13.77%
Na_1 589.592 R†	460466.9	47.004	mg/L	6.4832	56427	mg/L	7783.0	13.79%
Na_2 330.237 R†	3112.2	47.680	mg/L	4.3374	57239	mg/L	5207.0	9.10%
Zn 206.200†	13878.4	0.50979	mg/L	0.004973	611.99	mg/L	5.970	0.98%

Sequence No.: 13
Sample ID: H74DN
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 7/13/2006 8:13:58 AM
Data Type: Reprocessed on 7/13/2006 9:54:24 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74DN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	600313.2	103.05	%	0.523				0.51%
In Radial	26783.0	104.38	%	0.842				0.81%
Y_ Axial	1591213.5	103.01	%	0.531				0.52%
Y_ Radial	181238.6	104.07	%	0.806				0.77%
Sc Axial	2812473.0	103.02	%	0.472				0.46%
Sc Radial	307772.8	103.78	%	0.759				0.73%
Al_1 396.153 R†	2713.6	0.22923	mg/L	0.002610	275.19	mg/L	3.133	1.14%
Al_2 308.215 R†	715.8	0.22121	mg/L	0.000498	265.56	mg/L	0.598	0.23%
Ca 315.887 R†	8348.0	0.53063	mg/L	0.004131	637.01	mg/L	4.959	0.78%
Fe_1 273.955†	11342.0	0.25639	mg/L	0.002424	307.79	mg/L	2.910	0.95%
Fe_2 238.863 R†	219.1	0.23757	mg/L	0.003587	285.20	mg/L	4.306	1.51%
Mg 279.077 R†	287.6	0.15476	mg/L	0.006640	185.79	mg/L	7.971	4.29%
Na_1 589.592 R†	5678.3	0.57962	mg/L	0.008640	695.83	mg/L	10.372	1.49%
Na_2 330.237 R†	16.1	0.24309	mg/L	0.226887	291.82	mg/L	272.374	93.34%
Zn 206.200†	232.5	0.00854	mg/L	0.000013	10.251	mg/L	0.0161	0.16%

Sequence No.: 14
Sample ID: H74DNP5
Analyst: AWW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 44
Date Collected: 7/13/2006 8:17:32 AM
Data Type: Reprocessed on 7/13/2006 9:54:24 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74DNP5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	604422.7	103.75	%	0.324				0.31%
In Radial	25768.3	100.43	%	1.097				1.09%
Y_ Axial	1594351.0	103.21	%	0.911				0.88%
Y_ Radial	173406.6	99.572	%	0.8142				0.82%
Sc Axial	2820571.7	103.31	%	0.890				0.86%
Sc Radial	294595.7	99.333	%	0.7027				0.71%
Al_1 396.153 R†	607.2	0.05130	mg/L	0.001864	307.91	mg/L	11.188	3.63%
Al_2 308.215 R†	134.1	0.04145	mg/L	0.005450	248.77	mg/L	32.713	13.15%
Ca 315.887 R†	1631.4	0.10370	mg/L	0.000504	622.45	mg/L	3.028	0.49%
Fe_1 273.955†	2219.3	0.05017	mg/L	0.001463	301.13	mg/L	8.781	2.92%
Fe_2 238.863 R†	37.6	0.04072	mg/L	0.008880	244.43	mg/L	53.299	21.81%
Mg 279.077 R†	30.8	0.01655	mg/L	0.009153	99.337	mg/L	54.9380	55.30%
Na_1 589.592 R†	1240.8	0.12666	mg/L	0.004150	760.28	mg/L	24.908	3.28%
Na_2 330.237 R†	13.5	0.20752	mg/L	0.160270	1245.6	mg/L	962.01	77.23%
Zn 206.200†	54.2	0.00199	mg/L	0.000002	11.959	mg/L	0.0137	0.11%

Sequence No.: 15
Sample ID: H74DNZ
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 7/13/2006 8:21:09 AM
Data Type: Reprocessed on 7/13/2006 9:54:25 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74DNZ

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	558913.2	95.940	%	1.0372				1.08%
In Radial	25496.4	99.367	%	0.8327				0.84%
Y_ Axial	1543014.7	99.889	%	0.2669				0.27%
Y_ Radial	173619.4	99.694	%	0.1504				0.15%
Sc Axial	2747029.4	100.62	%	0.263				0.26%
Sc Radial	298198.2	100.55	%	0.256				0.25%
Al_1 396.153 R†	27256.2	2.3025	mg/L	0.00804	2764.1	mg/L	9.66	0.35%
Al_2 308.215 R†	7196.3	2.2241	mg/L	0.00957	2670.0	mg/L	11.49	0.43%
Ca 315.887 R†	792296.0	50.361	mg/L	0.2418	60458	mg/L	290.3	0.48%
Fe_1 273.955†	56242.5	1.2714	mg/L	0.00971	1526.3	mg/L	11.65	0.76%
Fe_2 238.863 R†	1201.2	1.3024	mg/L	0.00820	1563.5	mg/L	9.84	0.63%
Mg 279.077 R†	96105.1	51.707	mg/L	0.1850	62073	mg/L	222.1	0.36%
Na_1 589.592 R†	485216.6	49.530	mg/L	0.2055	59460	mg/L	246.8	0.41%
Na_2 330.237 R†	3249.6	49.788	mg/L	0.2658	59770	mg/L	319.0	0.53%
Zn 206.200†	14308.7	0.52560	mg/L	0.004184	630.97	mg/L	5.023	0.80%

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

Autosampler Location: 7
Date Collected: 7/13/2006 8:24:38 AM
Data Type: Reprocessed on 7/13/2006 9:54:27 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	556583.2	95.540	%	0.8690				0.91%
In Radial	24695.8	96.247	%	0.0331				0.03%
Y_ Axial	1530163.7	99.057	%	0.9792				0.99%
Y_ Radial	168017.3	96.477	%	0.3380				0.35%
Sc Axial	2708482.4	99.208	%	0.4844				0.49%
Sc Radial	296076.4	99.832	%	1.6888				1.69%
Al_1 396.153 R†	304467.5	25.720	mg/L	0.3201	25.720	mg/L	0.3201	1.24%
Al_2 308.215 R†	80771.1	24.963	mg/L	0.0395	24.963	mg/L	0.0395	0.16%
Ca 315.887 R†	412674.8	26.231	mg/L	0.4042	26.231	mg/L	0.4042	1.54%
Fe_1 273.955†	1128030.9	25.500	mg/L	0.0355	25.500	mg/L	0.0355	0.14%
Fe_2 238.863 R†	23982.2	26.002	mg/L	0.0328	26.002	mg/L	0.0328	0.13%
Mg 279.077 R†	48564.8	26.129	mg/L	0.0514	26.129	mg/L	0.0514	0.20%
Na_1 589.592 R†	247568.9	25.271	mg/L	0.3283	25.271	mg/L	0.3283	1.30%
Na_2 330.237 R†	1760.9	25.785	mg/L	0.9346	25.785	mg/L	0.9346	3.62%
Zn 206.200†	70410.5	2.5864	mg/L	0.00488	2.5864	mg/L	0.00488	0.19%

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

Autosampler Location: 5
Date Collected: 7/13/2006 8:26:58 AM
Data Type: Reprocessed on 7/13/2006 9:54:27 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	592995.0	101.79	%	0.046				0.04%
In Radial	26040.0	101.49	%	0.817				0.81%
Y_ Axial	1558517.9	100.89	%	2.446				2.42%
Y_ Radial	175575.9	100.82	%	0.506				0.50%
Sc Axial	2760576.6	101.12	%	2.393				2.37%
Sc Radial	298592.1	100.68	%	0.551				0.55%
Al_1 396.153 R†	-19.8	-0.00167	mg/L	0.001024	-0.00167	mg/L	0.001024	61.26%
Al_2 308.215 R†	-31.2	-0.00963	mg/L	0.001182	-0.00963	mg/L	0.001182	12.27%
Ca 315.887 R†	-174.9	-0.01112	mg/L	0.000658	-0.01112	mg/L	0.000658	5.92%
Fe_1 273.955†	89.7	0.00203	mg/L	0.000033	0.00203	mg/L	0.000033	1.62%
Fe_2 238.863 R†	-9.0	-0.00978	mg/L	0.002883	-0.00978	mg/L	0.002883	29.47%
Mg 279.077 R†	-18.3	-0.00983	mg/L	0.002906	-0.00983	mg/L	0.002906	29.55%
Na_1 589.592 R†	226.3	0.02310	mg/L	0.003324	0.02310	mg/L	0.003324	14.39%
Na_2 330.237 R†	-0.4	-0.00565	mg/L	0.315192	-0.00565	mg/L	0.315192	>999.9%
Zn 206.200†	8.4	0.00031	mg/L	0.000045	0.00031	mg/L	0.000045	14.49%

Sequence No.: 18
Sample ID: H74DT
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 7/13/2006 8:30:38 AM
Data Type: Reprocessed on 7/13/2006 9:54:28 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74DT

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	595590.9	102.24	%	0.129				0.13%
In Radial	26425.5	102.99	%	2.318				2.25%
Y_ Axial	1581484.1	102.38	%	0.160				0.16%
Y_ Radial	177926.2	102.17	%	2.275				2.23%
Sc Axial	2793950.5	102.34	%	0.155				0.15%
Sc Radial	302269.4	101.92	%	2.184				2.14%
Al_1 396.153 R†	2541.5	0.21470	mg/L	0.003550	257.74	mg/L	4.262	1.65%
Al_2 308.215 R†	676.3	0.20902	mg/L	0.001763	250.92	mg/L	2.116	0.84%
Ca 315.887 R†	7695.2	0.48914	mg/L	0.001707	587.20	mg/L	2.049	0.35%
Fe_1 273.955†	9723.2	0.21980	mg/L	0.000701	263.86	mg/L	0.842	0.32%
Fe_2 238.863 R†	190.2	0.20618	mg/L	0.004592	247.52	mg/L	5.512	2.23%
Mg 279.077 R†	248.9	0.13394	mg/L	0.004294	160.79	mg/L	5.155	3.21%
Na_1 589.592 R†	4949.0	0.50518	mg/L	0.005535	606.46	mg/L	6.644	1.10%
Na_2 330.237 R†	13.9	0.20913	mg/L	0.212929	251.06	mg/L	255.617	101.82%
Zn 206.200†	194.7	0.00715	mg/L	0.000044	8.5873	mg/L	0.05329	0.62%

Sequence No.: 19
Sample ID: H74DW
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 7/13/2006 8:34:14 AM
Data Type: Reprocessed on 7/13/2006 9:54:29 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74DW

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	598894.4	102.80	%	0.488				0.47%
In Radial	26257.0	102.33	%	1.173				1.15%
Y_ Axial	1594627.5	103.23	%	0.514				0.50%
Y_ Radial	177155.2	101.72	%	1.231				1.21%
Sc Axial	2815362.9	103.12	%	0.544				0.53%
Sc Radial	301049.9	101.51	%	1.271				1.25%
Al_1 396.153 R†	2343.7	0.19799	mg/L	0.004681	237.68	mg/L	5.620	2.36%
Al_2 308.215 R†	614.0	0.18978	mg/L	0.003597	227.82	mg/L	4.318	1.90%
Ca 315.887 R†	8571.1	0.54481	mg/L	0.001573	654.04	mg/L	1.888	0.29%
Fe_1 273.955†	10323.3	0.23336	mg/L	0.000996	280.15	mg/L	1.195	0.43%
Fe_2 238.863 R†	201.0	0.21792	mg/L	0.008653	261.61	mg/L	10.388	3.97%
Mg 279.077 R†	255.8	0.13763	mg/L	0.002553	165.23	mg/L	3.065	1.86%
Na_1 589.592 R†	5261.7	0.53710	mg/L	0.012227	644.78	mg/L	14.678	2.28%
Na_2 330.237 R†	28.3	0.43294	mg/L	0.143719	519.74	mg/L	172.532	33.20%
Zn 206.200†	179.6	0.00660	mg/L	0.000107	7.9189	mg/L	0.12828	1.62%

Sequence No.: 20
Sample ID: H74D1
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 7/13/2006 8:37:47 AM
Data Type: Reprocessed on 7/13/2006 9:54:30 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74D1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	607015.7	104.20	%	1.180				1.13%
In Radial	26360.4	102.73	%	0.459				0.45%
Y_ Axial	1617159.9	104.69	%	0.979				0.94%
Y_ Radial	177666.8	102.02	%	0.331				0.32%
Sc Axial	2856161.6	104.62	%	1.110				1.06%
Sc Radial	301735.8	101.74	%	0.329				0.32%
Al_1 396.153 R†	3242.3	0.27390	mg/L	0.003986	328.81	mg/L	4.785	1.46%
Al_2 308.215 R†	854.6	0.26413	mg/L	0.001591	317.08	mg/L	1.910	0.60%
Ca 315.887 R†	9745.7	0.61947	mg/L	0.009822	743.67	mg/L	11.792	1.59%
Fe_1 273.955†	14862.0	0.33596	mg/L	0.001799	403.31	mg/L	2.160	0.54%
Fe_2 238.863 R†	307.5	0.33338	mg/L	0.000928	400.21	mg/L	1.114	0.28%
Mg 279.077 R†	388.2	0.20888	mg/L	0.002903	250.75	mg/L	3.486	1.39%
Na_1 589.592 R†	5231.9	0.53406	mg/L	0.000510	641.13	mg/L	0.613	0.10%
Na_2 330.237 R†	11.4	0.16854	mg/L	0.139565	202.33	mg/L	167.544	82.81%
Zn 206.200†	297.5	0.01093	mg/L	0.000135	13.119	mg/L	0.1615	1.23%

Sequence No.: 21
Sample ID: H74D5
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 7/13/2006 8:41:21 AM
Data Type: Reprocessed on 7/13/2006 9:54:30 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74D5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	616250.4	105.78	%	0.904				0.85%
In Radial	26658.2	103.89	%	0.046				0.04%
Y_ Axial	1631756.7	105.63	%	0.734				0.70%
Y_ Radial	178853.0	102.70	%	0.077				0.07%
Sc Axial	2886464.5	105.73	%	0.765				0.72%
Sc Radial	303986.7	102.50	%	0.128				0.13%
Al_1 396.153 R†	6910.8	0.58380	mg/L	0.006371	700.84	mg/L	7.648	1.09%
Al_2 308.215 R†	1862.7	0.57569	mg/L	0.002000	691.10	mg/L	2.401	0.35%
Ca 315.887 R†	11945.6	0.75931	mg/L	0.000094	911.53	mg/L	0.113	0.01%
Fe_1 273.955†	48543.5	1.0973	mg/L	0.00422	1317.3	mg/L	5.06	0.38%
Fe_2 238.863 R†	1015.9	1.1015	mg/L	0.00588	1322.3	mg/L	7.06	0.53%
Mg 279.077 R†	650.6	0.35001	mg/L	0.003049	420.19	mg/L	3.661	0.87%
Na_1 589.592 R†	10472.9	1.0690	mg/L	0.00217	1283.4	mg/L	2.60	0.20%
Na_2 330.237 R†	41.8	0.64442	mg/L	0.213249	773.62	mg/L	256.001	33.09%
Zn 206.200†	163.7	0.00601	mg/L	0.000207	7.2194	mg/L	0.24859	3.44%

Sequence No.: 22
Sample ID: H74D8
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 7/13/2006 8:44:56 AM
Data Type: Reprocessed on 7/13/2006 9:54:32 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74D8

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	611296.0	104.93	%	0.160				0.15%
In Radial	26451.6	103.09	%	1.167				1.13%
Y_ Axial	1626335.5	105.28	%	0.265				0.25%
Y_ Radial	178192.1	102.32	%	1.143				1.12%
Sc Axial	2874854.0	105.30	%	0.201				0.19%
Sc Radial	302740.0	102.08	%	1.089				1.07%
Al_1 396.153 R†	4348.0	0.36731	mg/L	0.003409	440.94	mg/L	4.092	0.93%
Al_2 308.215 R†	1220.7	0.37728	mg/L	0.005608	452.92	mg/L	6.732	1.49%
Ca 315.887 R†	9959.4	0.63306	mg/L	0.002900	759.97	mg/L	3.482	0.46%
Fe_1 273.955†	18191.3	0.41122	mg/L	0.003074	493.66	mg/L	3.690	0.75%
Fe_2 238.863 R†	385.4	0.41782	mg/L	0.007091	501.58	mg/L	8.512	1.70%
Mg 279.077 R†	467.9	0.25176	mg/L	0.003471	302.23	mg/L	4.166	1.38%
Na_1 589.592 R†	5684.2	0.58023	mg/L	0.010928	696.55	mg/L	13.118	1.88%
Na_2 330.237 R†	20.7	0.31687	mg/L	0.056770	380.39	mg/L	68.151	17.92%
Zn 206.200†	153.6	0.00564	mg/L	0.000001	6.7713	mg/L	0.00141	0.02%

Sequence No.: 23
Sample ID: H74EA
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 7/13/2006 8:48:32 AM
Data Type: Reprocessed on 7/13/2006 9:54:34 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74EA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	594260.4	102.01	%	2.275				2.23%
In Radial	25864.3	100.80	%	0.042				0.04%
Y_ Axial	1576629.9	102.07	%	2.144				2.10%
Y_ Radial	174187.4	100.02	%	0.475				0.48%
Sc Axial	2785428.0	102.03	%	2.200				2.16%
Sc Radial	295825.7	99.748	%	0.5025				0.50%
Al_1 396.153 R†	2893.9	0.24447	mg/L	0.002763	293.48	mg/L	3.317	1.13%
Al_2 308.215 R†	785.9	0.24290	mg/L	0.000534	291.60	mg/L	0.642	0.22%
Ca 315.887 R†	8761.7	0.55693	mg/L	0.017037	668.58	mg/L	20.453	3.06%
Fe_1 273.955†	12087.8	0.27325	mg/L	0.002171	328.03	mg/L	2.606	0.79%
Fe_2 238.863 R†	240.2	0.26039	mg/L	0.012682	312.59	mg/L	15.224	4.87%
Mg 279.077 R†	309.0	0.16624	mg/L	0.000955	199.56	mg/L	1.146	0.57%
Na_1 589.592 R†	5351.8	0.54630	mg/L	0.022808	655.82	mg/L	27.381	4.18%
Na_2 330.237 R†	20.4	0.31152	mg/L	0.059534	373.97	mg/L	71.470	19.11%
Zn 206.200†	136.4	0.00501	mg/L	0.000252	6.0134	mg/L	0.30238	5.03%

Sequence No.: 24
Sample ID: H74ED
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 7/13/2006 8:52:10 AM
Data Type: Reprocessed on 7/13/2006 9:54:36 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74ED

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	589577.8	101.20	%	0.333				0.33%
In Radial	26018.9	101.40	%	0.194				0.19%
Y_ Axial	1581704.0	102.39	%	1.934				1.89%
Y_ Radial	175291.0	100.65	%	0.192				0.19%
Sc Axial	2792435.2	102.28	%	1.889				1.85%
Sc Radial	297618.6	100.35	%	0.270				0.27%
Al_1 396.153 R†	166.0	0.01402	mg/L	0.001142	16.834	mg/L	1.3711	8.14%
Al_2 308.215 R†	28.6	0.00883	mg/L	0.000320	10.599	mg/L	0.3844	3.63%
Ca 315.887 R†	3598.2	0.22871	mg/L	0.003255	274.57	mg/L	3.907	1.42%
Fe_1 273.955†	597.5	0.01351	mg/L	0.000067	16.215	mg/L	0.0805	0.50%
Fe_2 238.863 R†	6.7	0.00729	mg/L	0.008777	8.7507	mg/L	10.53639	120.41%
Mg 279.077 R†	36.8	0.01977	mg/L	0.009800	23.739	mg/L	11.7652	49.56%
Na_1 589.592 R†	4688.8	0.47863	mg/L	0.006255	574.58	mg/L	7.509	1.31%
Na_2 330.237 R†	24.2	0.37260	mg/L	0.243063	447.30	mg/L	291.792	65.23%
Zn 206.200†	46.7	0.00171	mg/L	0.000038	2.0575	mg/L	0.04591	2.23%

Sequence No.: 25
Sample ID: H74EF
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 7/13/2006 8:55:51 AM
Data Type: Reprocessed on 7/13/2006 9:54:37 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74EF

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
In Axial	584070.7	100.26	%	0.533				0.53%
In Radial	26371.7	102.78	%	0.054				0.05%
Y_ Axial	1556730.5	100.78	%	0.470				0.47%
Y_ Radial	177423.8	101.88	%	0.085				0.08%
Sc Axial	2753024.6	100.84	%	0.456				0.45%
Sc Radial	301562.4	101.68	%	0.102				0.10%
Al_1 396.153 R†	8712.5	0.73600	mg/L	0.011778	883.56	mg/L	14.140	1.60%
Al_2 308.215 R†	2339.8	0.72315	mg/L	0.002974	868.12	mg/L	3.570	0.41%
Ca 315.887 R†	15571.5	0.98978	mg/L	0.003758	1188.2	mg/L	4.51	0.38%
Fe_1 273.955†	35732.7	0.80775	mg/L	0.002083	969.69	mg/L	2.501	0.26%
Fe_2 238.863 R†	733.0	0.79476	mg/L	0.007582	954.09	mg/L	9.101	0.95%
Mg 279.077 R†	787.2	0.42353	mg/L	0.007550	508.44	mg/L	9.064	1.78%
Na_1 589.592 R†	5989.6	0.61141	mg/L	0.006065	733.99	mg/L	7.281	0.99%
Na_2 330.237 R†	34.7	0.53129	mg/L	0.018063	637.81	mg/L	21.684	3.40%
Zn 206.200†	218.4	0.00802	mg/L	0.000072	9.6303	mg/L	0.08605	0.89%

Sequence No.: 26
Sample ID: H74EK
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 7/13/2006 8:59:27 AM
Data Type: Reprocessed on 7/13/2006 9:54:39 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74EK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	585420.6	100.49	%	1.380				1.37%
In Radial	26754.5	104.27	%	0.027				0.03%
Y_ Axial	1560155.9	101.00	%	1.241				1.23%
Y_ Radial	180191.8	103.47	%	0.262				0.25%
Sc Axial	2758219.8	101.03	%	1.259				1.25%
Sc Radial	306128.9	103.22	%	0.280				0.27%
Al_1 396.153 R†	6295.1	0.53179	mg/L	0.004774	638.40	mg/L	5.732	0.90%
Al_2 308.215 R†	1646.8	0.50897	mg/L	0.002166	611.01	mg/L	2.600	0.43%
Ca 315.887 R†	12046.4	0.76571	mg/L	0.001820	919.22	mg/L	2.185	0.24%
Fe_1 273.955†	24321.9	0.54981	mg/L	0.005989	660.03	mg/L	7.190	1.09%
Fe_2 238.863 R†	472.1	0.51191	mg/L	0.014715	614.53	mg/L	17.665	2.87%
Mg 279.077 R†	540.3	0.29070	mg/L	0.009602	348.98	mg/L	11.527	3.30%
Na_1 589.592 R†	5399.3	0.55115	mg/L	0.000840	661.65	mg/L	1.008	0.15%
Na_2 330.237 R†	22.0	0.33523	mg/L	0.173452	402.43	mg/L	208.226	51.74%
Zn 206.200†	198.6	0.00729	mg/L	0.000134	8.7569	mg/L	0.16121	1.84%

Sequence No.: 27
Sample ID: H74FF
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 7/13/2006 9:03:01 AM
Data Type: Reprocessed on 7/13/2006 9:54:39 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74FF

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	594731.1	102.09	%	1.184				1.16%
In Radial	25719.4	100.24	%	2.294				2.29%
Y_ Axial	1584583.9	102.58	%	1.119				1.09%
Y_ Radial	173186.0	99.445	%	1.9987				2.01%
Sc Axial	2803108.0	102.67	%	1.131				1.10%
Sc Radial	294429.8	99.277	%	2.1922				2.21%
Al_1 396.153 R†	4637.3	0.39174	mg/L	0.000689	470.28	mg/L	0.827	0.18%
Al_2 308.215 R†	1255.9	0.38815	mg/L	0.009215	465.97	mg/L	11.063	2.37%
Ca 315.887 R†	13589.5	0.86380	mg/L	0.002582	1037.0	mg/L	3.10	0.30%
Fe_1 273.955†	20368.8	0.46045	mg/L	0.006603	552.76	mg/L	7.927	1.43%
Fe_2 238.863 R†	420.3	0.45568	mg/L	0.006667	547.03	mg/L	8.004	1.46%
Mg 279.077 R†	503.8	0.27104	mg/L	0.001617	325.38	mg/L	1.941	0.60%
Na_1 589.592 R†	5917.4	0.60403	mg/L	0.006868	725.13	mg/L	8.245	1.14%
Na_2 330.237 R†	32.4	0.49463	mg/L	0.266252	593.79	mg/L	319.631	53.83%
Zn 206.200†	215.0	0.00790	mg/L	0.000131	9.4823	mg/L	0.15726	1.66%

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

Autosampler Location: 7
Date Collected: 7/13/2006 9:06:38 AM
Data Type: Reprocessed on 7/13/2006 9:54:41 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	536341.3	92.065	%	1.6697				1.81%
In Radial	23882.0	93.075	%	0.0524				0.06%
Y_ Axial	1482122.4	95.947	%	1.8231				1.90%
Y_ Radial	162228.0	93.153	%	0.0544				0.06%
Sc Axial	2641835.9	96.767	%	0.3409				0.35%
Sc Radial	289181.4	97.507	%	1.2629				1.30%
Al_1 396.153 R†	313577.3	26.490	mg/L	0.3124	26.490	mg/L	0.3124	1.18%
Al_2 308.215 R†	82560.2	25.516	mg/L	0.0193	25.516	mg/L	0.0193	0.08%
Ca 315.887 R†	425086.4	27.020	mg/L	0.4127	27.020	mg/L	0.4127	1.53%
Fe_1 273.955†	1150287.6	26.003	mg/L	0.0345	26.003	mg/L	0.0345	0.13%
Fe_2 238.863 R†	24501.4	26.565	mg/L	0.0657	26.565	mg/L	0.0657	0.25%
Mg 279.077 R†	49399.2	26.578	mg/L	0.0326	26.578	mg/L	0.0326	0.12%
Na_1 589.592 R†	254629.3	25.992	mg/L	0.3110	25.992	mg/L	0.3110	1.20%
Na_2 330.237 R†	1810.4	26.508	mg/L	0.0481	26.508	mg/L	0.0481	0.18%
Zn 206.200†	72402.0	2.6595	mg/L	0.00644	2.6595	mg/L	0.00644	0.24%

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

Autosampler Location: 5
Date Collected: 7/13/2006 9:09:01 AM
Data Type: Reprocessed on 7/13/2006 9:54:42 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	582830.6	100.05	%	1.736				1.74%
In Radial	25571.4	99.659	%	2.2223				2.23%
Y_ Axial	1545217.2	100.03	%	0.380				0.38%
Y_ Radial	171823.8	98.663	%	2.2434				2.27%
Sc Axial	2733618.4	100.13	%	0.384				0.38%
Sc Radial	292095.8	98.490	%	2.1712				2.20%
Al_1 396.153 Rt	8.6	0.00073	mg/L	0.003708	0.00073	mg/L	0.003708	510.18%
Al_2 308.215 Rt	7.4	0.00228	mg/L	0.007170	0.00228	mg/L	0.007170	315.02%
Ca 315.887 Rt	-176.1	-0.01119	mg/L	0.001537	-0.01119	mg/L	0.001537	13.74%
Fe_1 273.955†	82.7	0.00187	mg/L	0.000026	0.00187	mg/L	0.000026	1.37%
Fe_2 238.863 Rt	-8.3	-0.00903	mg/L	0.000563	-0.00903	mg/L	0.000563	6.23%
Mg 279.077 Rt	-30.0	-0.01615	mg/L	0.003685	-0.01615	mg/L	0.003685	22.82%
Na_1 589.592 Rt	114.2	0.01166	mg/L	0.007677	0.01166	mg/L	0.007677	65.86%
Na_2 330.237 Rt	2.8	0.04286	mg/L	0.073214	0.04286	mg/L	0.073214	170.81%
Zn 206.200†	6.7	0.00025	mg/L	0.000084	0.00025	mg/L	0.000084	34.00%

Sequence No.: 30
Sample ID: H74FH
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 7/13/2006 9:12:40 AM
Data Type: Reprocessed on 7/13/2006 9:54:44 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74FH

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	593442.9	101.87	%	1.799				1.77%
In Radial	26073.2	101.61	%	0.254				0.25%
Y_ Axial	1579427.6	102.25	%	1.824				1.78%
Y_ Radial	174771.6	100.36	%	0.660				0.66%
Sc Axial	2793358.4	102.32	%	1.867				1.82%
Sc Radial	296898.8	100.11	%	0.666				0.67%
Al_1 396.153 R†	9048.6	0.76439	mg/L	0.200975	917.64	mg/L	241.267	26.29%
Al_2 308.215 R†	2069.2	0.63949	mg/L	0.018265	767.69	mg/L	21.927	2.86%
Ca 315.887 R†	17801.3	1.1315	mg/L	0.00959	1358.4	mg/L	11.52	0.85%
Fe_1 273.955†	34075.0	0.77028	mg/L	0.002570	924.71	mg/L	3.085	0.33%
Fe_2 238.863 R†	716.1	0.77639	mg/L	0.011465	932.05	mg/L	13.764	1.48%
Mg 279.077 R†	861.0	0.46322	mg/L	0.003117	556.08	mg/L	3.742	0.67%
Na_1 589.592 R†	6571.0	0.67075	mg/L	0.016016	805.23	mg/L	19.227	2.39%
Na_2 330.237 R†	42.1	0.64021	mg/L	0.003031	768.56	mg/L	3.639	0.47%
Zn 206.200†	459.1	0.01686	mg/L	0.000533	20.246	mg/L	0.6400	3.16%

Sequence No.: 31
Sample ID: H74FM
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 7/13/2006 9:16:14 AM
Data Type: Reprocessed on 7/13/2006 9:54:46 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74FM

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	602981.4	103.50	%	0.662				0.64%
In Radial	26558.6	103.51	%	0.798				0.77%
Y_ Axial	1580704.7	102.33	%	0.636				0.62%
Y_ Radial	178213.2	102.33	%	0.525				0.51%
Sc Axial	2799263.3	102.53	%	0.624				0.61%
Sc Radial	303278.9	102.26	%	0.508				0.50%
Al_1 396.153 R†	15072.3	1.2733	mg/L	0.01679	1528.5	mg/L	20.16	1.32%
Al_2 308.215 R†	4025.5	1.2441	mg/L	0.00467	1493.5	mg/L	5.61	0.38%
Ca 315.887 R†	21242.7	1.3503	mg/L	0.00019	1621.0	mg/L	0.22	0.01%
Fe_1 273.955†	103013.5	2.3287	mg/L	0.00816	2795.5	mg/L	9.80	0.35%
Fe_2 238.863 R†	2105.0	2.2822	mg/L	0.00383	2739.8	mg/L	4.60	0.17%
Mg 279.077 R†	1406.4	0.75669	mg/L	0.000637	908.39	mg/L	0.765	0.08%
Na_1 589.592 R†	21262.5	2.1704	mg/L	0.02697	2605.6	mg/L	32.38	1.24%
Na_2 330.237 R†	115.8	1.7913	mg/L	0.02970	2150.5	mg/L	35.66	1.66%
Zn 206.200†	314.1	0.01154	mg/L	0.000296	13.852	mg/L	0.3555	2.57%

Sequence No.: 32
Sample ID: H74FP
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 7/13/2006 9:19:47 AM
Data Type: Reprocessed on 7/13/2006 9:54:46 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74FP

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	598109.0	102.67	%	0.567				0.55%
In Radial	26070.1	101.60	%	1.594				1.57%
Y_ Axial	1591182.3	103.01	%	0.611				0.59%
Y_ Radial	174882.9	100.42	%	1.358				1.35%
Sc Axial	2815576.9	103.13	%	0.547				0.53%
Sc Radial	297381.4	100.27	%	1.475				1.47%
Al_1 396.153 R†	10225.4	0.86381	mg/L	0.014246	1037.0	mg/L	17.10	1.65%
Al_2 308.215 R†	2834.0	0.87586	mg/L	0.019226	1051.5	mg/L	23.08	2.20%
Ca 315.887 R†	19892.2	1.2644	mg/L	0.00514	1517.9	mg/L	6.17	0.41%
Fe_1 273.955†	44380.3	1.0032	mg/L	0.00435	1204.4	mg/L	5.22	0.43%
Fe_2 238.863 R†	933.1	1.0117	mg/L	0.02184	1214.5	mg/L	26.21	2.16%
Mg 279.077 R†	1046.2	0.56290	mg/L	0.014066	675.75	mg/L	16.885	2.50%
Na_1 589.592 R†	7515.8	0.76720	mg/L	0.011615	921.01	mg/L	13.944	1.51%
Na_2 330.237 R†	50.8	0.77864	mg/L	0.225770	934.75	mg/L	271.033	29.00%
Zn 206.200†	318.9	0.01171	mg/L	0.000165	14.063	mg/L	0.1979	1.41%

Sequence No.: 33
Sample ID: H74FR
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 7/13/2006 9:23:21 AM
Data Type: Reprocessed on 7/13/2006 9:54:48 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H74FR

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	591215.9	101.48	%	0.559				0.55%
In Radial	25916.0	101.00	%	0.824				0.82%
Y_ Axial	1586270.5	102.69	%	1.043				1.02%
Y_ Radial	174781.7	100.36	%	0.784				0.78%
Sc Axial	2800880.2	102.59	%	1.032				1.01%
Sc Radial	296145.2	99.855	%	0.8328				0.83%
Al_1 396.153 R†	80.9	0.00683	mg/L	0.000107	8.2033	mg/L	0.12786	1.56%
Al_2 308.215 R†	45.7	0.01412	mg/L	0.009761	16.948	mg/L	11.7177	69.14%
Ca 315.887 R†	3896.2	0.24765	mg/L	0.008650	297.30	mg/L	10.384	3.49%
Fe_1 273.955†	669.2	0.01513	mg/L	0.001130	18.159	mg/L	1.3569	7.47%
Fe_2 238.863 R†	8.7	0.00942	mg/L	0.008578	11.312	mg/L	10.2980	91.04%
Mg 279.077 R†	51.6	0.02777	mg/L	0.002856	33.342	mg/L	3.4287	10.28%
Na_1 589.592 R†	4682.0	0.47793	mg/L	0.004308	573.74	mg/L	5.172	0.90%
Na_2 330.237 R†	8.4	0.12729	mg/L	0.282155	152.81	mg/L	338.722	221.66%
Zn 206.200†	59.3	0.00218	mg/L	0.000017	2.6145	mg/L	0.02025	0.77%

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

Autosampler Location: 7
Date Collected: 7/13/2006 9:28:33 AM
Data Type: Reprocessed on 7/13/2006 9:54:51 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	543748.7	93.337	%	0.8061				0.86%
In Radial	24576.6	95.782	%	0.3826				0.40%
Y_ Axial	1501628.4	97.210	%	0.8800				0.91%
Y_ Radial	166126.7	95.392	%	0.1539				0.16%
Sc Axial	2709594.6	99.249	%	0.5192				0.52%
Sc Radial	290623.0	97.993	%	0.8073				0.82%
Al_1 396.153 R†	305693.8	25.824	mg/L	0.2692	25.824	mg/L	0.2692	1.04%
Al_2 308.215 R†	82252.1	25.421	mg/L	0.0210	25.421	mg/L	0.0210	0.08%
Ca 315.887 R†	415039.0	26.381	mg/L	0.3491	26.381	mg/L	0.3491	1.32%
Fe_1 273.955†	1143023.1	25.839	mg/L	0.0343	25.839	mg/L	0.0343	0.13%
Fe_2 238.863 R†	24351.2	26.402	mg/L	0.0625	26.402	mg/L	0.0625	0.24%
Mg 279.077 R†	49335.0	26.543	mg/L	0.0414	26.543	mg/L	0.0414	0.16%
Na_1 589.592 R†	248027.1	25.318	mg/L	0.2415	25.318	mg/L	0.2415	0.95%
Na_2 330.237 R†	1831.4	26.837	mg/L	0.0686	26.837	mg/L	0.0686	0.26%
Zn 206.200†	72322.3	2.6566	mg/L	0.00233	2.6566	mg/L	0.00233	0.09%

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

Autosampler Location: 5
Date Collected: 7/13/2006 9:30:54 AM
Data Type: Reprocessed on 7/13/2006 9:54:51 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	591312.6	101.50	%	0.933				0.92%
In Radial	25837.4	100.70	%	0.482				0.48%
Y_ Axial	1593224.5	103.14	%	0.532				0.52%
Y_ Radial	173623.5	99.697	%	0.1970				0.20%
Sc Axial	2819252.0	103.27	%	0.547				0.53%
Sc Radial	295043.9	99.484	%	0.2706				0.27%
Al_1 396.153 R†	-31.7	-0.00268	mg/L	0.000575	-0.00268	mg/L	0.000575	21.47%
Al_2 308.215 R†	-18.6	-0.00575	mg/L	0.005052	-0.00575	mg/L	0.005052	87.88%
Ca 315.887 R†	-198.3	-0.01260	mg/L	0.000447	-0.01260	mg/L	0.000447	3.54%
Fe_1 273.955†	145.1	0.00328	mg/L	0.000378	0.00328	mg/L	0.000378	11.51%
Fe_2 238.863 R†	-1.0	-0.00105	mg/L	0.015944	-0.00105	mg/L	0.015944	>999.9%
Mg 279.077 R†	-32.1	-0.01727	mg/L	0.000433	-0.01727	mg/L	0.000433	2.51%
Na_1 589.592 R†	166.6	0.01701	mg/L	0.017838	0.01701	mg/L	0.017838	104.89%
Na_2 330.237 R†	-10.5	-0.16309	mg/L	0.382285	-0.16309	mg/L	0.382285	234.40%
Zn 206.200†	9.3	0.00034	mg/L	0.000000	0.00034	mg/L	0.000000	0.14%

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 060711A1	Batch Numbers 6191455	Date 7/11/06	Analyst BRJ

Lot Numbers G6F230235	YES	NO	NA
1. Copy of analysis protocol used included?	✓		
2. ICVs & CCVs within 10% of true value or recal and rerun?	✓		
3. ICB & CCBs < reporting limit or recal and rerun?	✓		
4. 10 samples or less analyzed between calibration checks?	✓		
5. All parameters within linear range?	✓		
6. LCS/LCSD within limits?	✓		
7. Prep blank value < reporting limit or all samples >20x blank?	✓		
8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <130% of the Calibration Blank intensities?	✓		
9. Appropriate dilution factors applied to data?	✓		
10. Matrix spike and spike dup within customer defined limits?			✓
11. Each batch checked for presence of internal standard in samples?	✓		
12. Anomalies entered using Clouseau?			✓

COMMENTS:

REVIEWED BY: MTL DATE: 7/12/06	DATA ENTERED BY: BRJ DATE: 7/12/06

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\060711A1\
Report Date/Time: Wednesday, July 12, 2006 08:59:38

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Description
	TUNE BJONES	10:46:52 Tue 11-Jul-06	Sample	
	AUTOLENS BJONES	10:49:10 Tue 11-Jul-06	Sample	Auto Lens Calib
	DAILY BJONES	10:51:24 Tue 11-Jul-06	Sample	
6191455	H74DN n.i.	16:06:01 Tue 11-Jul-06	Sample	G6F230235-1 N.I.
	Rinse 3X	16:15:36 Tue 11-Jul-06	Sample	
	Blank	16:20:00 Tue 11-Jul-06	Blank	
	Standard 1	16:24:18 Tue 11-Jul-06	Standard #1	
	ICV	16:28:21 Tue 11-Jul-06	Sample	
	ICB	16:32:29 Tue 11-Jul-06	Sample	
	ICSA	16:36:36 Tue 11-Jul-06	Sample	
	ICSAB	16:40:42 Tue 11-Jul-06	Sample	
	Rinse	16:49:56 Tue 11-Jul-06	Sample	
6191455	FB	16:54:06 Tue 11-Jul-06	Sample	FB-F1815158
	CCV 1	16:58:13 Tue 11-Jul-06	Sample	
	CCB 1	17:02:22 Tue 11-Jul-06	Sample -out Se78 (<-RL)	
	CCV 2	17:06:30 Tue 11-Jul-06	Sample	
	CCB 2	17:10:38 Tue 11-Jul-06	Sample	
6191455	H8XMAB	17:14:48 Tue 11-Jul-06	Sample	G6G100000-455 BLK
6191455	H8XMAC	17:18:54 Tue 11-Jul-06	Sample	G6G100000-455 LCS
6191455	H8XMAL	17:22:57 Tue 11-Jul-06	Sample	G6G100000-455 LCSD
6191455	H74DN	17:27:01 Tue 11-Jul-06	Sample	G6F230235-1
6191455	H74DNP5	17:31:05 Tue 11-Jul-06	Sample	G6F230235-1 5X
6191455	H74DNZ	17:35:10 Tue 11-Jul-06	Sample	G6F230235-1 PS
6191455	H74DT	17:39:15 Tue 11-Jul-06	Sample	G6F230235-2
6191455	H74DW	17:43:20 Tue 11-Jul-06	Sample	G6F230235-3
6191455	H74D1	17:47:27 Tue 11-Jul-06	Sample	G6F230235-4
6191455	H74D5	17:51:33 Tue 11-Jul-06	Sample	G6F230235-5
	CCV 3	17:55:40 Tue 11-Jul-06	Sample	
	CCB 3	17:59:49 Tue 11-Jul-06	Sample -out Se78 (<-RL)	
	CCV 4	18:03:57 Tue 11-Jul-06	Sample	
	CCB 4	18:08:05 Tue 11-Jul-06	Sample -out Se78 (<-RL)	
6191455	H74D8	18:12:11 Tue 11-Jul-06	Sample	G6F230235-6
6191455	H74EA	18:16:15 Tue 11-Jul-06	Sample	G6F230235-7
6191455	H74ED	18:20:19 Tue 11-Jul-06	Sample	G6F230235-8
6191455	H74EF	18:24:23 Tue 11-Jul-06	Sample	G6F230235-9
6191455	H74EK	18:28:27 Tue 11-Jul-06	Sample	G6F230235-10
6191455	H74FF	18:32:33 Tue 11-Jul-06	Sample	G6F230235-11
6191455	H74FH	18:36:38 Tue 11-Jul-06	Sample	G6F230235-12
6191455	H74FM	18:40:44 Tue 11-Jul-06	Sample	G6F230235-13
6191455	H74FP	18:44:50 Tue 11-Jul-06	Sample	G6F230235-14
6191455	H74FR	18:48:56 Tue 11-Jul-06	Sample	G6F230235-15
	CCV 5	18:53:03 Tue 11-Jul-06	Sample	
	CCB 5	18:57:12 Tue 11-Jul-06	Sample -out Se78 (<-RL)	

STL Sacramento RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 07/12/06 11:58:31

File ID: **060711A1** **Analyst: ionesb**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	H74DN n.i.	G6F230235-1	6191455	2A	1.0	07/11/06 16:06		☐
2	Rinse 3X				3.0	07/11/06 16:15		☐
3	Blank				1.0	07/11/06 16:20		☐
4	Standard1				1.0	07/11/06 16:24		☐
5	ICV				1.0	07/11/06 16:28		☐
6	ICB				1.0	07/11/06 16:32		☐
7	ICSA				1.0	07/11/06 16:36		☐
8	ICSAB				1.0	07/11/06 16:40		☐
9	Rinse				1.0	07/11/06 16:49		☐
10	FB				1.0	07/11/06 16:54		☐
11	CCV 1				1.0	07/11/06 16:58		☐
12	CCB 1				1.0	07/11/06 17:02		☐
13	CCV 2				1.0	07/11/06 17:06		☐
14	CCB 2				1.0	07/11/06 17:10		☐
15	H8XMAB	G6G100000	6191455	2A	1.0	07/11/06 17:14		☐
16	H8XMAC	G6G100000	6191455	2A	1.0	07/11/06 17:18		☐
17	H8XMAL	G6G100000	6191455	2A	1.0	07/11/06 17:22		☐
18	H74DN	G6F230235-1	6191455	2A	1.0	07/11/06 17:27		☐
19	H74DNP5	G6F230235	6191455		5.0	07/11/06 17:31		☐
20	H74DNZ	G6F230235-1	6191455		1.0	07/11/06 17:35		☐
21	H74DT	G6F230235-2	6191455	2A	1.0	07/11/06 17:39		☐
22	H74DW	G6F230235-3	6191455	2A	1.0	07/11/06 17:43		☐
23	H74D1	G6F230235-4	6191455	2A	1.0	07/11/06 17:47		☐
24	H74D5	G6F230235-5	6191455	2A	1.0	07/11/06 17:51		☐
25	CCV 3				1.0	07/11/06 17:55		☐
26	CCB 3				1.0	07/11/06 17:59		☐
27	CCV 4				1.0	07/11/06 18:03		☐
28	CCB 4				1.0	07/11/06 18:08		☐
29	H74D8	G6F230235-6	6191455	2A	1.0	07/11/06 18:12		☐
30	H74EA	G6F230235-7	6191455	2A	1.0	07/11/06 18:16		☐
31	H74ED	G6F230235-8	6191455	2A	1.0	07/11/06 18:20		☐
32	H74EF	G6F230235-9	6191455	2A	1.0	07/11/06 18:24		☐
33	H74EK	G6F230235-10	6191455	2A	1.0	07/11/06 18:28		☐
34	H74FF	G6F230235-11	6191455	2A	1.0	07/11/06 18:32		☐
35	H74FH	G6F230235-12	6191455	2A	1.0	07/11/06 18:36		☐
36	H74FM	G6F230235-13	6191455	2A	1.0	07/11/06 18:40		☐
37	H74FP	G6F230235-14	6191455	2A	1.0	07/11/06 18:44		☐
38	H74FR	G6F230235-15	6191455	2A	1.0	07/11/06 18:48		☐
39	CCV 5				1.0	07/11/06 18:53		☐
40	CCB 5				1.0	07/11/06 18:57		☐

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 07/12/06 11:58:31

File ID: **060711A1** **Analyst: ionesb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	H74DN n.i.	07/11/06 16:06	0.1	0.2	0.0	0.1	☐
2	Rinse 3X	07/11/06 16:15	99.4	99.8	100.9	100.0	☐
3	Blank	07/11/06 16:20	100.0	100.0	100.0	100.0	☑
4	Standard1	07/11/06 16:24	96.0	95.2	103.3	96.5	☑
5	ICV	07/11/06 16:28	94.1	94.3	106.1	95.9	☑
6	ICB	07/11/06 16:32	93.3	95.0	104.4	96.3	☑
7	ICSA	07/11/06 16:36	78.4	78.0	88.5	79.0	☑
8	ICSAB	07/11/06 16:40	77.9	78.4	88.2	79.2	☑
9	Rinse	07/11/06 16:49	94.6	92.3	107.3	98.0	☑
10	FB	07/11/06 16:54	96.7	93.2	105.7	98.3	☑
11	CCV 1	07/11/06 16:58	93.0	87.6	112.1	95.0	☑
12	CCB 1	07/11/06 17:02	94.8	89.3	111.7	96.5	☑
13	CCV 2	07/11/06 17:06	92.5	86.5	112.7	94.7	☑
14	CCB 2	07/11/06 17:10	93.5	88.7	111.8	95.5	☑
15	H8XMAB	07/11/06 17:14	94.7	90.7	110.8	98.7	☑
16	H8XMAC	07/11/06 17:18	91.7	88.6	114.2	97.6	☑
17	H8XMAL	07/11/06 17:22	89.2	87.0	113.9	96.8	☑
18	H74DN	07/11/06 17:27	91.0	87.2	112.8	97.6	☑
19	H74DNP5	07/11/06 17:31	90.9	85.8	114.0	95.3	☐
20	H74DNZ	07/11/06 17:35	89.1	85.3	114.3	95.7	☑
21	H74DT	07/11/06 17:39	89.4	86.7	111.8	95.7	☑
22	H74DW	07/11/06 17:43	89.7	86.8	113.7	97.1	☑
23	H74D1	07/11/06 17:47	90.1	86.9	113.6	95.8	☑
24	H74D5	07/11/06 17:51	89.6	86.8	113.6	96.1	☑
25	CCV 3	07/11/06 17:55	90.2	83.3	113.7	92.4	☑
26	CCB 3	07/11/06 17:59	91.3	85.8	113.7	94.7	☑
27	CCV 4	07/11/06 18:03	90.5	83.7	114.0	94.1	☑
28	CCB 4	07/11/06 18:08	91.4	85.1	112.8	93.8	☑
29	H74D8	07/11/06 18:12	93.2	88.6	112.3	97.6	☑
30	H74EA	07/11/06 18:16	92.3	87.6	110.8	98.0	☑
31	H74ED	07/11/06 18:20	93.3	88.6	110.6	97.1	☑
32	H74EF	07/11/06 18:24	92.2	87.7	110.9	95.0	☑
33	H74EK	07/11/06 18:28	91.3	87.0	112.1	96.0	☑
34	H74FF	07/11/06 18:32	91.1	87.4	112.2	95.9	☑
35	H74FH	07/11/06 18:36	91.5	87.2	112.4	95.3	☑
36	H74FM	07/11/06 18:40	90.1	86.4	113.2	94.5	☑
37	H74FP	07/11/06 18:44	88.9	85.4	112.5	93.8	☑
38	H74FR	07/11/06 18:48	90.6	86.4	113.4	95.4	☑
39	CCV 5	07/11/06 18:53	89.0	82.1	113.2	92.1	☑
40	CCB 5	07/11/06 18:57	89.6	84.0	112.0	93.6	☑

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

File Name: 6191455.mth
File Path: C:\elandata\Method\6191455.mth

Timing Parameters

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

Analyte	Mass	Scan Mode	MCA Channels	Dwell Time	Integration Time
Sc	44.956	Peak Hopping	1	14.0 ms	700 ms
Li-1	6.015	Peak Hopping	1	14.0 ms	700 ms
Be	9.012	Peak Hopping	1	14.0 ms	700 ms
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
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	- 0.0033 * 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			
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: 2830-2E

Blank, CCBs: 2531-25E

Standard 1, CCVs: 2830-3C

ICV: 2532-63D

ICSA: 2830-3A

ICSAB: 2830-3D

File Number: **060711A1**

Instrument Tuning Report - Elan 6000

File Name: default.tun

Sample Information

Sample Date/Time: Tuesday, July 11, 2006 10:46:52

Sample ID: TUNE BJONES

Analyte	Exact Mass	Meas. Mass	Mass DAC	Meas. Pk. Width	Res. DAC	Custom Res.
Li	7.016	7.027	1552	0.748	2037	
Be	9.012	9.029	2061	0.744	2026	
Co	58.933	58.878	14281	0.738	1897	
In	114.904	114.929	27954	0.732	1861	
Ce	139.905	139.928	34034	0.730	1906	
Tl	204.975	204.929	49737	0.729	2123	
Pb	207.977	207.928	50464	0.708	2145	
U	238.050	237.976	57689	0.699	2309	

Report Date/Time: Tuesday, July 11, 2006 10:48:29

Elan 6000 Instrument Optomization Report

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

Sample Information

Sample Date/Time: Tuesday, July 11, 2006 10:46:52
Sample ID: TUNE BJONES

Parameter Settings

Nebulizer Gas Flow	0.9
Lens Voltage	6.5
ICP RF Power	1100.0
Analog Stage Voltage	-2000.0
Pulse Stage Voltage	1400.0
Discriminator Threshold	70.0
AC Rod Offset	-7.0
Service DAC 1	60.0
Quadrupole Rod Offset	0.0

AutoLens Calibration

Date:	10:49:10 Tue 11-Jul-06
Sample Filename:	AUTOLENS BJONES.002
Dataset Pathname:	060711A1\
Lens Voltage Start:	4.50 V
Lens Voltage End:	8.50 V
Lens Voltage Step:	0.25 V
Slope:	0.0188
Intercept:	5.6889

Analyte	Mass	Optimum Voltage	Maximum Intensity	# Points
Be	9.012	5.8 V	4668 cps	17
Co	58.933	7.0 V	212966 cps	17
In	114.904	7.8 V	347398 cps	17

Dual Detector Calibration

Date:	16:40:06 Sat 01-Jul-06
Sample Filename:	DUAL BJONES.756
Dataset Pathname:	c:\elandata\Dataset\dual detector calibration\
Points Acquired:	37
Lens Voltage Start:	-3.00 V
Lens Voltage End:	15.00 V
Lens Voltage Step:	0.50 V

Analyte	Mass	Gain	N(max)
Li	6.013	6622	1.89e+009 cps
Li	7.016	6011	2.08e+009 cps
Be	9.011	5753	2.18e+009 cps
B	11.010	5957	2.10e+009 cps
Na	22.991	6030	2.08e+009 cps

Report Date/Time: Tuesday, July 11, 2006 10:51:06

Mg	23.987	5609	2.23e+009	cps
Mg	24.987	5239	2.39e+009	cps
Al	26.983	5294	2.36e+009	cps
P	30.996	4828	2.59e+009	cps
K	38.964	4742	2.64e+009	cps
Ca	42.960			cps
Ca	43.956	4694	2.67e+009	cps
Sc	44.956	4740	2.64e+009	cps
V	50.944	4676	2.68e+009	cps
Cr	51.940	4456	2.81e+009	cps
Fe	53.940	4410	2.84e+009	cps
Mn	54.936	4441	2.82e+009	cps
Fe	56.937	4236	2.96e+009	cps
Co	58.934	4249	2.95e+009	cps
Ni	59.933	4105	3.05e+009	cps
Cu	62.930	3979	3.15e+009	cps
Cu	64.928	3997	3.13e+009	cps
Zn	67.925	4017	3.12e+009	cps
Ge	71.921	4087	3.06e+009	cps
As	74.922			cps
Se	77.919	4165	3.01e+009	cps
Br	78.918			cps
Se	81.919	3973	3.15e+009	cps
Sr	87.904	4079	3.07e+009	cps
Mo	96.907	4076	3.07e+009	cps
Ag	106.905	3477	3.60e+009	cps
Ag	108.903	3565	3.51e+009	cps
Cd	110.905	3765	3.32e+009	cps
Cd	113.902	3825	3.27e+009	cps
In	114.904	3802	3.29e+009	cps
Sn	117.902	3827	3.27e+009	cps
Sb	120.904	3749	3.34e+009	cps
Ba	134.908	3706	3.38e+009	cps
Tm	168.933	3655	3.42e+009	cps
Tl	204.975	3492	3.59e+009	cps
Pb	207.975	3469	3.61e+009	cps
Bi	208.979	3451	3.63e+009	cps
U	238.050	3444	3.63e+009	cps

Daily Performance Report - Elan 6000

Sample ID: DAILY BJONES
Sample Date/Time: Tuesday, July 11, 2006 10:51:24
Sample Description:
Sample File: 6123172.sam
Method File: C:\elandata\Method\000-DAILY_EPA.mth
Dataset File: C:\elandata\Dataset\060711A1\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	64458.066	665.000	1.032
	Rh	103	262140.858	1760.800	0.672
	Pb	208	139272.658	2670.030	1.917
⌈>	Ba	138	239045.320	2544.316	1.064
⌊	Ba++	69	0.028	0.001	1.854
⌈>	Ce	140	301317.262	2885.325	0.958
⌊	CeO	156	0.030	0.001	1.786
	Bkgd	220	4.571	2.347	51.349
	Li	7	13275.334	264.504	1.992
	Be	9	4427.070	82.458	1.863
	Co	59	166384.952	1363.636	0.820
	In	115	324896.753	2649.265	0.815
	Tl	205	204095.313	1109.950	0.544

Sample ID: H74DN n.i.
Sample Description: G6F230235-1 N.I.
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 16:06:01
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: C:\elandata\Dataset\060711A1\H74DN 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			241.907	ug/L	0.000
45	Sc			8126.451	ug/L	0.000
69	Ga			2730.299	ug/L	0.000
72	Ge			691.924	ug/L	0.000
89	Y			3237.086	ug/L	0.000
103	Rh			41.429	ug/L	0.000
115	In			1807.304	ug/L	0.000
133	Cs			2593.603	ug/L	0.000
165	Ho			142.858	ug/L	0.000
169	Tm			521.439	ug/L	0.000
209	Bi			1111.002	ug/L	0.000

Internal Standard Recoveries

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

Sample ID: Rinse 3X
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 11, 2006 16:15:36
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\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			1114924.720	ug/L	0.000
>	6	Li-1			402569.230	ug/L	0.000
	9	Be			1.667	ug/L	0.000
	44	Ca			15255.963	ug/L	0.000
	51	V			-51317.240	ug/L	0.000
	52	Cr			35653.161	ug/L	0.000
	55	Mn			2249.290	ug/L	0.000
	59	Co			81.667	ug/L	0.000
	60	Ni			143.145	ug/L	0.000
	65	Cu			161.112	ug/L	0.000
	68	Zn			2931.826	ug/L	0.000
	75	As			16579.536	ug/L	0.000
	82	Se			1272.680	ug/L	0.000
	97	Mo			22.333	ug/L	0.000
>	72	Ge-1			812280.386	ug/L	0.000
	107	Ag			32.333	ug/L	0.000
	111	Cd			11.359	ug/L	0.000
	135	Ba			143.668	ug/L	0.000
>	115	In-1			807893.402	ug/L	0.000
	208	Pb			955.687	ug/L	0.000
>	169	Tm-1			494537.418	ug/L	0.000
	50	Cr			-865.235	ug/L	0.000
	53	Cr			146833.812	ug/L	0.000
	61	Ni			1624.422	ug/L	0.000
	63	Cu			99.668	ug/L	0.000
	67	Zn			1779.174	ug/L	0.000
	66	Zn			1427.327	ug/L	0.000
	76	Se			-101623.406	ug/L	0.000
	77	Se			14205.067	ug/L	0.000
	78	Se			19404.623	ug/L	0.000
	79	Br			38504.585	ug/L	0.000
>	72	Ge			812280.386	ug/L	0.000
	108	Cd			0.445	ug/L	0.000
	114	Cd			15.872	ug/L	0.000
	109	Ag			11.000	ug/L	0.000

⌊>	115 In	807893.402	ug/L	0.000
⌈	208 207.977	509.348	ug/L	0.000
|	207 Pb	195.669	ug/L	0.000
|	206 Pb	250.670	ug/L	0.000
⌊>	169 Tm	494537.418	ug/L	0.000
	106 Pd	7.000	ug/L	0.000
	83 Kr	1319.403	ug/L	0.000

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	
|	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: Blank
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 11, 2006 16:20:00
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\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			1129503.827	ug/L	
>	6	Li-1			399139.181	ug/L	
	9	Be			3.667	ug/L	
	44	Ca			16013.981	ug/L	
	51	V			-47390.264	ug/L	
	52	Cr			34939.285	ug/L	
	55	Mn			3405.665	ug/L	
	59	Co			124.001	ug/L	
	60	Ni			452.684	ug/L	
	65	Cu			478.111	ug/L	
	68	Zn			2967.504	ug/L	
	75	As			17090.100	ug/L	
	82	Se			1263.322	ug/L	
	97	Mo			32.333	ug/L	
>	72	Ge-1			817355.230	ug/L	
	107	Ag			50.667	ug/L	
	111	Cd			12.639	ug/L	
	135	Ba			160.668	ug/L	
>	115	In-1			809297.989	ug/L	
	208	Pb			1071.359	ug/L	
>	169	Tm-1			494585.952	ug/L	
	50	Cr			-847.463	ug/L	
	53	Cr			142176.328	ug/L	
	61	Ni			1592.739	ug/L	
	63	Cu			386.024	ug/L	
	67	Zn			1671.780	ug/L	
	66	Zn			1378.972	ug/L	
	76	Se			-103140.426	ug/L	
	77	Se			14182.042	ug/L	
	78	Se			19495.435	ug/L	
	79	Br			37299.601	ug/L	
>	72	Ge			817355.230	ug/L	
	108	Cd			5.112	ug/L	
	114	Cd			38.941	ug/L	
	109	Ag			19.000	ug/L	

⌊>	115 In	809297.989	ug/L
⌈	208 207.977	552.684	ug/L
|	207 Pb	237.670	ug/L
|	206 Pb	281.005	ug/L
⌊>	169 Tm	494585.952	ug/L
	106 Pd	6.000	ug/L
	83 Kr	1286.400	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	
|	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: Tuesday, July 11, 2006 16:24:18
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\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			1071795.011	ug/L	1129503.827
>	6	Li-1			412294.164	ug/L	399139.181
	9	Be	100.000000	2.098	31722.736	ug/L	3.667
	44	Ca	5100.000000	0.687	1509989.412	ug/L	16013.981
	51	V	100.000000	1.919	1058518.277	ug/L	-47390.264
	52	Cr	100.000000	1.057	1018996.744	ug/L	34939.285
	55	Mn	100.000000	0.714	1537025.249	ug/L	3405.665
	59	Co	100.000000	1.147	1284414.643	ug/L	124.001
	60	Ni	100.000000	1.213	277362.118	ug/L	452.684
	65	Cu	100.000000	0.546	250405.262	ug/L	478.111
	68	Zn	100.000000	0.854	86406.892	ug/L	2967.504
	75	As	100.000000	0.575	215702.359	ug/L	17090.100
	82	Se	100.000000	1.198	20629.470	ug/L	1263.322
	97	Mo	200.000000	1.220	357428.425	ug/L	32.333
>	72	Ge-1			784562.925	ug/L	817355.230
	107	Ag	50.000000	1.665	435618.753	ug/L	50.667
	111	Cd	100.000000	1.804	184543.277	ug/L	12.639
	135	Ba	100.000000	1.477	149813.246	ug/L	160.668
>	115	In-1			770496.482	ug/L	809297.989
	208	Pb	100.000000	0.469	1917765.182	ug/L	1071.359
>	169	Tm-1			477066.889	ug/L	494585.952
	50	Cr	100.000000	5.899	19314.805	ug/L	-847.463
	53	Cr	100.000000	6.427	241752.627	ug/L	142176.328
	61	Ni	100.000000	1.955	6038.164	ug/L	1592.739
	63	Cu	100.000000	0.535	196927.145	ug/L	386.024
	67	Zn	100.000000	2.820	8858.547	ug/L	1671.780
	66	Zn	100.000000	0.226	43940.149	ug/L	1378.972
	76	Se	100.000000	14.959	-96007.711	ug/L	-103140.426
	77	Se	100.000000	4.371	27610.819	ug/L	14182.042
	78	Se	100.000000	0.430	65195.374	ug/L	19495.435
	79	Br	100.000000	76.286	37498.582	ug/L	37299.601
>	72	Ge			784562.925	ug/L	817355.230
	108	Cd	100.000000	0.582	13070.651	ug/L	5.112
	114	Cd	100.000000	0.519	434549.343	ug/L	38.941
	109	Ag	50.000000	0.413	151424.737	ug/L	19.000

115 In			770496.482	ug/L	809297.989
208 207.977	100.000000	0.849	979842.805	ug/L	552.684
207 Pb	100.000000	0.154	405969.282	ug/L	237.670
206 Pb	100.000000	0.026	531953.094	ug/L	281.005
169 Tm			477066.889	ug/L	494585.952
106 Pd	100.000000	1.636	16680.554	ug/L	6.000
83 Kr	100.000000	108.463	1240.395	ug/L	1286.400

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	
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: Tuesday, July 11, 2006 16:28:21
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\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			1054280.800	ug/L	1129503.827
>	6	Li-1			423498.771	ug/L	399139.181
	9	Be	79.876517	1.209	26033.341	ug/L	3.667
	44	Ca	871.611050	1.072	265581.716	ug/L	16013.981
	51	V	80.537869	1.721	827328.585	ug/L	-47390.264
	52	Cr	80.588931	1.979	811718.599	ug/L	34939.285
	55	Mn	83.105929	0.883	1253317.865	ug/L	3405.665
	59	Co	81.862655	1.551	1031187.383	ug/L	124.001
	60	Ni	81.609910	1.004	222052.546	ug/L	452.684
	65	Cu	81.718951	1.633	200773.916	ug/L	478.111
	68	Zn	81.057237	0.858	69226.787	ug/L	2967.504
	75	As	80.207115	0.875	172874.129	ug/L	17090.100
	82	Se	81.337309	1.303	16679.549	ug/L	1263.322
	97	Mo	80.361243	1.108	140882.170	ug/L	32.333
>	72	Ge-1			769476.804	ug/L	817355.230
	107	Ag	41.066004	0.786	354360.385	ug/L	50.667
	111	Cd	80.056073	0.382	146311.803	ug/L	12.639
	135	Ba	78.621739	1.317	116662.603	ug/L	160.668
>	115	In-1			762859.393	ug/L	809297.989
	208	Pb	83.524960	0.188	1592883.448	ug/L	1071.359
>	169	Tm-1			474361.675	ug/L	494585.952
	50	Cr	73.856651	2.302	13781.750	ug/L	-847.463
	53	Cr	66.950992	8.763	202926.567	ug/L	142176.328
	61	Ni	77.988652	3.719	4947.915	ug/L	1592.739
	63	Cu	81.398668	1.756	157280.129	ug/L	386.024
	67	Zn	78.426949	4.117	7152.180	ug/L	1671.780
	66	Zn	82.275016	1.182	35685.612	ug/L	1378.972
	76	Se	97.041288	28.144	-94252.900	ug/L	-103140.426
	77	Se	66.837389	4.482	22522.943	ug/L	14182.042
	78	Se	80.168026	1.277	54900.402	ug/L	19495.435
	79	Br	236.211973	30.827	39013.487	ug/L	37299.601
>	72	Ge			769476.804	ug/L	817355.230
	108	Cd	76.890278	0.632	9951.742	ug/L	5.112
	114	Cd	80.321254	0.729	345583.638	ug/L	38.941
	109	Ag	40.960473	1.587	122820.630	ug/L	19.000

115	In			762859.393	ug/L	809297.989
208	207.977	84.177720	0.346	820203.855	ug/L	552.684
207	Pb	82.298495	0.175	332252.345	ug/L	237.670
206	Pb	83.258591	1.003	440427.247	ug/L	281.005
169	Tm			474361.675	ug/L	494585.952
106	Pd	78.679790	0.569	13125.504	ug/L	6.000
83	Kr	149.275318	37.761	1217.726	ug/L	1286.400

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	106.103
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	94.142
Ag	107	
Cd	111	
Ba	135	
In-1	115	94.262
Pb	208	
Tm-1	169	95.911
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	94.142
Cd	108	
Cd	114	
Ag	109	
In	115	94.262
207.977	208	
Pb	207	
Pb	206	
Tm	169	95.911
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: Tuesday, July 11, 2006 16:32:29
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\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			1038172.196	ug/L	1129503.827
>	6	Li-1			416884.090	ug/L	399139.181
	9	Be	0.004689	166.941	5.333	ug/L	3.667
	44	Ca	-3.831035	27.481	13852.291	ug/L	16013.981
	51	V	1.024926	6.204	-33228.325	ug/L	-47390.264
	52	Cr	-0.162939	44.255	31042.978	ug/L	34939.285
	55	Mn	-0.051939	15.807	2403.330	ug/L	3405.665
	59	Co	0.000688	119.930	124.334	ug/L	124.001
	60	Ni	-0.055781	11.493	272.219	ug/L	452.684
	65	Cu	-0.068751	10.593	279.046	ug/L	478.111
	68	Zn	-0.700000	23.513	2201.278	ug/L	2967.504
	75	As	-0.534236	85.268	14917.249	ug/L	17090.100
	82	Se	-0.107465	109.965	1158.670	ug/L	1263.322
	97	Mo	0.098718	8.849	201.669	ug/L	32.333
>	72	Ge-1			762796.954	ug/L	817355.230
	107	Ag	0.010984	15.014	143.668	ug/L	50.667
	111	Cd	0.001615	341.710	14.944	ug/L	12.639
	135	Ba	0.001984	666.059	155.668	ug/L	160.668
>	115	In-1			768868.576	ug/L	809297.989
	208	Pb	-0.007085	60.318	896.018	ug/L	1071.359
>	169	Tm-1			476347.775	ug/L	494585.952
	50	Cr	0.755917	9.604	-642.914	ug/L	-847.463
	53	Cr	-22.744684	8.301	109409.832	ug/L	142176.328
	61	Ni	-1.074483	90.204	1439.332	ug/L	1592.739
	63	Cu	-0.085194	14.621	197.340	ug/L	386.024
	67	Zn	-1.773937	21.658	1434.996	ug/L	1671.780
	66	Zn	-0.648961	43.739	1018.501	ug/L	1378.972
	76	Se	5.487116	761.760	-96098.618	ug/L	-103140.426
	77	Se	-14.207350	16.517	11301.108	ug/L	14182.042
	78	Se	-1.465048	30.698	17531.258	ug/L	19495.435
	79	Br	96.518936	103.149	36382.588	ug/L	37299.601
>	72	Ge			762796.954	ug/L	817355.230
	108	Cd	0.006221	739.970	5.692	ug/L	5.112
	114	Cd	0.000888	532.713	40.934	ug/L	38.941
	109	Ag	0.011002	29.324	51.334	ug/L	19.000

⌊>	115 In			768868.576	ug/L	809297.989
⌈	208 207.977	-0.006563	70.347	468.013	ug/L	552.684
|	207 Pb	-0.008275	63.560	195.336	ug/L	237.670
|	206 Pb	-0.007138	58.120	232.670	ug/L	281.005
⌊>	169 Tm			476347.775	ug/L	494585.952
	106 Pd	0.015992	21.651	8.667	ug/L	6.000
	83 Kr	195.651943	8.190	1196.391	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	104.446
⌊	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	93.325
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	95.004
⌈	Pb	208	
⌊>	Tm-1	169	96.312
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	93.325
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	95.004
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	96.312
	Pd	106	
	Kr	83	

Sample ID: ICSA
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 11, 2006 16:36:36
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\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			883424.098	ug/L	1129503.827
>	6	Li-1			353158.088	ug/L	399139.181
	9	Be	0.029728	42.556	11.333	ug/L	3.667
	44	Ca	96263.076831	0.077	23054230.679	ug/L	16013.981
	51	V	1.202021	18.884	-26315.667	ug/L	-47390.264
	52	Cr	1.458785	6.697	39133.331	ug/L	34939.285
	55	Mn	2.245065	0.288	30795.766	ug/L	3405.665
	59	Co	1.600896	1.042	16890.287	ug/L	124.001
	60	Ni	2.515046	3.346	6043.511	ug/L	452.684
	65	Cu	0.005241	622.622	385.424	ug/L	478.111
	68	Zn	2.327794	15.927	3914.878	ug/L	2967.504
	75	As	-0.403482	84.273	12743.753	ug/L	17090.100
	82	Se	1.355649	29.431	1205.529	ug/L	1263.322
	97	Mo	1922.055154	0.805	2805655.373	ug/L	32.333
>	72	Ge-1			640835.047	ug/L	817355.230
	107	Ag	0.236837	1.453	1731.171	ug/L	50.667
	111	Cd	0.622813	4.171	952.074	ug/L	12.639
	135	Ba	0.791141	1.268	1096.069	ug/L	160.668
>	115	In-1			631573.830	ug/L	809297.989
	208	Pb	0.920185	2.266	15284.887	ug/L	1071.359
>	169	Tm-1			390558.393	ug/L	494585.952
	50	Cr	193.851254	7.408	31198.732	ug/L	-847.463
	53	Cr	-20.729413	4.510	93657.622	ug/L	142176.328
	61	Ni	31.911578	9.737	2424.275	ug/L	1592.739
	63	Cu	5.094061	1.463	8480.826	ug/L	386.024
	67	Zn	27.755489	2.603	2955.063	ug/L	1671.780
	66	Zn	7.739567	3.851	3774.946	ug/L	1378.972
	76	Se	-197.675192	8.495	-85696.550	ug/L	-103140.426
	77	Se	6.899154	15.741	11907.669	ug/L	14182.042
	78	Se	-1.152279	14.013	14847.476	ug/L	19495.435
	79	Br	219064.943218	0.915	3041977.622	ug/L	37299.601
>	72	Ge			640835.047	ug/L	817355.230
	108	Cd	71.386626	1.815	7650.114	ug/L	5.112
	114	Cd	4.206079	1.698	15012.259	ug/L	38.941
	109	Ag	0.222375	8.678	566.718	ug/L	19.000

>	115 In			631573.830	ug/L	809297.989
	208 207.977	0.950755	2.088	8058.710	ug/L	552.684
	207 Pb	0.912085	2.018	3217.258	ug/L	237.670
	206 Pb	0.870058	2.904	4008.919	ug/L	281.005
>	169 Tm			390558.393	ug/L	494585.952
	106 Pd	0.495768	5.717	88.667	ug/L	6.000
	83 Kr	-207.247368	31.857	1381.743	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	88.480
	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	78.403
	Ag	107	
	Cd	111	
	Ba	135	
>	In-1	115	78.040
	Pb	208	
>	Tm-1	169	78.967
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	78.403
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	78.040
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	78.967
	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: Tuesday, July 11, 2006 16:40:42
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\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			884968.141	ug/L	1129503.827
>	6	Li-1			352113.553	ug/L	399139.181
	9	Be	94.915504	1.582	25713.729	ug/L	3.667
	44	Ca	97874.079880	0.669	23287411.573	ug/L	16013.981
	51	V	104.480549	0.470	899045.423	ug/L	-47390.264
	52	Cr	101.756080	0.593	840910.993	ug/L	34939.285
	55	Mn	103.317270	0.403	1288597.054	ug/L	3405.665
	59	Co	97.151081	0.550	1012565.034	ug/L	124.001
	60	Ni	92.297244	0.517	207746.516	ug/L	452.684
	65	Cu	88.938679	0.525	180771.106	ug/L	478.111
	68	Zn	92.102637	1.099	64768.171	ug/L	2967.504
	75	As	99.836530	0.769	174785.054	ug/L	17090.100
	82	Se	107.015498	0.776	17847.210	ug/L	1263.322
	97	Mo	2048.424251	0.995	2970694.876	ug/L	32.333
>	72	Ge-1			636681.106	ug/L	817355.230
	107	Ag	45.353425	0.140	325298.158	ug/L	50.667
	111	Cd	96.913470	0.345	147234.357	ug/L	12.639
	135	Ba	100.660425	0.172	124132.983	ug/L	160.668
>	115	In-1			634130.920	ug/L	809297.989
	208	Pb	96.242979	1.225	1515548.634	ug/L	1071.359
>	169	Tm-1			391732.071	ug/L	494585.952
	50	Cr	257.792000	14.152	41429.111	ug/L	-847.463
	53	Cr	94.789605	2.391	191691.300	ug/L	142176.328
	61	Ni	119.911353	1.363	5628.064	ug/L	1592.739
	63	Cu	94.026475	0.668	150277.499	ug/L	386.024
	67	Zn	119.900053	0.163	8359.165	ug/L	1671.780
	66	Zn	100.314276	0.902	35765.513	ug/L	1378.972
	76	Se	-48.141816	33.295	-81510.385	ug/L	-103140.426
	77	Se	113.592704	1.180	23946.250	ug/L	14182.042
	78	Se	103.160962	0.373	54099.218	ug/L	19495.435
	79	Br	1445.069516	22.080	48814.021	ug/L	37299.601
>	72	Ge			636681.106	ug/L	817355.230
	108	Cd	167.409133	2.475	18007.452	ug/L	5.112
	114	Cd	100.252245	0.079	358554.238	ug/L	38.941
	109	Ag	45.590355	0.356	113641.805	ug/L	19.000

Report Date/Time: Tuesday, July 11, 2006 16:42:32
Page 1

⌊>	115 In			634130.920	ug/L	809297.989
⌈	208 207.977	96.128436	1.542	773401.921	ug/L	552.684
|	207 Pb	95.282662	0.586	317627.263	ug/L	237.670
|	206 Pb	97.186795	1.390	424519.450	ug/L	281.005
⌊>	169 Tm			391732.071	ug/L	494585.952
	106 Pd	79.002129	1.397	13179.252	ug/L	6.000
	83 Kr	-259.421765	9.998	1405.746	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	88.218
⌊	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	77.895
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	78.356
⌈	Pb	208	
⌊>	Tm-1	169	79.204
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	77.895
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	78.356
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	79.204
	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: Tuesday, July 11, 2006 16:49:56
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\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			1084834.745	ug/L	1129503.827
>	6	Li-1			428413.010	ug/L	399139.181
	9	Be	-0.003854	119.735	2.667	ug/L	3.667
	44	Ca	-11.471580	4.795	11841.676	ug/L	16013.981
	51	V	0.733650	45.134	-36864.782	ug/L	-47390.264
	52	Cr	-0.359687	13.727	29569.881	ug/L	34939.285
	55	Mn	-0.097649	3.551	1746.508	ug/L	3405.665
	59	Co	-0.003264	35.518	76.000	ug/L	124.001
	60	Ni	-0.127267	2.951	81.047	ug/L	452.684
	65	Cu	-0.134989	1.958	119.856	ug/L	478.111
	68	Zn	-1.359393	12.628	1687.497	ug/L	2967.504
	75	As	-0.323615	89.128	15541.320	ug/L	17090.100
	82	Se	-0.067739	175.258	1182.536	ug/L	1263.322
	97	Mo	0.322670	12.168	598.687	ug/L	32.333
>	72	Ge-1			773578.658	ug/L	817355.230
	107	Ag	0.001057	56.156	55.667	ug/L	50.667
	111	Cd	-0.004912	59.624	2.881	ug/L	12.639
	135	Ba	-0.010952	38.167	132.334	ug/L	160.668
>	115	In-1			746600.959	ug/L	809297.989
	208	Pb	-0.030079	10.241	464.338	ug/L	1071.359
>	169	Tm-1			484888.001	ug/L	494585.952
	50	Cr	0.592199	4.585	-684.582	ug/L	-847.463
	53	Cr	-14.442441	16.976	119573.035	ug/L	142176.328
	61	Ni	2.094891	25.719	1600.410	ug/L	1592.739
	63	Cu	-0.154628	2.038	65.667	ug/L	386.024
	67	Zn	-1.719909	36.971	1459.341	ug/L	1671.780
	66	Zn	-1.354011	10.973	735.754	ug/L	1378.972
	76	Se	11.699121	137.008	-97268.233	ug/L	-103140.426
	77	Se	-14.635856	13.761	11401.532	ug/L	14182.042
	78	Se	-1.862740	20.255	17596.372	ug/L	19495.435
	79	Br	341.717885	27.754	40969.752	ug/L	37299.601
>	72	Ge			773578.658	ug/L	817355.230
	108	Cd	0.001222	2721.315	4.865	ug/L	5.112
	114	Cd	-0.002998	51.825	23.294	ug/L	38.941
	109	Ag	0.001299	135.759	21.333	ug/L	19.000

>	115 In			746600.959	ug/L	809297.989
	208 207.977	-0.031429	9.223	229.003	ug/L	552.684
	207 Pb	-0.029018	14.685	113.334	ug/L	237.670
	206 Pb	-0.028403	14.142	122.001	ug/L	281.005
>	169 Tm			484888.001	ug/L	494585.952
	106 Pd	-0.013993	65.465	3.667	ug/L	6.000
	83 Kr	268.839825	12.946	1162.721	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	107.334
	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	94.644
	Ag	107	
	Cd	111	
	Ba	135	
>	In-1	115	92.253
	Pb	208	
>	Tm-1	169	98.039
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	94.644
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	92.253
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.039
	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: 6191455
Sample Date/Time: Tuesday, July 11, 2006 16:54:06
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\FB.013
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			1100494.319	ug/L	1129503.827
>	6	Li-1			421965.818	ug/L	399139.181
	9	Be	0.000438	1271.957	4.000	ug/L	3.667
	44	Ca	254.081951	1.537	90531.947	ug/L	16013.981
	51	V	3.190834	2.271	-10350.780	ug/L	-47390.264
	52	Cr	0.132323	16.399	35117.674	ug/L	34939.285
	55	Mn	1.730329	0.978	30042.154	ug/L	3405.665
	59	Co	0.690835	0.517	9062.358	ug/L	124.001
	60	Ni	0.527485	1.060	1910.182	ug/L	452.684
	65	Cu	0.431549	2.716	1549.788	ug/L	478.111
	68	Zn	0.534843	3.881	3321.297	ug/L	2967.504
	75	As	0.261082	77.478	17056.352	ug/L	17090.100
	82	Se	-0.324777	46.309	1158.853	ug/L	1263.322
	97	Mo	0.309751	5.197	589.020	ug/L	32.333
>	72	Ge-1			790759.930	ug/L	817355.230
	107	Ag	0.002365	35.309	67.334	ug/L	50.667
	111	Cd	-0.000524	1363.493	10.828	ug/L	12.639
	135	Ba	0.500103	5.712	882.045	ug/L	160.668
>	115	In-1			753982.300	ug/L	809297.989
	208	Pb	0.192074	2.309	4805.511	ug/L	1071.359
>	169	Tm-1			486239.345	ug/L	494585.952
	50	Cr	4.492347	2.749	91.276	ug/L	-847.463
	53	Cr	-90.424764	2.077	41667.521	ug/L	142176.328
	61	Ni	5.422289	32.853	1787.846	ug/L	1592.739
	63	Cu	0.439590	2.199	1244.248	ug/L	386.024
	67	Zn	-10.608345	4.339	842.114	ug/L	1671.780
	66	Zn	0.653188	14.150	1614.751	ug/L	1378.972
	76	Se	-1.327890	2025.714	-99827.627	ug/L	-103140.426
	77	Se	-73.039739	1.024	3420.135	ug/L	14182.042
	78	Se	-2.059858	32.009	17894.165	ug/L	19495.435
	79	Br	-1129.103048	5.529	16931.165	ug/L	37299.601
>	72	Ge			790759.930	ug/L	817355.230
	108	Cd	0.129799	40.554	21.347	ug/L	5.112
	114	Cd	-0.003629	70.322	20.915	ug/L	38.941
	109	Ag	-0.000673	341.822	15.667	ug/L	19.000

115 In			753982.300	ug/L	809297.989
208 207.977	0.196605	2.326	2505.692	ug/L	552.684
207 Pb	0.199911	2.940	1060.398	ug/L	237.670
206 Pb	0.177749	2.364	1239.421	ug/L	281.005
169 Tm			486239.345	ug/L	494585.952
106 Pd	0.237888	20.377	45.667	ug/L	6.000
83 Kr	152.173852	39.340	1216.393	ug/L	1286.400

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	105.719
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	96.746
Ag	107	
Cd	111	
Ba	135	
In-1	115	93.165
Pb	208	
Tm-1	169	98.312
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	96.746
Cd	108	
Cd	114	
Ag	109	
In	115	93.165
207.977	208	
Pb	207	
Pb	206	
Tm	169	98.312
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 1
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 11, 2006 16:58:13
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\CCV 1.014
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			1060874.595	ug/L	1129503.827
>	6	Li-1			447462.679	ug/L	399139.181
	9	Be	97.482311	1.862	33561.240	ug/L	3.667
	44	Ca	5228.642913	0.907	1499247.268	ug/L	16013.981
	51	V	103.647445	0.411	1064331.279	ug/L	-47390.264
	52	Cr	103.608722	1.528	1021479.776	ug/L	34939.285
	55	Mn	104.884835	0.854	1561521.006	ug/L	3405.665
	59	Co	100.060812	0.835	1244954.466	ug/L	124.001
	60	Ni	98.819623	1.621	265494.791	ug/L	452.684
	65	Cu	97.684342	1.052	236977.019	ug/L	478.111
	68	Zn	97.823649	0.789	81950.660	ug/L	2967.504
	75	As	100.577515	1.155	210081.364	ug/L	17090.100
	82	Se	99.085465	0.434	19814.810	ug/L	1263.322
	97	Mo	191.729169	0.489	331967.217	ug/L	32.333
>	72	Ge-1			760073.163	ug/L	817355.230
	107	Ag	50.351441	0.220	403576.198	ug/L	50.667
	111	Cd	100.407394	0.128	170461.761	ug/L	12.639
	135	Ba	103.568058	0.751	142722.701	ug/L	160.668
>	115	In-1			708633.350	ug/L	809297.989
	208	Pb	100.631693	0.773	1901559.323	ug/L	1071.359
>	169	Tm-1			470083.585	ug/L	494585.952
	50	Cr	104.309569	3.284	19552.370	ug/L	-847.463
	53	Cr	94.480361	5.689	228525.926	ug/L	142176.328
	61	Ni	99.697286	2.563	5835.444	ug/L	1592.739
	63	Cu	98.443107	0.564	187812.785	ug/L	386.024
	67	Zn	96.899680	1.513	8363.513	ug/L	1671.780
	66	Zn	99.068919	1.125	42181.119	ug/L	1378.972
	76	Se	110.147029	7.566	-92720.971	ug/L	-103140.426
	77	Se	82.745365	1.182	24405.472	ug/L	14182.042
	78	Se	98.926212	1.533	62672.581	ug/L	19495.435
	79	Br	184.666893	29.652	37701.474	ug/L	37299.601
>	72	Ge			760073.163	ug/L	817355.230
	108	Cd	101.175685	0.346	12162.810	ug/L	5.112
	114	Cd	100.405575	0.645	401301.958	ug/L	38.941
	109	Ag	49.954727	0.502	139150.177	ug/L	19.000

115 In			708633.350	ug/L	809297.989
208 207.977	101.408328	1.123	979031.600	ug/L	552.684
207 Pb	100.272237	0.706	401123.291	ug/L	237.670
206 Pb	99.475523	0.479	521404.433	ug/L	281.005
169 Tm			470083.585	ug/L	494585.952
106 Pd	91.390373	1.217	15244.937	ug/L	6.000
83 Kr	273.912221	20.701	1160.387	ug/L	1286.400

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	112.107
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	92.992
Ag	107	
Cd	111	
Ba	135	
In-1	115	87.561
Pb	208	
Tm-1	169	95.046
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	92.992
Cd	108	
Cd	114	
Ag	109	
In	115	87.561
207.977	208	
Pb	207	
Pb	206	
Tm	169	95.046
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: Tuesday, July 11, 2006 17:02:22
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\CCB 1.015
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			1070134.549	ug/L	1129503.827
>	6	Li-1			445897.289	ug/L	399139.181
	9	Be	0.004556	95.506	5.667	ug/L	3.667
	44	Ca	-10.133991	5.049	12243.894	ug/L	16013.981
	51	V	0.976512	9.349	-34267.331	ug/L	-47390.264
	52	Cr	-0.420352	7.049	29021.383	ug/L	34939.285
	55	Mn	-0.060760	5.516	2307.304	ug/L	3405.665
	59	Co	-0.000698	61.846	108.667	ug/L	124.001
	60	Ni	-0.069491	14.442	238.975	ug/L	452.684
	65	Cu	-0.084056	8.745	245.710	ug/L	478.111
	68	Zn	-1.208621	8.410	1815.189	ug/L	2967.504
	75	As	-0.555892	50.833	15101.426	ug/L	17090.100
	82	Se	-0.360054	65.011	1128.275	ug/L	1263.322
	97	Mo	0.215789	8.050	411.343	ug/L	32.333
>	72	Ge-1			774600.474	ug/L	817355.230
	107	Ag	0.010123	12.349	128.001	ug/L	50.667
	111	Cd	0.000330	296.538	11.860	ug/L	12.639
	135	Ba	-0.000348	2716.272	143.001	ug/L	160.668
>	115	In-1			722535.663	ug/L	809297.989
	208	Pb	-0.020613	9.875	638.342	ug/L	1071.359
>	169	Tm-1			477087.945	ug/L	494585.952
	50	Cr	0.826248	15.053	-638.915	ug/L	-847.463
	53	Cr	-21.676939	7.489	112216.720	ug/L	142176.328
	61	Ni	1.409224	67.517	1572.062	ug/L	1592.739
	63	Cu	-0.088372	10.774	194.339	ug/L	386.024
	67	Zn	-2.614836	26.078	1396.979	ug/L	1671.780
	66	Zn	-1.228417	21.910	790.101	ug/L	1378.972
	76	Se	-39.404055	25.926	-98908.858	ug/L	-103140.426
	77	Se	-20.965065	6.737	10544.113	ug/L	14182.042
	78	Se x	-3.026010	3.161	17086.973	ug/L	19495.435
	79	Br	106.002380	70.702	37107.362	ug/L	37299.601
>	72	Ge			774600.474	ug/L	817355.230
	108	Cd	-0.020881	144.895	1.989	ug/L	5.112
	114	Cd	0.000542	366.879	36.937	ug/L	38.941
	109	Ag	0.010941	21.158	48.000	ug/L	19.000

>	115 In			722535.663	ug/L	809297.989
	208 207.977	-0.020400	9.984	333.340	ug/L	552.684
	207 Pb	-0.022491	15.384	138.001	ug/L	237.670
	206 Pb	-0.019571	6.025	167.002	ug/L	281.005
>	169 Tm			477087.945	ug/L	494585.952
	106 Pd	-0.007996	43.301	4.667	ug/L	6.000
	83 Kr	386.229903	6.785	1108.716	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	111.715
	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	94.769
	Ag	107	
	Cd	111	
	Ba	135	
>	In-1	115	89.279
	Pb	208	
>	Tm-1	169	96.462
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	94.769
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	89.279
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	96.462
	Pd	106	
	Kr	83	

Sample ID: CCV 2
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 11, 2006 17:06:30
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\CCV 2.016
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			1049069.918	ug/L	1129503.827
>	6	Li-1			449761.070	ug/L	399139.181
	9	Be	98.670018	1.271	34147.503	ug/L	3.667
	44	Ca	5210.014723	0.301	1485688.203	ug/L	16013.981
	51	V	104.162034	0.728	1063944.194	ug/L	-47390.264
	52	Cr	103.890909	0.156	1018581.572	ug/L	34939.285
	55	Mn	105.272497	0.463	1558669.727	ug/L	3405.665
	59	Co	99.394422	0.825	1229890.862	ug/L	124.001
	60	Ni	97.366238	0.527	260157.492	ug/L	452.684
	65	Cu	96.993498	0.356	234006.886	ug/L	478.111
	68	Zn	97.720573	0.772	81413.681	ug/L	2967.504
	75	As	100.747759	0.731	209249.674	ug/L	17090.100
	82	Se	98.140752	0.517	19527.740	ug/L	1263.322
	97	Mo	190.675081	0.331	328316.689	ug/L	32.333
>	72	Ge-1			755843.120	ug/L	817355.230
	107	Ag	50.034968	0.504	395974.058	ug/L	50.667
	111	Cd	100.492070	0.762	168454.202	ug/L	12.639
	135	Ba	105.025558	0.251	142899.770	ug/L	160.668
>	115	In-1			699686.875	ug/L	809297.989
	208	Pb	99.669723	1.631	1876143.228	ug/L	1071.359
>	169	Tm-1			468298.679	ug/L	494585.952
	50	Cr	104.537655	6.029	19486.656	ug/L	-847.463
	53	Cr	92.628806	2.103	225377.027	ug/L	142176.328
	61	Ni	97.813984	1.401	5721.901	ug/L	1592.739
	63	Cu	97.557947	0.941	185101.822	ug/L	386.024
	67	Zn	94.721643	0.894	8164.653	ug/L	1671.780
	66	Zn	98.074490	0.416	41540.625	ug/L	1378.972
	76	Se	121.394418	5.396	-91878.818	ug/L	-103140.426
	77	Se	80.738726	2.920	23999.020	ug/L	14182.042
	78	Se	97.973896	0.348	61901.816	ug/L	19495.435
	79	Br	121.826659	41.739	36471.826	ug/L	37299.601
>	72	Ge			755843.120	ug/L	817355.230
	108	Cd	100.738079	0.756	11957.303	ug/L	5.112
	114	Cd	100.180704	0.993	395343.609	ug/L	38.941
	109	Ag	50.163415	0.880	137966.322	ug/L	19.000

⌊>	115 In			699686.875	ug/L	809297.989
⌈	208 207.977	100.421917	2.066	965800.205	ug/L	552.684
|	207 Pb	99.235458	1.379	395435.625	ug/L	237.670
|	206 Pb	98.615659	1.194	514907.398	ug/L	281.005
⌊>	169 Tm			468298.679	ug/L	494585.952
	106 Pd	90.831663	0.796	15151.775	ug/L	6.000
	83 Kr	254.347191	12.336	1169.388	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	112.683
⌊	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	92.474
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	86.456
⌈	Pb	208	
⌊>	Tm-1	169	94.685
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	92.474
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	86.456
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	94.685
	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: Tuesday, July 11, 2006 17:10:38
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\CCB 2.017
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			1056038.007	ug/L	1129503.827
>	6	Li-1			446250.328	ug/L	399139.181
	9	Be	0.000701	1055.334	4.333	ug/L	3.667
	44	Ca	-9.380082	12.582	12288.292	ug/L	16013.981
	51	V	0.731246	37.215	-36420.122	ug/L	-47390.264
	52	Cr	-0.356936	13.099	29226.065	ug/L	34939.285
	55	Mn	-0.058039	16.366	2315.640	ug/L	3405.665
	59	Co	0.001507	138.728	134.668	ug/L	124.001
	60	Ni	-0.072233	8.849	228.281	ug/L	452.684
	65	Cu	-0.067644	10.509	282.190	ug/L	478.111
	68	Zn	-1.062274	5.337	1908.875	ug/L	2967.504
	75	As	-0.378450	32.529	15237.606	ug/L	17090.100
	82	Se	-0.342723	45.952	1115.767	ug/L	1263.322
	97	Mo	0.219532	14.969	412.010	ug/L	32.333
>	72	Ge-1			763843.457	ug/L	817355.230
	107	Ag	0.012381	7.793	145.335	ug/L	50.667
	111	Cd	0.003714	18.893	17.593	ug/L	12.639
	135	Ba	-0.007518	86.283	132.001	ug/L	160.668
>	115	In-1			717463.063	ug/L	809297.989
	208	Pb	-0.016901	27.034	702.344	ug/L	1071.359
>	169	Tm-1			472168.685	ug/L	494585.952
	50	Cr	0.898158	9.959	-615.952	ug/L	-847.463
	53	Cr	-20.402715	12.910	111959.575	ug/L	142176.328
	61	Ni	1.568119	56.339	1557.388	ug/L	1592.739
	63	Cu	-0.082081	4.789	203.673	ug/L	386.024
	67	Zn	-2.317921	31.400	1398.647	ug/L	1671.780
	66	Zn	-1.145279	5.523	813.439	ug/L	1378.972
	76	Se	-12.846073	249.690	-96764.948	ug/L	-103140.426
	77	Se	-20.790803	6.154	10420.676	ug/L	14182.042
	78	Se	-2.941773	15.170	16887.255	ug/L	19495.435
	79	Br	72.911440	114.564	36048.610	ug/L	37299.601
>	72	Ge			763843.457	ug/L	817355.230
	108	Cd	-0.018198	97.050	2.322	ug/L	5.112
	114	Cd	-0.000772	190.867	31.408	ug/L	38.941
	109	Ag	0.014358	35.802	57.334	ug/L	19.000

⌊>	115 In			717463.063	ug/L	809297.989
⌈	208 207.977	-0.018131	29.904	352.007	ug/L	552.684
|	207 Pb	-0.017912	41.963	155.001	ug/L	237.670
|	206 Pb	-0.013865	17.532	195.336	ug/L	281.005
⌊>	169 Tm			472168.685	ug/L	494585.952
	106 Pd	0.003998	229.129	6.667	ug/L	6.000
	83 Kr	330.433409	19.263	1134.385	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	111.803
⌊	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	93.453
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	88.653
⌈	Pb	208	
⌊>	Tm-1	169	95.467
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	93.453
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	88.653
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	95.467
	Pd	106	
	Kr	83	

Sample ID: H8XMAB
Sample Description: G6G100000-455 BLK
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 17:14:48
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H8XMAB.018
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 21
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (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			1073655.002	ug/L	1129503.827
>	6	Li-1			442196.798	ug/L	399139.181
	9	Be	-0.005083	66.672	2.333	ug/L	3.667
	44	Ca	4.427424	13.564	16448.780	ug/L	16013.981
	51	V	3.219393	1.792	-9817.348	ug/L	-47390.264
	52	Cr	-1.300241	2.375	20450.873	ug/L	34939.285
	55	Mn	0.310540	8.467	7924.258	ug/L	3405.665
	59	Co	0.011724	12.359	266.004	ug/L	124.001
	60	Ni	-0.063744	17.825	254.465	ug/L	452.684
	65	Cu	-0.097616	2.917	212.090	ug/L	478.111
	68	Zn	-0.100241	112.296	2728.759	ug/L	2967.504
	75	As	0.228640	62.369	16637.362	ug/L	17090.100
	82	Se	-0.448984	35.762	1110.492	ug/L	1263.322
	97	Mo	0.089390	10.049	188.335	ug/L	32.333
>	72	Ge-1			774236.766	ug/L	817355.230
	107	Ag	0.004427	31.659	82.667	ug/L	50.667
	111	Cd	-0.002531	76.575	7.027	ug/L	12.639
	135	Ba	-0.011239	67.940	129.668	ug/L	160.668
>	115	In-1			734240.962	ug/L	809297.989
	208	Pb	-0.013098	20.752	800.681	ug/L	1071.359
>	169	Tm-1			488183.410	ug/L	494585.952
	50	Cr	3.510535	5.614	-105.309	ug/L	-847.463
	53	Cr	-93.475815	2.650	37604.497	ug/L	142176.328
	61	Ni	2.821068	40.884	1634.428	ug/L	1592.739
	63	Cu	-0.109809	2.364	152.670	ug/L	386.024
	67	Zn	-10.881931	7.788	804.437	ug/L	1671.780
	66	Zn	0.120560	273.677	1357.631	ug/L	1378.972
	76	Se	-3.381863	688.244	-97801.776	ug/L	-103140.426
	77	Se	-75.346548	0.913	3029.367	ug/L	14182.042
	78	Se	-2.514431	7.706	17314.035	ug/L	19495.435
	79	Br	-1252.497074	6.393	14513.794	ug/L	37299.601
>	72	Ge			774236.766	ug/L	817355.230
	108	Cd	-0.018829	184.111	2.297	ug/L	5.112
	114	Cd	-0.004046	18.475	18.582	ug/L	38.941
	109	Ag	0.001653	74.089	22.000	ug/L	19.000

⌊>	115 In			734240.962	ug/L	809297.989
⌈	208 207.977	-0.012795	4.887	417.343	ug/L	552.684
|	207 Pb	-0.013086	59.626	180.335	ug/L	237.670
|	206 Pb	-0.013667	28.424	203.002	ug/L	281.005
⌊>	169 Tm			488183.410	ug/L	494585.952
	106 Pd	-0.001999	458.257	5.667	ug/L	6.000
	83 Kr	392.026833	23.611	1106.049	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	110.788
⌊	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	94.725
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	90.726
⌈	Pb	208	
⌊>	Tm-1	169	98.705
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	94.725
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	90.726
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	98.705
	Pd	106	
	Kr	83	

Sample ID: H8XMAC
Sample Description: G6G100000-455 LCS
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 17:18:54
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H8XMAC.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			1036180.152	ug/L	1129503.827
>	6	Li-1			455670.767	ug/L	399139.181
	9	Be	184.318571	1.996	64620.413	ug/L	3.667
	44	Ca	1103.658004	0.580	323664.769	ug/L	16013.981
	51	V	200.181301	0.788	2067607.551	ug/L	-47390.264
	52	Cr	202.641571	0.799	1939681.679	ug/L	34939.285
	55	Mn	209.582913	0.752	3074035.647	ug/L	3405.665
	59	Co	192.569561	1.111	2362702.374	ug/L	124.001
	60	Ni	192.847900	1.010	510547.217	ug/L	452.684
	65	Cu	190.364092	1.459	455002.276	ug/L	478.111
	68	Zn	186.009866	0.737	151216.854	ug/L	2967.504
	75	As	187.537898	0.661	372753.895	ug/L	17090.100
	82	Se	179.427477	0.634	34443.618	ug/L	1263.322
	97	Mo	191.528982	0.569	327029.127	ug/L	32.333
>	72	Ge-1			749519.743	ug/L	817355.230
	107	Ag	48.672552	0.635	394705.397	ug/L	50.667
	111	Cd	189.004614	0.469	324642.923	ug/L	12.639
	135	Ba	207.403636	0.598	289029.759	ug/L	160.668
>	115	In-1			716987.540	ug/L	809297.989
	208	Pb	194.216716	1.230	3765957.785	ug/L	1071.359
>	169	Tm-1			482556.565	ug/L	494585.952
	50	Cr	188.775709	0.649	35520.234	ug/L	-847.463
	53	Cr	145.028839	3.924	276159.545	ug/L	142176.328
	61	Ni	191.959285	2.031	9729.125	ug/L	1592.739
	63	Cu	188.029864	1.543	353434.432	ug/L	386.024
	67	Zn	173.574353	2.451	13559.698	ug/L	1671.780
	66	Zn	183.575688	0.801	76002.501	ug/L	1378.972
	76	Se	228.959694	1.884	-88036.639	ug/L	-103140.426
	77	Se	117.528122	1.651	28715.949	ug/L	14182.042
	78	Se	182.224404	1.299	98798.107	ug/L	19495.435
	79	Br	-1211.381167	6.308	14719.035	ug/L	37299.601
>	72	Ge			749519.743	ug/L	817355.230
	108	Cd	185.085699	0.813	22508.172	ug/L	5.112
	114	Cd	186.198178	0.402	752919.697	ug/L	38.941
	109	Ag	48.138877	0.421	135668.735	ug/L	19.000

115	In			716987.540	ug/L	809297.989
208	207.977	196.124820	0.734	1943139.858	ug/L	552.684
207	Pb	202.297098	2.566	830244.774	ug/L	237.670
206	Pb	184.535868	1.287	992573.154	ug/L	281.005
169	Tm			482556.565	ug/L	494585.952
106	Pd	175.113089	0.481	29205.326	ug/L	6.000
83	Kr	504.344045	13.364	1054.378	ug/L	1286.400

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	114.163
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	91.701
Ag	107	
Cd	111	
Ba	135	
In-1	115	88.594
Pb	208	
Tm-1	169	97.568
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	91.701
Cd	108	
Cd	114	
Ag	109	
In	115	88.594
207.977	208	
Pb	207	
Pb	206	
Tm	169	97.568
Pd	106	
Kr	83	

Sample ID: H8XMAL
Sample Description: G6G100000-455 LCSD
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 17:22:57
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H8XMAL.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			1010404.058	ug/L	1129503.827
>	6	Li-1			454578.113	ug/L	399139.181
	9	Be	185.140974	0.294	64764.466	ug/L	3.667
	44	Ca	1103.848643	0.410	314828.888	ug/L	16013.981
	51	V	205.424608	0.690	2064601.976	ug/L	-47390.264
	52	Cr	206.858998	0.613	1925033.871	ug/L	34939.285
	55	Mn	212.201434	0.667	3026907.859	ug/L	3405.665
	59	Co	193.845941	0.348	2313122.927	ug/L	124.001
	60	Ni	192.654338	0.360	496033.726	ug/L	452.684
	65	Cu	190.198195	0.353	442124.341	ug/L	478.111
	68	Zn	187.396776	0.547	148142.589	ug/L	2967.504
	75	As	189.113239	0.504	365436.993	ug/L	17090.100
	82	Se	181.274154	0.120	33831.615	ug/L	1263.322
	97	Mo	193.455435	0.359	321251.218	ug/L	32.333
>	72	Ge-1			728947.417	ug/L	817355.230
	107	Ag	49.013779	0.905	390480.174	ug/L	50.667
	111	Cd	189.585059	0.081	319914.741	ug/L	12.639
	135	Ba	211.178990	0.193	289114.806	ug/L	160.668
>	115	In-1			704371.204	ug/L	809297.989
	208	Pb	194.791389	0.636	3746040.250	ug/L	1071.359
>	169	Tm-1			478544.551	ug/L	494585.952
	50	Cr	199.327036	2.350	36519.143	ug/L	-847.463
	53	Cr	148.885805	2.721	272332.261	ug/L	142176.328
	61	Ni	189.733200	2.321	9368.022	ug/L	1592.739
	63	Cu	188.786159	0.865	345104.858	ug/L	386.024
	67	Zn	174.303331	2.309	13236.649	ug/L	1671.780
	66	Zn	184.008020	0.557	74088.710	ug/L	1378.972
	76	Se	243.732697	4.631	-85209.333	ug/L	-103140.426
	77	Se	118.210820	2.119	28016.030	ug/L	14182.042
	78	Se	183.422869	0.639	96602.969	ug/L	19495.435
	79	Br	-1224.064757	6.886	14111.001	ug/L	37299.601
>	72	Ge			728947.417	ug/L	817355.230
	108	Cd	185.879436	0.795	22206.883	ug/L	5.112
	114	Cd	188.322850	0.382	748111.541	ug/L	38.941
	109	Ag	48.739482	0.302	134945.751	ug/L	19.000

115 In			704371.204	ug/L	809297.989
208 207.977	197.011213	0.193	1935821.942	ug/L	552.684
207 Pb	202.789441	1.113	825510.223	ug/L	237.670
206 Pb	184.599215	1.317	984708.085	ug/L	281.005
169 Tm			478544.551	ug/L	494585.952
106 Pd	175.177312	1.499	29216.035	ug/L	6.000
83 Kr	524.633468	20.005	1045.044	ug/L	1286.400

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	113.890
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	89.184
Ag	107	
Cd	111	
Ba	135	
In-1	115	87.035
Pb	208	
Tm-1	169	96.757
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	89.184
Cd	108	
Cd	114	
Ag	109	
In	115	87.035
207.977	208	
Pb	207	
Pb	206	
Tm	169	96.757
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: H74DN
Sample Description: G6F230235-1
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 17:27:01
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74DN.021
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			1012834.533	ug/L	1129503.827
>	6	Li-1			450185.133	ug/L	399139.181
	9	Be	0.014010	88.995	9.000	ug/L	3.667
	44	Ca	554.541434	1.021	168588.300	ug/L	16013.981
	51	V	3.925452	1.789	-2045.568	ug/L	-47390.264
	52	Cr	0.694831	13.370	38271.523	ug/L	34939.285
	55	Mn	16.071474	1.194	236715.225	ug/L	3405.665
	59	Co	0.344838	0.304	4310.395	ug/L	124.001
	60	Ni	3.678717	0.831	10067.263	ug/L	452.684
	65	Cu	34.851183	0.781	82998.165	ug/L	478.111
	68	Zn	6.038256	3.715	7482.867	ug/L	2967.504
	75	As	0.118979	93.209	15773.131	ug/L	17090.100
	82	Se	-0.355252	5.306	1084.031	ug/L	1263.322
	97	Mo	0.402618	6.916	711.362	ug/L	32.333
>	72	Ge-1			743647.487	ug/L	817355.230
	107	Ag	0.030478	3.274	287.338	ug/L	50.667
	111	Cd	0.039071	30.174	77.070	ug/L	12.639
	135	Ba	3.366905	2.493	4754.292	ug/L	160.668
>	115	In-1			705457.678	ug/L	809297.989
	208	Pb	1.576266	0.513	31602.189	ug/L	1071.359
>	169	Tm-1			482515.525	ug/L	494585.952
	50	Cr	6.557677	13.045	481.229	ug/L	-847.463
	53	Cr	-94.712001	3.339	34874.983	ug/L	142176.328
	61	Ni	4.472071	29.199	1639.764	ug/L	1592.739
	63	Cu	34.993412	1.262	65539.470	ug/L	386.024
	67	Zn	-5.175567	35.431	1164.218	ug/L	1671.780
	66	Zn	6.111741	4.890	3724.221	ug/L	1378.972
	76	Se	-36.672124	88.583	-94886.495	ug/L	-103140.426
	77	Se	-77.035613	1.223	2685.289	ug/L	14182.042
	78	Se	-4.190626	1.691	15891.109	ug/L	19495.435
	79	Br	-1182.359159	6.453	15056.758	ug/L	37299.601
>	72	Ge			743647.487	ug/L	817355.230
	108	Cd	0.102533	163.945	16.696	ug/L	5.112
	114	Cd	0.026309	9.638	138.618	ug/L	38.941
	109	Ag	0.027815	13.740	93.668	ug/L	19.000

>	115 In			705457.678	ug/L	809297.989
	208 207.977	1.653719	0.359	16919.344	ug/L	552.684
	207 Pb	1.627408	1.749	6909.727	ug/L	237.670
	206 Pb	1.394577	0.877	7773.118	ug/L	281.005
>	169 Tm			482515.525	ug/L	494585.952
	106 Pd	0.491770	7.616	88.000	ug/L	6.000
	83 Kr	532.604430	11.284	1041.377	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	112.789
	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	90.982
	Ag	107	
	Cd	111	
	Ba	135	
>	In-1	115	87.169
	Pb	208	
>	Tm-1	169	97.559
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	90.982
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	87.169
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	97.559
	Pd	106	
	Kr	83	

Sample ID: H74DNP5
Sample Description: G6F230235-1 5X
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 17:31:05
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74DNP5.022
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			1010861.701	ug/L	1129503.827
>	6	Li-1			454913.592	ug/L	399139.181
	9	Be	0.002345	1.313	5.000	ug/L	3.667
	44	Ca	121.928098	0.478	48392.785	ug/L	16013.981
	51	V	1.801010	11.810	-24248.882	ug/L	-47390.264
	52	Cr	-0.070818	57.066	31098.168	ug/L	34939.285
	55	Mn	3.205465	0.621	49652.481	ug/L	3405.665
	59	Co	0.067680	6.465	935.717	ug/L	124.001
	60	Ni	0.659851	2.210	2141.778	ug/L	452.684
	65	Cu	6.863452	0.650	16680.441	ug/L	478.111
	68	Zn	0.794478	16.233	3326.299	ug/L	2967.504
	75	As	-0.415451	74.908	14750.429	ug/L	17090.100
	82	Se	-0.544640	40.192	1048.203	ug/L	1263.322
	97	Mo	0.101397	3.830	201.002	ug/L	32.333
>	72	Ge-1			742972.485	ug/L	817355.230
	107	Ag	0.011487	13.128	133.668	ug/L	50.667
	111	Cd	0.006282	24.571	21.288	ug/L	12.639
	135	Ba	0.782715	3.546	1193.748	ug/L	160.668
>	115	In-1			694445.107	ug/L	809297.989
	208	Pb	0.320996	4.080	7099.802	ug/L	1071.359
>	169	Tm-1			471432.846	ug/L	494585.952
	50	Cr	2.162884	5.646	-358.142	ug/L	-847.463
	53	Cr	-39.954358	5.901	89423.121	ug/L	142176.328
	61	Ni	0.295686	370.931	1460.341	ug/L	1592.739
	63	Cu	6.971975	0.497	13328.363	ug/L	386.024
	67	Zn	-3.193036	33.231	1300.271	ug/L	1671.780
	66	Zn	0.693344	19.798	1533.376	ug/L	1378.972
	76	Se	-74.300754	29.016	-95859.262	ug/L	-103140.426
	77	Se	-36.807019	1.052	8014.235	ug/L	14182.042
	78	Se	-4.811505	8.701	15603.250	ug/L	19495.435
	79	Br	-203.347601	31.696	30661.584	ug/L	37299.601
>	72	Ge			742972.485	ug/L	817355.230
	108	Cd	0.031780	79.580	8.137	ug/L	5.112
	114	Cd	0.000853	356.901	36.704	ug/L	38.941
	109	Ag	0.008310	16.544	39.000	ug/L	19.000

115 In			694445.107	ug/L	809297.989
208 207.977	0.337124	5.576	3788.488	ug/L	552.684
207 Pb	0.334077	2.442	1565.807	ug/L	237.670
206 Pb	0.281308	3.634	1745.507	ug/L	281.005
169 Tm			471432.846	ug/L	494585.952
106 Pd	0.089958	41.633	21.000	ug/L	6.000
83 Kr	521.010463	6.886	1046.710	ug/L	1286.400

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	113.974
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	90.900
Ag	107	
Cd	111	
Ba	135	
In-1	115	85.808
Pb	208	
Tm-1	169	95.319
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	90.900
Cd	108	
Cd	114	
Ag	109	
In	115	85.808
207.977	208	
Pb	207	
Pb	206	
Tm	169	95.319
Pd	106	
Kr	83	

Sample ID: H74DNZ
Sample Description: G6F230235-1 PS
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 17:35:10
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74DNZ.023
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			999101.728	ug/L	1129503.827
>	6	Li-1			456273.155	ug/L	399139.181
	9	Be	183.671293	0.761	64487.100	ug/L	3.667
	44	Ca	1611.564028	1.335	452614.173	ug/L	16013.981
	51	V	200.343283	1.099	2010446.443	ug/L	-47390.264
	52	Cr	202.256834	0.905	1881001.761	ug/L	34939.285
	55	Mn	220.972756	0.894	3148740.654	ug/L	3405.665
	59	Co	188.337223	0.920	2245074.379	ug/L	124.001
	60	Ni	192.204143	0.959	494376.837	ug/L	452.684
	65	Cu	219.772557	0.376	510306.021	ug/L	478.111
	68	Zn	194.876347	0.816	153794.140	ug/L	2967.504
	75	As	190.407380	0.480	367471.613	ug/L	17090.100
	82	Se	182.676927	0.815	34050.090	ug/L	1263.322
	97	Mo	189.434889	0.620	314258.501	ug/L	32.333
>	72	Ge-1			728236.349	ug/L	817355.230
	107	Ag	56.675399	0.614	442686.127	ug/L	50.667
	111	Cd	191.377591	0.654	316626.125	ug/L	12.639
	135	Ba	214.105053	0.357	287385.882	ug/L	160.668
>	115	In-1			690596.936	ug/L	809297.989
	208	Pb	192.049470	1.052	3651918.312	ug/L	1071.359
>	169	Tm-1			473160.554	ug/L	494585.952
	50	Cr	200.689754	2.766	36740.435	ug/L	-847.463
	53	Cr	147.673181	2.781	270888.016	ug/L	142176.328
	61	Ni	183.226452	1.281	9086.859	ug/L	1592.739
	63	Cu	217.285516	0.877	396756.997	ug/L	386.024
	67	Zn	180.794395	2.225	13659.458	ug/L	1671.780
	66	Zn	191.183585	1.456	76848.124	ug/L	1378.972
	76	Se	199.351176	14.342	-86362.291	ug/L	-103140.426
	77	Se	118.105355	2.072	27973.934	ug/L	14182.042
	78	Se	184.711459	0.090	97064.530	ug/L	19495.435
	79	Br	-1162.662635	6.939	15058.103	ug/L	37299.601
>	72	Ge			728236.349	ug/L	817355.230
	108	Cd	187.076194	0.234	21913.258	ug/L	5.112
	114	Cd	188.928904	0.472	735853.521	ug/L	38.941
	109	Ag	56.013698	1.151	152048.310	ug/L	19.000

115	In			690596.936	ug/L	809297.989
208	207.977	194.101462	1.324	1885767.015	ug/L	552.684
207	Pb	200.080286	0.916	805384.671	ug/L	237.670
206	Pb	182.141422	1.020	960766.625	ug/L	281.005
169	Tm			473160.554	ug/L	494585.952
106	Pd	171.799755	1.381	28652.843	ug/L	6.000
83	Kr	549.270827	4.587	1033.709	ug/L	1286.400

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	114.314
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	89.097
Ag	107	
Cd	111	
Ba	135	
In-1	115	85.333
Pb	208	
Tm-1	169	95.668
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	89.097
Cd	108	
Cd	114	
Ag	109	
In	115	85.333
207.977	208	
Pb	207	
Pb	206	
Tm	169	95.668
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: H74DT
Sample Description: G6F230235-2
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 17:39:15
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74DT.024
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			998214.610	ug/L	1129503.827
>	6	Li-1			446209.186	ug/L	399139.181
	9	Be	0.010382	31.501	7.667	ug/L	3.667
	44	Ca	525.069990	0.426	157667.164	ug/L	16013.981
	51	V	3.920911	0.702	-2055.291	ug/L	-47390.264
	52	Cr	0.586933	11.328	36631.865	ug/L	34939.285
	55	Mn	18.318770	0.998	264789.194	ug/L	3405.665
	59	Co	0.644284	1.269	7819.493	ug/L	124.001
	60	Ni	3.463399	0.642	9339.006	ug/L	452.684
	65	Cu	19.467877	0.425	45759.945	ug/L	478.111
	68	Zn	5.985157	3.777	7313.390	ug/L	2967.504
	75	As	-0.044076	395.713	15200.528	ug/L	17090.100
	82	Se	-0.319099	12.908	1071.990	ug/L	1263.322
	97	Mo	0.387929	7.714	674.693	ug/L	32.333
>	72	Ge-1			730914.045	ug/L	817355.230
	107	Ag	0.022763	4.556	224.670	ug/L	50.667
	111	Cd	0.034385	26.919	68.776	ug/L	12.639
	135	Ba	3.607031	0.302	5058.795	ug/L	160.668
>	115	In-1			702023.259	ug/L	809297.989
	208	Pb	1.102166	0.621	21988.886	ug/L	1071.359
>	169	Tm-1			473415.837	ug/L	494585.952
	50	Cr	6.571543	1.784	474.298	ug/L	-847.463
	53	Cr	-94.425126	3.019	34578.135	ug/L	142176.328
	61	Ni	3.931838	13.938	1589.404	ug/L	1592.739
	63	Cu	19.578262	0.358	36196.086	ug/L	386.024
	67	Zn	-4.834255	25.873	1168.219	ug/L	1671.780
	66	Zn	6.136065	4.434	3669.488	ug/L	1378.972
	76	Se	-34.622482	50.205	-93198.699	ug/L	-103140.426
	77	Se	-77.548990	0.775	2572.932	ug/L	14182.042
	78	Se	-4.458155	4.986	15502.956	ug/L	19495.435
	79	Br	-1191.427880	5.577	14664.624	ug/L	37299.601
>	72	Ge			730914.045	ug/L	817355.230
	108	Cd	0.170962	71.782	24.794	ug/L	5.112
	114	Cd	0.024357	21.233	130.242	ug/L	38.941
	109	Ag	0.020361	8.660	72.668	ug/L	19.000

⌊>	115 In			702023.259	ug/L	809297.989
⌈	208 207.977	1.153413	0.324	11737.868	ug/L	552.684
|	207 Pb	1.120838	0.591	4740.284	ug/L	237.670
|	206 Pb	0.993527	1.347	5510.735	ug/L	281.005
⌊>	169 Tm			473415.837	ug/L	494585.952
	106 Pd	0.489771	13.488	87.667	ug/L	6.000
	83 Kr	604.342187	8.014	1008.374	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	111.793
⌊	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	89.424
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	86.745
⌈	Pb	208	
⌊>	Tm-1	169	95.720
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	89.424
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	86.745
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	95.720
	Pd	106	
	Kr	83	

Sample ID: H74DW
Sample Description: G6F230235-3
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 17:43:20
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74DW.025
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			994379.364	ug/L	1129503.827
>	6	Li-1			453946.736	ug/L	399139.181
	9	Be	0.005221	219.109	6.000	ug/L	3.667
	44	Ca	552.324751	0.719	165703.990	ug/L	16013.981
	51	V	3.911828	1.044	-2157.799	ug/L	-47390.264
	52	Cr	0.507857	7.172	36035.385	ug/L	34939.285
	55	Mn	11.857955	0.835	173099.801	ug/L	3405.665
	59	Co	0.350379	3.638	4318.066	ug/L	124.001
	60	Ni	1.343972	2.179	3885.776	ug/L	452.684
	65	Cu	36.635235	1.217	86045.759	ug/L	478.111
	68	Zn	4.155454	3.613	5909.662	ug/L	2967.504
	75	As	0.055816	203.026	15441.404	ug/L	17090.100
	82	Se	-0.422118	77.138	1057.033	ug/L	1263.322
	97	Mo	0.347285	4.735	609.355	ug/L	32.333
>	72	Ge-1			733557.222	ug/L	817355.230
	107	Ag	0.021906	2.285	218.003	ug/L	50.667
	111	Cd	0.029273	20.045	60.249	ug/L	12.639
	135	Ba	3.410309	1.668	4793.646	ug/L	160.668
>	115	In-1			702469.807	ug/L	809297.989
	208	Pb	1.175667	0.886	23732.376	ug/L	1071.359
>	169	Tm-1			480403.187	ug/L	494585.952
	50	Cr	6.739274	6.972	507.551	ug/L	-847.463
	53	Cr	-93.849781	2.989	35264.843	ug/L	142176.328
	61	Ni	0.751971	165.417	1461.008	ug/L	1592.739
	63	Cu	36.877360	0.590	68118.772	ug/L	386.024
	67	Zn	-7.018028	21.554	1024.169	ug/L	1671.780
	66	Zn	4.177395	5.088	2902.014	ug/L	1378.972
	76	Se	-53.303074	28.379	-94058.109	ug/L	-103140.426
	77	Se	-77.863794	0.892	2540.925	ug/L	14182.042
	78	Se	-4.587236	7.908	15502.578	ug/L	19495.435
	79	Br	-1131.341109	6.535	15661.504	ug/L	37299.601
>	72	Ge			733557.222	ug/L	817355.230
	108	Cd	0.138777	50.478	20.968	ug/L	5.112
	114	Cd	0.019916	9.557	112.710	ug/L	38.941
	109	Ag	0.019375	5.503	70.001	ug/L	19.000

115 In			702469.807	ug/L	809297.989
208 207.977	1.233172	0.884	12697.874	ug/L	552.684
207 Pb	1.185512	3.024	5074.472	ug/L	237.670
206 Pb	1.062234	2.419	5960.030	ug/L	281.005
169 Tm			480403.187	ug/L	494585.952
106 Pd	0.501765	5.390	89.667	ug/L	6.000
83 Kr	505.793346	4.062	1053.711	ug/L	1286.400

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	113.731
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	89.748
Ag	107	
Cd	111	
Ba	135	
In-1	115	86.800
Pb	208	
Tm-1	169	97.132
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	89.748
Cd	108	
Cd	114	
Ag	109	
In	115	86.800
207.977	208	
Pb	207	
Pb	206	
Tm	169	97.132
Pd	106	
Kr	83	

Sample ID: H74D1
Sample Description: G6F230235-4
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 17:47:27
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74D1.026
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			990166.666	ug/L	1129503.827
>	6	Li-1			453486.132	ug/L	399139.181
	9	Be	0.004299	167.127	5.667	ug/L	3.667
	44	Ca	634.982910	0.814	189006.205	ug/L	16013.981
	51	V	4.087145	0.902	-347.757	ug/L	-47390.264
	52	Cr	0.529076	12.422	36356.719	ug/L	34939.285
	55	Mn	14.286528	1.186	208647.090	ug/L	3405.665
	59	Co	0.405388	0.871	4996.426	ug/L	124.001
	60	Ni	0.986752	3.514	2971.304	ug/L	452.684
	65	Cu	54.860040	0.416	129087.299	ug/L	478.111
	68	Zn	7.943198	1.222	8900.191	ug/L	2967.504
	75	As	-0.077945	27.461	15245.518	ug/L	17090.100
	82	Se	-0.544211	6.833	1038.618	ug/L	1263.322
	97	Mo	0.324199	2.459	572.685	ug/L	32.333
>	72	Ge-1			736111.930	ug/L	817355.230
	107	Ag	0.027123	4.703	259.671	ug/L	50.667
	111	Cd	0.037126	25.082	73.552	ug/L	12.639
	135	Ba	6.208760	1.272	8618.910	ug/L	160.668
>	115	In-1			702957.641	ug/L	809297.989
	208	Pb	1.226957	0.730	24392.322	ug/L	1071.359
>	169	Tm-1			474002.895	ug/L	494585.952
	50	Cr	7.332829	10.271	621.765	ug/L	-847.463
	53	Cr	-93.382464	3.378	35851.308	ug/L	142176.328
	61	Ni	0.328094	344.154	1448.336	ug/L	1592.739
	63	Cu	55.643620	0.427	102964.110	ug/L	386.024
	67	Zn	-3.872145	32.788	1241.914	ug/L	1671.780
	66	Zn	7.882352	1.760	4393.420	ug/L	1378.972
	76	Se	-59.938575	44.742	-94573.050	ug/L	-103140.426
	77	Se	-77.206507	0.443	2636.278	ug/L	14182.042
	78	Se	-4.631717	6.383	15537.766	ug/L	19495.435
	79	Br	-1178.086706	6.645	14978.674	ug/L	37299.601
>	72	Ge			736111.930	ug/L	817355.230
	108	Cd	0.165668	33.660	24.203	ug/L	5.112
	114	Cd	0.024176	24.156	129.745	ug/L	38.941
	109	Ag	0.025519	22.173	87.001	ug/L	19.000

⌊>	115 In			702957.641	ug/L	809297.989
⌈	208 207.977	1.274858	1.151	12933.552	ug/L	552.684
|	207 Pb	1.263191	1.870	5319.950	ug/L	237.670
|	206 Pb	1.111080	1.669	6138.820	ug/L	281.005
⌊>	169 Tm			474002.895	ug/L	494585.952
	106 Pd	0.555740	10.370	98.667	ug/L	6.000
	83 Kr	563.763287	8.457	1027.042	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	113.616
⌊	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	90.060
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	86.860
⌈	Pb	208	
⌊>	Tm-1	169	95.838
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	90.060
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	86.860
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	95.838
	Pd	106	
	Kr	83	

Sample ID: H74D5
Sample Description: G6F230235-5
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 17:51:33
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74D5.027
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			985017.463	ug/L	1129503.827
>	6	Li-1			453230.422	ug/L	399139.181
	9	Be	0.021442	80.450	11.667	ug/L	3.667
	44	Ca	774.913261	0.783	226332.220	ug/L	16013.981
	51	V	5.263702	5.440	11779.492	ug/L	-47390.264
	52	Cr	1.443496	84.468	44571.478	ug/L	34939.285
	55	Mn	20.993709	0.491	303627.127	ug/L	3405.665
	59	Co	0.466968	1.723	5709.196	ug/L	124.001
	60	Ni	1.149544	2.928	3376.870	ug/L	452.684
	65	Cu	85.560470	0.406	200066.375	ug/L	478.111
	68	Zn	6.173855	42.796	7472.348	ug/L	2967.504
	75	As	0.447088	26.340	16145.060	ug/L	17090.100
	82	Se	-0.138224	101.665	1107.000	ug/L	1263.322
	97	Mo	0.420061	2.771	729.697	ug/L	32.333
>	72	Ge-1			732398.702	ug/L	817355.230
	107	Ag	0.016192	15.567	172.668	ug/L	50.667
	111	Cd	0.033997	39.336	68.107	ug/L	12.639
	135	Ba	7.529403	2.099	10414.862	ug/L	160.668
>	115	In-1			702523.184	ug/L	809297.989
	208	Pb	1.308692	0.670	26010.503	ug/L	1071.359
>	169	Tm-1			475121.589	ug/L	494585.952
	50	Cr	11.178200	6.436	1340.862	ug/L	-847.463
	53	Cr	-93.173942	3.528	35871.402	ug/L	142176.328
	61	Ni	-0.998145	118.351	1385.307	ug/L	1592.739
	63	Cu	86.122954	0.268	158370.882	ug/L	386.024
	67	Zn	-5.358274	39.884	1134.875	ug/L	1671.780
	66	Zn	5.808035	45.241	3544.791	ug/L	1378.972
	76	Se	-55.448638	15.887	-93969.337	ug/L	-103140.426
	77	Se	-77.594219	1.711	2571.932	ug/L	14182.042
	78	Se	-4.429185	14.188	15546.250	ug/L	19495.435
	79	Br	-1199.740530	6.508	14561.513	ug/L	37299.601
>	72	Ge			732398.702	ug/L	817355.230
	108	Cd	0.056236	76.315	11.147	ug/L	5.112
	114	Cd	0.022033	1.595	121.097	ug/L	38.941
	109	Ag	0.012968	31.774	52.334	ug/L	19.000

⌊>	115 In			702523.184	ug/L	809297.989
⌈	208 207.977	1.361420	0.237	13808.888	ug/L	552.684
|	207 Pb	1.327925	1.045	5594.121	ug/L	237.670
|	206 Pb	1.196895	1.449	6607.494	ug/L	281.005
⌊>	169 Tm			475121.589	ug/L	494585.952
	106 Pd	0.771641	19.881	134.668	ug/L	6.000
	83 Kr	526.082796	12.845	1044.377	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	113.552
⌊	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	89.606
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	86.806
⌈	Pb	208	
⌊>	Tm-1	169	96.065
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	89.606
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	86.806
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	96.065
	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: Tuesday, July 11, 2006 17:55:40
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\CCV 3.028
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			994981.824	ug/L	1129503.827
>	6	Li-1			453707.641	ug/L	399139.181
	9	Be	98.366593	0.879	34345.947	ug/L	3.667
	44	Ca	5064.834047	0.550	1409091.744	ug/L	16013.981
	51	V	104.090442	0.596	1036942.193	ug/L	-47390.264
	52	Cr	104.745982	0.777	1001375.030	ug/L	34939.285
	55	Mn	104.382183	0.653	1507406.099	ug/L	3405.665
	59	Co	97.298829	0.843	1174237.106	ug/L	124.001
	60	Ni	95.057890	0.640	247735.855	ug/L	452.684
	65	Cu	93.272248	0.520	219495.242	ug/L	478.111
	68	Zn	94.784480	0.590	77103.235	ug/L	2967.504
	75	As	99.622883	0.330	201987.629	ug/L	17090.100
	82	Se	94.848118	1.244	18445.260	ug/L	1263.322
	97	Mo	187.369558	0.770	314667.520	ug/L	32.333
>	72	Ge-1			737212.899	ug/L	817355.230
	107	Ag	49.745423	0.331	379151.226	ug/L	50.667
	111	Cd	100.060369	0.228	161540.603	ug/L	12.639
	135	Ba	105.919247	0.844	138791.422	ug/L	160.668
>	115	In-1			673867.261	ug/L	809297.989
	208	Pb	99.806257	0.777	1832576.073	ug/L	1071.359
>	169	Tm-1			456781.696	ug/L	494585.952
	50	Cr	115.493268	1.784	21076.899	ug/L	-847.463
	53	Cr	99.164597	2.620	226274.561	ug/L	142176.328
	61	Ni	94.423316	1.925	5437.060	ug/L	1592.739
	63	Cu	93.794028	0.407	173581.377	ug/L	386.024
	67	Zn	93.185223	0.574	7858.536	ug/L	1671.780
	66	Zn	94.724301	0.531	39174.686	ug/L	1378.972
	76	Se	40.615468	44.312	-91886.521	ug/L	-103140.426
	77	Se	83.161695	1.423	23725.495	ug/L	14182.042
	78	Se	94.827625	0.319	59001.942	ug/L	19495.435
	79	Br	60.485535	135.997	34598.526	ug/L	37299.601
>	72	Ge			737212.899	ug/L	817355.230
	108	Cd	99.252054	1.639	11346.797	ug/L	5.112
	114	Cd	99.530547	0.309	378283.990	ug/L	38.941
	109	Ag	49.567828	0.782	131295.917	ug/L	19.000

115 In			673867.261	ug/L	809297.989
208 207.977	100.784941	0.490	945504.603	ug/L	552.684
207 Pb	98.716162	0.898	383699.372	ug/L	237.670
206 Pb	98.835506	1.248	503372.098	ug/L	281.005
169 Tm			456781.696	ug/L	494585.952
106 Pd	87.527617	1.190	14600.840	ug/L	6.000
83 Kr	477.532869	16.876	1066.712	ug/L	1286.400

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	113.672
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	90.195
Ag	107	
Cd	111	
Ba	135	
In-1	115	83.266
Pb	208	
Tm-1	169	92.356
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	90.195
Cd	108	
Cd	114	
Ag	109	
In	115	83.266
207.977	208	
Pb	207	
Pb	206	
Tm	169	92.356
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 3
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 11, 2006 17:59:49
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\CCB 3.029
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			1007114.399	ug/L	1129503.827
>	6	Li-1			453980.809	ug/L	399139.181
	9	Be	0.002351	205.477	5.000	ug/L	3.667
	44	Ca	-7.351055	19.573	12572.366	ug/L	16013.981
	51	V	1.149437	10.403	-31204.867	ug/L	-47390.264
	52	Cr	-0.137151	53.588	30612.133	ug/L	34939.285
	55	Mn	-0.053392	4.796	2330.644	ug/L	3405.665
	59	Co	0.003838	39.571	160.001	ug/L	124.001
	60	Ni	-0.071696	2.407	224.478	ug/L	452.684
	65	Cu	-0.075229	5.316	257.619	ug/L	478.111
	68	Zn	-1.583772	7.514	1450.454	ug/L	2967.504
	75	As	-0.588225	37.245	14489.998	ug/L	17090.100
	82	Se	-0.685884	14.287	1026.736	ug/L	1263.322
	97	Mo	0.171438	16.982	320.673	ug/L	32.333
>	72	Ge-1			746264.970	ug/L	817355.230
	107	Ag	0.014286	20.412	155.668	ug/L	50.667
	111	Cd	0.004703	57.364	18.686	ug/L	12.639
	135	Ba	-0.001172	170.403	136.334	ug/L	160.668
>	115	In-1			694738.996	ug/L	809297.989
	208	Pb	-0.019139	1.201	654.343	ug/L	1071.359
>	169	Tm-1			468309.979	ug/L	494585.952
	50	Cr	0.679628	17.373	-643.518	ug/L	-847.463
	53	Cr	-19.629086	14.771	110151.167	ug/L	142176.328
	61	Ni	0.947374	64.764	1494.691	ug/L	1592.739
	63	Cu	-0.086879	4.839	190.006	ug/L	386.024
	67	Zn	-1.410927	91.684	1428.661	ug/L	1671.780
	66	Zn	-1.546957	8.143	632.064	ug/L	1378.972
	76	Se	-55.929092	83.068	-95768.378	ug/L	-103140.426
	77	Se	-22.269683	7.436	9983.319	ug/L	14182.042
	78	Se X	-4.396894	8.461	15855.074	ug/L	19495.435
	79	Br	17.982923	358.729	34338.116	ug/L	37299.601
>	72	Ge			746264.970	ug/L	817355.230
	108	Cd	0.011594	146.641	5.753	ug/L	5.112
	114	Cd	0.000407	662.470	35.011	ug/L	38.941
	109	Ag	0.014174	26.029	55.000	ug/L	19.000

Report Date/Time: Tuesday, July 11, 2006 18:01:41
Page 1

115	In			694738.996	ug/L	809297.989
208	207.977	-0.019140	7.576	339.340	ug/L	552.684
207	Pb	-0.021180	16.796	140.668	ug/L	237.670
206	Pb	-0.017579	11.965	174.335	ug/L	281.005
169	Tm			468309.979	ug/L	494585.952
106	Pd	0.007996	86.603	7.333	ug/L	6.000
83	Kr	581.154235	10.366	1019.042	ug/L	1286.400

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	113.740
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	91.302
Ag	107	
Cd	111	
Ba	135	
In-1	115	85.845
Pb	208	
Tm-1	169	94.687
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	91.302
Cd	108	
Cd	114	
Ag	109	
In	115	85.845
207.977	208	
Pb	207	
Pb	206	
Tm	169	94.687
Pd	106	
Kr	83	

Sample ID: CCV 4
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 11, 2006 18:03:57
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\CCV 4.030
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			1002953.652	ug/L	1129503.827
>	6	Li-1			454885.551	ug/L	399139.181
	9	Be	98.807802	1.152	34589.573	ug/L	3.667
	44	Ca	5098.572142	0.363	1423064.239	ug/L	16013.981
	51	V	104.945957	1.185	1049261.206	ug/L	-47390.264
	52	Cr	105.984920	0.694	1016215.956	ug/L	34939.285
	55	Mn	105.586709	0.164	1529800.523	ug/L	3405.665
	59	Co	97.919346	0.359	1185648.054	ug/L	124.001
	60	Ni	95.781193	0.385	250441.148	ug/L	452.684
	65	Cu	94.366302	0.455	222800.809	ug/L	478.111
	68	Zn	95.309033	0.687	77770.769	ug/L	2967.504
	75	As	100.137596	0.271	203623.197	ug/L	17090.100
	82	Se	95.469265	1.038	18620.211	ug/L	1263.322
	97	Mo	187.667302	0.775	316210.399	ug/L	32.333
>	72	Ge-1			739648.462	ug/L	817355.230
	107	Ag	50.177601	0.723	384525.018	ug/L	50.667
	111	Cd	100.187854	0.395	162624.851	ug/L	12.639
	135	Ba	105.854173	0.554	139466.057	ug/L	160.668
>	115	In-1			677538.792	ug/L	809297.989
	208	Pb	98.102046	0.894	1836239.891	ug/L	1071.359
>	169	Tm-1			465651.641	ug/L	494585.952
	50	Cr	114.305893	3.904	20920.927	ug/L	-847.463
	53	Cr	100.324887	4.347	228180.399	ug/L	142176.328
	61	Ni	94.742549	1.127	5468.447	ug/L	1592.739
	63	Cu	94.385498	0.099	175249.992	ug/L	386.024
	67	Zn	95.043539	1.127	8011.591	ug/L	1671.780
	66	Zn	95.141996	0.552	39472.404	ug/L	1378.972
	76	Se	87.111696	12.336	-90877.620	ug/L	-103140.426
	77	Se	83.405654	3.176	23836.376	ug/L	14182.042
	78	Se	96.227387	0.954	59810.129	ug/L	19495.435
	79	Br	27.265585	139.663	34186.696	ug/L	37299.601
>	72	Ge			739648.462	ug/L	817355.230
	108	Cd	99.533050	0.727	11440.022	ug/L	5.112
	114	Cd	100.312400	0.265	383326.060	ug/L	38.941
	109	Ag	49.805555	0.375	132644.728	ug/L	19.000

⌊>	115 In			677538.792	ug/L	809297.989
⌈	208 207.977	99.164221	1.324	948324.899	ug/L	552.684
|	207 Pb	97.667005	0.610	386997.922	ug/L	237.670
|	206 Pb	96.477623	0.683	500917.070	ug/L	281.005
⌊>	169 Tm			465651.641	ug/L	494585.952
	106 Pd	87.447522	1.230	14587.484	ug/L	6.000
	83 Kr	335.505848	12.139	1132.051	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	113.967
⌊	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	90.493
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	83.719
⌈	Pb	208	
⌊>	Tm-1	169	94.150
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	90.493
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	83.719
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	94.150
	Pd	106	
	Kr	83	

Sample ID: CCB 4
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 11, 2006 18:08:05
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\CCB 4.031
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			1005025.455	ug/L	1129503.827
>	6	Li-1			450217.908	ug/L	399139.181
	9	Be	0.001529	389.739	4.667	ug/L	3.667
	44	Ca	-6.482930	6.938	12833.071	ug/L	16013.981
	51	V	0.862382	11.025	-34264.561	ug/L	-47390.264
	52	Cr	-0.108128	34.660	30931.913	ug/L	34939.285
	55	Mn	-0.050172	8.108	2380.991	ug/L	3405.665
	59	Co	0.004682	14.351	170.668	ug/L	124.001
	60	Ni	-0.068883	10.404	232.258	ug/L	452.684
	65	Cu	-0.072859	10.445	263.721	ug/L	478.111
	68	Zn	-1.607259	8.521	1434.118	ug/L	2967.504
	75	As	-0.580073	52.443	14526.213	ug/L	17090.100
	82	Se	-0.372114	27.073	1086.291	ug/L	1263.322
	97	Mo	0.172619	18.037	323.339	ug/L	32.333
>	72	Ge-1			747363.108	ug/L	817355.230
	107	Ag	0.015689	4.027	165.335	ug/L	50.667
	111	Cd	0.010257	33.343	27.685	ug/L	12.639
	135	Ba	0.006456	261.406	145.335	ug/L	160.668
>	115	In-1			688713.794	ug/L	809297.989
	208	Pb	-0.020366	2.465	625.342	ug/L	1071.359
>	169	Tm-1			463962.319	ug/L	494585.952
	50	Cr	0.685210	17.814	-643.513	ug/L	-847.463
	53	Cr	-17.647824	11.505	112310.986	ug/L	142176.328
	61	Ni	-1.046548	132.689	1411.319	ug/L	1592.739
	63	Cu	-0.083282	10.611	197.006	ug/L	386.024
	67	Zn	-1.133052	13.766	1450.336	ug/L	1671.780
	66	Zn	-1.758675	9.643	547.048	ug/L	1378.972
	76	Se	-57.857824	51.413	-95956.148	ug/L	-103140.426
	77	Se	-21.659381	4.623	10080.397	ug/L	14182.042
	78	Se X	-4.128279	4.050	15998.163	ug/L	19495.435
	79	Br	4.165430	1287.427	34171.662	ug/L	37299.601
>	72	Ge			747363.108	ug/L	817355.230
	108	Cd	-0.015207	163.228	2.568	ug/L	5.112
	114	Cd	0.006627	63.077	58.811	ug/L	38.941
	109	Ag	0.014715	18.136	56.001	ug/L	19.000

⌊>	115 In			688713.794	ug/L	809297.989
⌈	208 207.977	-0.020211	5.562	326.006	ug/L	552.684
|	207 Pb	-0.023388	4.631	130.668	ug/L	237.670
|	206 Pb	-0.018345	13.355	168.668	ug/L	281.005
⌊>	169 Tm			463962.319	ug/L	494585.952
	106 Pd	0.017992	88.192	9.000	ug/L	6.000
	83 Kr	526.807426	12.220	1044.044	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	112.797
⌊	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	91.437
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	85.100
⌈	Pb	208	
⌊>	Tm-1	169	93.808
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	91.437
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	85.100
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	93.808
	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: H74D8
Sample Description: G6F230235-6
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 18:12:11
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74D8.032
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 64
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1012062.452	ug/L	1129503.827
>	6	Li-1			448251.133	ug/L	399139.181
	9	Be	0.014145	19.504	9.000	ug/L	3.667
	44	Ca	645.249134	1.663	198424.980	ug/L	16013.981
	51	V	4.129929	2.931	99.939	ug/L	-47390.264
	52	Cr	0.634068	14.594	38610.680	ug/L	34939.285
	55	Mn	18.634284	1.625	280537.294	ug/L	3405.665
	59	Co	0.324052	1.200	4154.653	ug/L	124.001
	60	Ni	1.220882	1.263	3702.712	ug/L	452.684
	65	Cu	34.493870	1.397	84120.108	ug/L	478.111
	68	Zn	3.140911	4.693	5311.278	ug/L	2967.504
	75	As	0.280468	32.873	16464.895	ug/L	17090.100
	82	Se	-0.356311	98.982	1109.372	ug/L	1263.322
	97	Mo	0.341647	1.159	622.689	ug/L	32.333
>	72	Ge-1			761506.346	ug/L	817355.230
	107	Ag	0.018511	3.721	195.002	ug/L	50.667
	111	Cd	0.025939	12.393	55.725	ug/L	12.639
	135	Ba	5.190819	1.473	7374.107	ug/L	160.668
>	115	In-1			717146.976	ug/L	809297.989
	208	Pb	1.040129	1.465	21223.710	ug/L	1071.359
>	169	Tm-1			482888.459	ug/L	494585.952
	50	Cr	7.840343	2.327	742.225	ug/L	-847.463
	53	Cr	-92.442745	3.664	38047.301	ug/L	142176.328
	61	Ni	-0.554067	36.482	1459.674	ug/L	1592.739
	63	Cu	34.826687	1.251	66795.310	ug/L	386.024
	67	Zn	-7.854487	20.736	1004.496	ug/L	1671.780
	66	Zn	3.140542	3.874	2583.735	ug/L	1378.972
	76	Se	-39.845409	65.094	-97254.976	ug/L	-103140.426
	77	Se	-76.323707	1.548	2845.991	ug/L	14182.042
	78	Se	-4.113688	12.564	16305.426	ug/L	19495.435
	79	Br	-1211.223628	5.044	14953.964	ug/L	37299.601
>	72	Ge			761506.346	ug/L	817355.230
	108	Cd	0.231618	4.351	32.710	ug/L	5.112
	114	Cd	0.012465	90.910	85.046	ug/L	38.941
	109	Ag	0.018387	3.430	68.667	ug/L	19.000

115 In			717146.976	ug/L	809297.989
208 207.977	1.074586	2.147	11189.818	ug/L	552.684
207 Pb	1.074374	1.563	4643.899	ug/L	237.670
206 Pb	0.950531	1.540	5389.993	ug/L	281.005
169 Tm			482888.459	ug/L	494585.952
106 Pd	0.617712	3.884	109.001	ug/L	6.000
83 Kr	445.649359	9.953	1081.380	ug/L	1286.400

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	112.304
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	93.167
Ag	107	
Cd	111	
Ba	135	
In-1	115	88.613
Pb	208	
Tm-1	169	97.635
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	93.167
Cd	108	
Cd	114	
Ag	109	
In	115	88.613
207.977	208	
Pb	207	
Pb	206	
Tm	169	97.635
Pd	106	
Kr	83	

Sample ID: H74EA
Sample Description: G6F230235-7
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 18:16:15
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74EA.033
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 65
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1001085.884	ug/L	1129503.827
>	6	Li-1			442073.661	ug/L	399139.181
	9	Be	0.008634	212.786	7.000	ug/L	3.667
	44	Ca	556.037630	0.864	171414.082	ug/L	16013.981
	51	V	3.724134	4.542	-4201.237	ug/L	-47390.264
	52	Cr	0.522588	14.328	37186.858	ug/L	34939.285
	55	Mn	12.097730	0.789	181510.018	ug/L	3405.665
	59	Co	0.222339	1.175	2859.467	ug/L	124.001
	60	Ni	0.844442	3.272	2665.079	ug/L	452.684
	65	Cu	57.683891	1.007	139039.526	ug/L	478.111
	68	Zn	2.473639	4.026	4725.609	ug/L	2967.504
	75	As	0.065918	128.064	15896.761	ug/L	17090.100
	82	Se	-0.442813	13.959	1083.142	ug/L	1263.322
	97	Mo	0.290841	5.038	529.349	ug/L	32.333
>	72	Ge-1			754234.142	ug/L	817355.230
	107	Ag	0.024687	9.893	242.337	ug/L	50.667
	111	Cd	0.026138	24.265	55.434	ug/L	12.639
	135	Ba	3.526682	1.098	4997.427	ug/L	160.668
>	115	In-1			708858.853	ug/L	809297.989
	208	Pb	1.708349	1.213	34305.564	ug/L	1071.359
>	169	Tm-1			484567.968	ug/L	494585.952
	50	Cr	6.971607	4.333	566.686	ug/L	-847.463
	53	Cr	-90.936240	4.145	39189.340	ug/L	142176.328
	61	Ni	-0.821190	204.980	1433.662	ug/L	1592.739
	63	Cu	58.302428	0.146	110524.719	ug/L	386.024
	67	Zn	-8.248160	11.673	967.150	ug/L	1671.780
	66	Zn	2.440208	4.626	2272.493	ug/L	1378.972
	76	Se	-57.516465	21.533	-96828.086	ug/L	-103140.426
	77	Se	-76.310207	1.667	2820.652	ug/L	14182.042
	78	Se	-4.371129	3.136	16036.507	ug/L	19495.435
	79	Br	-1197.668891	7.273	15023.064	ug/L	37299.601
>	72	Ge			754234.142	ug/L	817355.230
	108	Cd	0.166191	45.100	24.474	ug/L	5.112
	114	Cd	0.014408	4.561	91.703	ug/L	38.941
	109	Ag	0.026678	19.413	91.001	ug/L	19.000

⌊>	115 In			708858.853	ug/L	809297.989
⌈	208 207.977	1.765295	1.176	18098.699	ug/L	552.684
|	207 Pb	1.788317	2.152	7602.636	ug/L	237.670
|	206 Pb	1.542435	1.721	8604.229	ug/L	281.005
⌊>	169 Tm			484567.968	ug/L	494585.952
	106 Pd	0.487772	3.094	87.334	ug/L	6.000
	83 Kr	547.821584	2.815	1034.376	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	110.757
⌊	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	92.277
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	87.589
⌈	Pb	208	
⌊>	Tm-1	169	97.974
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	92.277
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	87.589
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	97.974
	Pd	106	
	Kr	83	

Sample ID: H74ED
Sample Description: G6F230235-8
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 18:20:19
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74ED.034
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 66
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1014290.788	ug/L	1129503.827
>	6	Li-1			441556.105	ug/L	399139.181
	9	Be	-0.007026	63.689	1.667	ug/L	3.667
	44	Ca	234.568323	0.329	81764.586	ug/L	16013.981
	51	V	3.226843	2.764	-9590.265	ug/L	-47390.264
	52	Cr	0.173811	44.189	34264.301	ug/L	34939.285
	55	Mn	2.774925	1.532	44548.790	ug/L	3405.665
	59	Co	0.202424	2.433	2643.066	ug/L	124.001
	60	Ni	0.546843	1.050	1894.392	ug/L	452.684
	65	Cu	0.919222	3.355	2679.522	ug/L	478.111
	68	Zn	-0.581024	22.245	2296.635	ug/L	2967.504
	75	As	-0.108624	33.492	15736.816	ug/L	17090.100
	82	Se	-0.664412	54.617	1053.646	ug/L	1263.322
	97	Mo	0.168946	2.776	323.673	ug/L	32.333
>	72	Ge-1			762685.692	ug/L	817355.230
	107	Ag	0.000260	430.233	47.000	ug/L	50.667
	111	Cd	-0.000653	682.255	10.038	ug/L	12.639
	135	Ba	0.455330	1.152	776.368	ug/L	160.668
>	115	In-1			716808.795	ug/L	809297.989
	208	Pb	0.138286	0.919	3707.640	ug/L	1071.359
>	169	Tm-1			480153.271	ug/L	494585.952
	50	Cr	4.322635	3.558	55.082	ug/L	-847.463
	53	Cr	-90.518447	3.753	40066.582	ug/L	142176.328
	61	Ni	-0.029811	2536.529	1485.020	ug/L	1592.739
	63	Cu	0.902692	1.943	2085.029	ug/L	386.024
	67	Zn	-10.058390	13.177	850.450	ug/L	1671.780
	66	Zn	-0.466729	17.636	1093.525	ug/L	1378.972
	76	Se	-69.585921	6.116	-98265.772	ug/L	-103140.426
	77	Se	-75.680196	1.049	2938.679	ug/L	14182.042
	78	Se	-3.875467	4.045	16440.118	ug/L	19495.435
	79	Br	-1310.230161	5.267	13354.159	ug/L	37299.601
>	72	Ge			762685.692	ug/L	817355.230
	108	Cd	0.215866	21.119	30.779	ug/L	5.112
	114	Cd	0.000296	821.937	35.684	ug/L	38.941
	109	Ag	-0.000414	89.128	15.667	ug/L	19.000

⌊>	115 In			716808.795	ug/L	809297.989
⌈	208 207.977	0.143956	2.105	1955.218	ug/L	552.684
|	207 Pb	0.145173	4.146	823.705	ug/L	237.670
|	206 Pb	0.122589	1.999	928.716	ug/L	281.005
⌊>	169 Tm			480153.271	ug/L	494585.952
	106 Pd	0.285866	18.920	53.667	ug/L	6.000
	83 Kr	458.692547	21.334	1075.380	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	110.627
⌊	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	93.311
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	88.572
⌈	Pb	208	
⌊>	Tm-1	169	97.082
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	93.311
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	88.572
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	97.082
	Pd	106	
	Kr	83	

Sample ID: H74EF
Sample Description: G6F230235-9
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 18:24:23
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74EF.035
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 67
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1002976.595	ug/L	1129503.827
>	6	Li-1			442587.454	ug/L	399139.181
	9	Be	0.026176	66.679	13.000	ug/L	3.667
	44	Ca	975.402618	0.856	289283.365	ug/L	16013.981
	51	V	4.818806	1.493	7400.120	ug/L	-47390.264
	52	Cr	1.250988	4.323	44050.622	ug/L	34939.285
	55	Mn	29.978324	1.103	444718.779	ug/L	3405.665
	59	Co	0.725591	1.397	9064.026	ug/L	124.001
	60	Ni	1.233034	1.587	3696.267	ug/L	452.684
	65	Cu	492.811621	1.329	1183466.528	ug/L	478.111
	68	Zn	5.202113	2.538	6910.395	ug/L	2967.504
	75	As	0.210676	18.234	16158.305	ug/L	17090.100
	82	Se	-0.378851	23.444	1093.921	ug/L	1263.322
	97	Mo	0.336563	5.550	607.354	ug/L	32.333
>	72	Ge-1			753515.776	ug/L	817355.230
	107	Ag	0.226903	1.201	1865.532	ug/L	50.667
	111	Cd	0.055077	13.562	104.748	ug/L	12.639
	135	Ba	9.229993	1.151	12866.120	ug/L	160.668
>	115	In-1			709678.040	ug/L	809297.989
	208	Pb	2.780931	0.918	53513.345	ug/L	1071.359
>	169	Tm-1			469870.768	ug/L	494585.952
	50	Cr	12.759680	4.792	1685.380	ug/L	-847.463
	53	Cr	-90.110124	3.884	40015.111	ug/L	142176.328
	61	Ni	-0.900283	118.822	1429.327	ug/L	1592.739
	63	Cu	495.252847	0.682	935261.695	ug/L	386.024
	67	Zn	-5.018111	30.894	1191.895	ug/L	1671.780
	66	Zn	4.854290	4.360	3257.698	ug/L	1378.972
	76	Se	-60.570271	65.996	-96828.721	ug/L	-103140.426
	77	Se	-76.016757	1.222	2858.661	ug/L	14182.042
	78	Se	-4.359692	4.321	16026.074	ug/L	19495.435
	79	Br	-1149.604335	5.323	15797.337	ug/L	37299.601
>	72	Ge			753515.776	ug/L	817355.230
	108	Cd	-0.480870	2.461	-53.387	ug/L	5.112
	114	Cd	0.028776	0.976	149.317	ug/L	38.941
	109	Ag	0.222686	9.070	637.732	ug/L	19.000

>>	115 In			709678.040	ug/L	809297.989
	208 207.977	2.885776	1.244	28357.210	ug/L	552.684
	207 Pb	2.901720	1.269	11820.646	ug/L	237.670
	206 Pb	2.495640	1.009	13335.489	ug/L	281.005
>>	169 Tm			469870.768	ug/L	494585.952
	106 Pd	0.887588	4.110	154.001	ug/L	6.000
	83 Kr	446.373983	10.614	1081.047	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	110.885
	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	92.190
	Ag	107	
	Cd	111	
	Ba	135	
>	In-1	115	87.691
	Pb	208	
>	Tm-1	169	95.003
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	92.190
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	87.691
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	95.003
	Pd	106	
	Kr	83	

Sample ID: H74EK
Sample Description: G6F230235-10
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 18:28:27
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74EK.036
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 68
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			989591.344	ug/L	1129503.827
>	6	Li-1			447552.446	ug/L	399139.181
	9	Be	0.019964	57.228	11.000	ug/L	3.667
	44	Ca	770.646181	1.168	229419.761	ug/L	16013.981
	51	V	4.356386	3.147	2477.890	ug/L	-47390.264
	52	Cr	0.727791	9.634	38724.533	ug/L	34939.285
	55	Mn	29.404977	0.530	432085.855	ug/L	3405.665
	59	Co	0.517695	0.992	6437.368	ug/L	124.001
	60	Ni	1.343925	0.573	3952.963	ug/L	452.684
	65	Cu	67.250939	0.957	160317.627	ug/L	478.111
	68	Zn	4.358610	4.374	6173.511	ug/L	2967.504
	75	As	0.072937	25.676	15741.670	ug/L	17090.100
	82	Se	-0.511428	22.287	1058.965	ug/L	1263.322
	97	Mo	0.296819	3.046	534.016	ug/L	32.333
>	72	Ge-1			746258.989	ug/L	817355.230
	107	Ag	0.033680	8.983	312.339	ug/L	50.667
	111	Cd	0.056294	8.257	106.000	ug/L	12.639
	135	Ba	7.894526	0.203	10942.838	ug/L	160.668
>	115	In-1			704387.849	ug/L	809297.989
	208	Pb	1.340917	1.838	26605.202	ug/L	1071.359
>	169	Tm-1			474766.384	ug/L	494585.952
	50	Cr	10.392480	9.291	1216.502	ug/L	-847.463
	53	Cr	-89.888617	2.899	39859.896	ug/L	142176.328
	61	Ni	-1.080223	119.034	1407.984	ug/L	1592.739
	63	Cu	66.803320	0.411	125250.920	ug/L	386.024
	67	Zn	-6.230869	18.298	1096.860	ug/L	1671.780
	66	Zn	4.089699	1.571	2916.694	ug/L	1378.972
	76	Se	-55.753477	57.552	-95759.558	ug/L	-103140.426
	77	Se	-76.132265	1.273	2815.984	ug/L	14182.042
	78	Se	-4.306008	13.814	15894.930	ug/L	19495.435
	79	Br	-1191.612460	4.997	14974.994	ug/L	37299.601
>	72	Ge			746258.989	ug/L	817355.230
	108	Cd	0.089601	103.324	15.132	ug/L	5.112
	114	Cd	0.025293	4.672	134.369	ug/L	38.941
	109	Ag	0.031722	6.410	104.335	ug/L	19.000

⌊>	115 In			704387.849	ug/L	809297.989
⌈	208 207.977	1.394596	2.075	14121.388	ug/L	552.684
|	207 Pb	1.365260	2.558	5740.550	ug/L	237.670
|	206 Pb	1.223468	1.092	6743.264	ug/L	281.005
⌊>	169 Tm			474766.384	ug/L	494585.952
	106 Pd	0.793631	6.773	138.334	ug/L	6.000
	83 Kr	495.648585	5.588	1058.378	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	112.129
⌊	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	91.302
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	87.037
⌈	Pb	208	
⌊>	Tm-1	169	95.993
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	91.302
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	87.037
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	95.993
	Pd	106	
	Kr	83	

Sample ID: H74FF
Sample Description: G6F230235-11
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 18:32:33
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74FF.037
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 69
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			986545.181	ug/L	1129503.827
>	6	Li-1			447821.534	ug/L	399139.181
	9	Be	0.011256	67.190	8.000	ug/L	3.667
	44	Ca	844.151385	0.040	249392.284	ug/L	16013.981
	51	V	4.219864	1.382	1039.331	ug/L	-47390.264
	52	Cr	0.803898	6.831	39349.281	ug/L	34939.285
	55	Mn	18.326764	0.318	269899.172	ug/L	3405.665
	59	Co	0.425058	1.988	5294.268	ug/L	124.001
	60	Ni	0.938298	1.534	2878.360	ug/L	452.684
	65	Cu	304.953801	0.181	723936.858	ug/L	478.111
	68	Zn	4.965436	2.405	6641.853	ug/L	2967.504
	75	As	0.002059	5156.624	15573.534	ug/L	17090.100
	82	Se	-0.233719	56.565	1107.888	ug/L	1263.322
	97	Mo	0.374319	1.665	664.359	ug/L	32.333
>	72	Ge-1			744686.353	ug/L	817355.230
	107	Ag	0.125747	3.751	1049.730	ug/L	50.667
	111	Cd	0.041520	28.988	81.355	ug/L	12.639
	135	Ba	6.283125	1.029	8769.059	ug/L	160.668
>	115	In-1			706928.243	ug/L	809297.989
	208	Pb	1.497822	0.379	29557.507	ug/L	1071.359
>	169	Tm-1			474101.004	ug/L	494585.952
	50	Cr	9.312956	7.258	1007.482	ug/L	-847.463
	53	Cr	-88.665386	3.552	40969.659	ug/L	142176.328
	61	Ni	-0.028189	4918.840	1450.003	ug/L	1592.739
	63	Cu	295.991021	0.507	552587.596	ug/L	386.024
	67	Zn	-5.549845	27.795	1140.542	ug/L	1671.780
	66	Zn	5.055803	2.892	3301.410	ug/L	1378.972
	76	Se	-62.241541	12.684	-95739.014	ug/L	-103140.426
	77	Se	-75.676984	1.056	2869.663	ug/L	14182.042
	78	Se	-4.837901	5.726	15627.097	ug/L	19495.435
	79	Br	-1168.441551	7.218	15302.735	ug/L	37299.601
>	72	Ge			744686.353	ug/L	817355.230
	108	Cd	-0.115254	101.843	-9.333	ug/L	5.112
	114	Cd	0.023031	7.310	125.833	ug/L	38.941
	109	Ag	0.114936	7.142	336.018	ug/L	19.000

⌊>	115 In			706928.243	ug/L	809297.989
⌈	208 207.977	1.550383	0.517	15618.260	ug/L	552.684
|	207 Pb	1.545196	1.098	6458.383	ug/L	237.670
|	206 Pb	1.364860	2.478	7480.864	ug/L	281.005
⌊>	169 Tm			474101.004	ug/L	494585.952
	106 Pd	0.727661	7.106	127.334	ug/L	6.000
	83 Kr	531.879827	8.218	1041.710	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	112.197
⌊	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	91.109
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	87.351
⌈	Pb	208	
⌊>	Tm-1	169	95.858
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	91.109
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	87.351
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	95.858
	Pd	106	
	Kr	83	

Sample ID: H74FH
Sample Description: G6F230235-12
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 18:36:38
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74FH.038
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 70
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			991127.695	ug/L	1129503.827
>	6	Li-1			448448.693	ug/L	399139.181
	9	Be	0.014147	41.220	9.000	ug/L	3.667
	44	Ca	1109.167963	0.371	324534.256	ug/L	16013.981
	51	V	4.883360	2.027	8027.671	ug/L	-47390.264
	52	Cr	0.964566	4.058	41033.992	ug/L	34939.285
	55	Mn	27.921439	0.476	411389.002	ug/L	3405.665
	59	Co	0.552566	1.159	6878.703	ug/L	124.001
	60	Ni	1.374820	0.520	4043.643	ug/L	452.684
	65	Cu	144.649148	0.799	345122.102	ug/L	478.111
	68	Zn	12.365228	1.307	12567.019	ug/L	2967.504
	75	As	0.341157	13.767	16287.943	ug/L	17090.100
	82	Se	-0.375451	50.182	1086.521	ug/L	1263.322
	97	Mo	0.435399	2.322	771.367	ug/L	32.333
>	72	Ge-1			747985.489	ug/L	817355.230
	107	Ag	0.065334	0.753	565.685	ug/L	50.667
	111	Cd	0.063290	10.555	118.012	ug/L	12.639
	135	Ba	11.959584	1.169	16538.953	ug/L	160.668
>	115	In-1			705773.475	ug/L	809297.989
	208	Pb	1.597608	0.760	31268.665	ug/L	1071.359
>	169	Tm-1			471267.442	ug/L	494585.952
	50	Cr	11.558132	7.146	1442.440	ug/L	-847.463
	53	Cr	-88.798182	3.427	41026.608	ug/L	142176.328
	61	Ni	-0.572790	384.265	1433.330	ug/L	1592.739
	63	Cu	143.523140	0.709	269307.253	ug/L	386.024
	67	Zn	0.735768	167.605	1580.400	ug/L	1671.780
	66	Zn	12.260846	1.365	6243.231	ug/L	1378.972
	76	Se	-50.872286	17.106	-95838.255	ug/L	-103140.426
	77	Se	-76.152503	1.782	2818.985	ug/L	14182.042
	78	Se	-4.764558	9.513	15728.489	ug/L	19495.435
	79	Br	-1153.480773	5.707	15615.441	ug/L	37299.601
>	72	Ge			747985.489	ug/L	817355.230
	108	Cd	0.216963	8.344	30.431	ug/L	5.112
	114	Cd	0.037463	8.524	183.019	ug/L	38.941
	109	Ag	0.057322	15.316	175.672	ug/L	19.000

⌊>	115 In			705773.475	ug/L	809297.989
⌈	208 207.977	1.668854	0.240	16671.201	ug/L	552.684
|	207 Pb	1.610126	1.159	6679.549	ug/L	237.670
|	206 Pb	1.456827	3.007	7917.915	ug/L	281.005
⌊>	169 Tm			471267.442	ug/L	494585.952
	106 Pd	1.083499	4.708	186.669	ug/L	6.000
	83 Kr	574.632659	4.918	1022.042	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	112.354
⌊	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	91.513
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	87.208
⌈	Pb	208	
⌊>	Tm-1	169	95.285
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	91.513
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	87.208
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	95.285
	Pd	106	
	Kr	83	

Sample ID: H74FM
Sample Description: G6F230235-13
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 18:40:44
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74FM.039
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 71
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			982794.070	ug/L	1129503.827
>	6	Li-1			451880.751	ug/L	399139.181
	9	Be	0.065733	17.722	27.000	ug/L	3.667
	44	Ca	1346.226747	0.540	384721.595	ug/L	16013.981
	51	V	6.826904	0.307	28038.744	ug/L	-47390.264
	52	Cr	1.361101	8.192	44067.391	ug/L	34939.285
	55	Mn	38.995887	0.324	564457.342	ug/L	3405.665
	59	Co	0.900052	1.001	10961.195	ug/L	124.001
	60	Ni	2.028385	1.202	5679.694	ug/L	452.684
	65	Cu	281.185894	0.782	660120.237	ug/L	478.111
	68	Zn	8.107636	2.015	9032.994	ug/L	2967.504
	75	As	1.025278	9.165	17315.551	ug/L	17090.100
	82	Se	0.276490	117.177	1188.621	ug/L	1263.322
	97	Mo	0.627339	5.365	1081.400	ug/L	32.333
>	72	Ge-1			736412.065	ug/L	817355.230
	107	Ag	0.072213	4.362	615.022	ug/L	50.667
	111	Cd	0.075527	7.452	137.549	ug/L	12.639
	135	Ba	14.602974	0.840	19984.133	ug/L	160.668
>	115	In-1			699489.354	ug/L	809297.989
	208	Pb	1.966470	0.495	37940.491	ug/L	1071.359
>	169	Tm-1			467400.889	ug/L	494585.952
	50	Cr	19.357396	13.097	2892.871	ug/L	-847.463
	53	Cr	-89.491973	4.009	39711.372	ug/L	142176.328
	61	Ni	1.062972	143.811	1480.018	ug/L	1592.739
	63	Cu	273.252418	0.778	504478.859	ug/L	386.024
	67	Zn	-3.141737	50.766	1292.268	ug/L	1671.780
	66	Zn	7.641222	3.435	4298.956	ug/L	1378.972
	76	Se	-77.747632	20.213	-95109.802	ug/L	-103140.426
	77	Se	-75.728899	1.877	2831.322	ug/L	14182.042
	78	Se	-4.625873	6.460	15546.402	ug/L	19495.435
	79	Br	-1178.345562	6.761	14982.014	ug/L	37299.601
>	72	Ge			736412.065	ug/L	817355.230
	108	Cd	-0.220996	89.792	-21.645	ug/L	5.112
	114	Cd	0.038017	11.336	183.659	ug/L	38.941
	109	Ag	0.062419	1.787	188.006	ug/L	19.000

L>	115 In			699489.354	ug/L	809297.989
⌈	208 207.977	2.035243	1.350	20049.614	ug/L	552.684
|	207 Pb	1.997200	1.021	8163.807	ug/L	237.670
|	206 Pb	1.816348	0.341	9727.070	ug/L	281.005
L>	169 Tm			467400.889	ug/L	494585.952
	106 Pd	1.445337	4.892	247.003	ug/L	6.000
	83 Kr	560.864813	3.882	1028.376	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	113.214
L	Be	9	
⌈	Ca	44	
|	V	51	
|	Cr	52	
|	Mn	55	
|	Co	59	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
|	Se	82	
|	Mo	97	
L>	Ge-1	72	90.097
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
L>	In-1	115	86.432
⌈	Pb	208	
L>	Tm-1	169	94.503
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
L>	Ge	72	90.097
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
L>	In	115	86.432
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	94.503
	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: H74FP
Sample Description: G6F230235-14
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 18:44:50
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74FP.040
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 72
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			962620.613	ug/L	1129503.827
>	6	Li-1			449203.146	ug/L	399139.181
	9	Be	0.041191	39.590	18.333	ug/L	3.667
	44	Ca	1249.817710	1.489	353320.273	ug/L	16013.981
	51	V	5.307646	0.785	12127.326	ug/L	-47390.264
	52	Cr	1.458633	7.005	44355.817	ug/L	34939.285
	55	Mn	38.033048	1.878	543067.432	ug/L	3405.665
	59	Co	0.672549	2.250	8106.420	ug/L	124.001
	60	Ni	1.574765	0.374	4439.779	ug/L	452.684
	65	Cu	98.741090	1.894	228916.558	ug/L	478.111
	68	Zn	8.534630	2.023	9241.546	ug/L	2967.504
	75	As	0.618177	19.032	16329.648	ug/L	17090.100
	82	Se	-0.147360	175.906	1095.988	ug/L	1263.322
	97	Mo	0.480201	1.673	823.372	ug/L	32.333
>	72	Ge-1			726464.793	ug/L	817355.230
	107	Ag	0.040937	2.551	363.341	ug/L	50.667
	111	Cd	0.066346	16.356	120.737	ug/L	12.639
	135	Ba	11.574531	2.134	15679.705	ug/L	160.668
>	115	In-1			691271.273	ug/L	809297.989
	208	Pb	1.797477	2.111	34516.328	ug/L	1071.359
>	169	Tm-1			464110.958	ug/L	494585.952
	50	Cr	13.841439	10.179	1825.632	ug/L	-847.463
	53	Cr	-89.671441	3.888	38985.689	ug/L	142176.328
	61	Ni	-0.543645	310.612	1392.310	ug/L	1592.739
	63	Cu	99.326476	1.992	181086.857	ug/L	386.024
	67	Zn	-2.312470	60.900	1330.284	ug/L	1671.780
	66	Zn	8.219411	5.029	4468.863	ug/L	1378.972
	76	Se	-62.184512	56.379	-93395.397	ug/L	-103140.426
	77	Se	-77.247944	1.607	2595.603	ug/L	14182.042
	78	Se	-4.501315	5.930	15389.107	ug/L	19495.435
	79	Br	-1146.472247	6.204	15272.017	ug/L	37299.601
>	72	Ge			726464.793	ug/L	817355.230
	108	Cd	0.157146	70.286	22.764	ug/L	5.112
	114	Cd	0.034918	21.666	169.307	ug/L	38.941
	109	Ag	0.034875	7.047	111.002	ug/L	19.000

⌊>	115 In			691271.273	ug/L	809297.989
⌈	208 207.977	1.866319	1.653	18296.443	ug/L	552.684
|	207 Pb	1.855509	2.663	7546.254	ug/L	237.670
|	206 Pb	1.626394	3.540	8673.632	ug/L	281.005
⌊>	169 Tm			464110.958	ug/L	494585.952
	106 Pd	1.149469	7.198	197.669	ug/L	6.000
	83 Kr	577.531148	6.038	1020.708	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	112.543
⌊	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	88.880
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	85.416
⌈	Pb	208	
⌊>	Tm-1	169	93.838
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	88.880
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	85.416
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	93.838
	Pd	106	
	Kr	83	

Sample ID: H74FR
Sample Description: G6F230235-15
Batch ID: 6191455
Sample Date/Time: Tuesday, July 11, 2006 18:48:56
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\H74FR.041
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Autosampler Position: 73
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			970670.079	ug/L	1129503.827
>	6	Li-1			452454.947	ug/L	399139.181
	9	Be	-0.010030	16.482	0.667	ug/L	3.667
	44	Ca	241.387421	0.903	81235.696	ug/L	16013.981
	51	V	3.386533	1.101	-7644.661	ug/L	-47390.264
	52	Cr	0.332177	10.977	34726.775	ug/L	34939.285
	55	Mn	1.573031	0.570	25845.450	ug/L	3405.665
	59	Co	0.160448	0.669	2056.242	ug/L	124.001
	60	Ni	0.463331	3.394	1620.285	ug/L	452.684
	65	Cu	1.060510	2.524	2933.612	ug/L	478.111
	68	Zn	0.021125	818.284	2705.086	ug/L	2967.504
	75	As	-0.386216	67.399	14747.822	ug/L	17090.100
	82	Se	-0.736095	48.617	1009.153	ug/L	1263.322
	97	Mo	0.132116	4.506	252.004	ug/L	32.333
>	72	Ge-1			740203.458	ug/L	817355.230
	107	Ag	-0.001065	7.376	35.333	ug/L	50.667
	111	Cd	0.004108	45.077	17.803	ug/L	12.639
	135	Ba	0.511057	1.284	832.706	ug/L	160.668
>	115	In-1			698923.424	ug/L	809297.989
	208	Pb	0.130813	5.191	3501.274	ug/L	1071.359
>	169	Tm-1			471775.357	ug/L	494585.952
	50	Cr	4.458870	7.212	79.384	ug/L	-847.463
	53	Cr	-89.679177	3.660	39706.511	ug/L	142176.328
	61	Ni	-1.752316	125.338	1368.301	ug/L	1592.739
	63	Cu	1.046517	3.934	2289.839	ug/L	386.024
	67	Zn	-10.060188	15.234	824.776	ug/L	1671.780
	66	Zn	-0.046946	422.962	1230.243	ug/L	1378.972
	76	Se	-75.056833	22.230	-95526.783	ug/L	-103140.426
	77	Se	-76.547495	1.113	2737.300	ug/L	14182.042
	78	Se	-5.232141	10.034	15358.857	ug/L	19495.435
	79	Br	-1339.425533	5.300	12492.264	ug/L	37299.601
>	72	Ge			740203.458	ug/L	817355.230
	108	Cd	0.091919	53.724	15.310	ug/L	5.112
	114	Cd	-0.000703	447.701	30.923	ug/L	38.941
	109	Ag	-0.001729	51.949	11.667	ug/L	19.000

⌊>	115 In			698923.424	ug/L	809297.989
⌈	208 207.977	0.136509	5.488	1849.196	ug/L	552.684
|	207 Pb	0.130437	3.497	750.032	ug/L	237.670
|	206 Pb	0.120608	8.509	902.047	ug/L	281.005
⌊>	169 Tm			471775.357	ug/L	494585.952
	106 Pd	0.257879	16.279	49.000	ug/L	6.000
	83 Kr	562.314012	11.855	1027.709	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	113.358
⌊	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	90.561
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	86.362
⌈	Pb	208	
⌊>	Tm-1	169	95.388
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	90.561
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	86.362
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	95.388
	Pd	106	
	Kr	83	

Sample ID: CCV 5
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 11, 2006 18:53:03
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\CCV 5.042
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			968215.636	ug/L	1129503.827
>	6	Li-1			451716.656	ug/L	399139.181
	9	Be	98.742783	1.414	34324.530	ug/L	3.667
	44	Ca	4985.261356	0.749	1368092.537	ug/L	16013.981
	51	V	106.107618	1.438	1043289.811	ug/L	-47390.264
	52	Cr	106.549951	0.072	1004096.635	ug/L	34939.285
	55	Mn	104.346144	0.387	1486147.731	ug/L	3405.665
	59	Co	96.679986	0.965	1150710.124	ug/L	124.001
	60	Ni	93.960181	0.363	241508.752	ug/L	452.684
	65	Cu	92.869893	0.952	215539.643	ug/L	478.111
	68	Zn	94.471704	0.519	75799.914	ug/L	2967.504
	75	As	99.837014	0.142	199605.865	ug/L	17090.100
	82	Se	93.358173	0.358	17924.052	ug/L	1263.322
	97	Mo	187.432419	1.381	310435.137	ug/L	32.333
>	72	Ge-1			727077.979	ug/L	817355.230
	107	Ag	49.653462	0.702	373166.206	ug/L	50.667
	111	Cd	99.763380	0.328	158813.311	ug/L	12.639
	135	Ba	106.223427	0.414	137252.789	ug/L	160.668
>	115	In-1			664471.927	ug/L	809297.989
	208	Pb	98.785276	0.787	1808163.599	ug/L	1071.359
>	169	Tm-1			455345.028	ug/L	494585.952
	50	Cr	121.580487	3.295	21925.383	ug/L	-847.463
	53	Cr	105.802437	3.025	229628.905	ug/L	142176.328
	61	Ni	87.546453	3.471	5074.451	ug/L	1592.739
	63	Cu	93.242720	0.650	170187.791	ug/L	386.024
	67	Zn	94.516296	1.867	7839.488	ug/L	1671.780
	66	Zn	92.789140	1.291	37870.427	ug/L	1378.972
	76	Se	72.440571	27.384	-89739.888	ug/L	-103140.426
	77	Se	83.838967	1.600	23486.711	ug/L	14182.042
	78	Se	94.050556	0.575	57855.468	ug/L	19495.435
	79	Br	9.011190	674.271	33317.694	ug/L	37299.601
>	72	Ge			727077.979	ug/L	817355.230
	108	Cd	99.263986	0.557	11189.615	ug/L	5.112
	114	Cd	99.671711	0.437	373529.125	ug/L	38.941
	109	Ag	49.525565	1.127	129349.436	ug/L	19.000

⌊>	115 In			664471.927	ug/L	809297.989
⌈	208 207.977	100.001543	1.012	935203.460	ug/L	552.684
|	207 Pb	97.972678	0.726	379622.202	ug/L	237.670
|	206 Pb	97.165156	0.454	493337.938	ug/L	281.005
⌊>	169 Tm			455345.028	ug/L	494585.952
	106 Pd	85.777560	1.531	14309.025	ug/L	6.000
	83 Kr	539.850697	8.023	1038.043	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	113.173
⌊	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	88.955
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
⌊>	In-1	115	82.105
⌈	Pb	208	
⌊>	Tm-1	169	92.066
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
⌊>	Ge	72	88.955
⌈	Cd	108	
|	Cd	114	
|	Ag	109	
⌊>	In	115	82.105
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	92.066
	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 5
Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 11, 2006 18:57:12
Method File: C:\elandata\Method\6191455.mth
Dataset File: C:\elandata\Dataset\060711A1\CCB 5.043
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			972066.683	ug/L	1129503.827
>	6	Li-1			446922.180	ug/L	399139.181
	9	Be	0.002601	4.190	5.000	ug/L	3.667
	44	Ca	-4.327193	11.710	13168.236	ug/L	16013.981
	51	V	0.853863	17.366	-33670.415	ug/L	-47390.264
	52	Cr	0.016201	318.861	31461.131	ug/L	34939.285
	55	Mn	-0.047775	5.548	2367.987	ug/L	3405.665
	59	Co	0.006050	11.818	183.669	ug/L	124.001
	60	Ni	-0.068733	5.852	227.980	ug/L	452.684
	65	Cu	-0.068031	1.322	269.728	ug/L	478.111
	68	Zn	-1.644437	2.592	1376.442	ug/L	2967.504
	75	As	-0.452312	53.378	14475.807	ug/L	17090.100
	82	Se	-0.474228	45.700	1046.188	ug/L	1263.322
	97	Mo	0.180477	15.547	330.006	ug/L	32.333
>	72	Ge-1			732525.153	ug/L	817355.230
	107	Ag	0.012642	22.224	139.668	ug/L	50.667
	111	Cd	0.009002	25.794	25.259	ug/L	12.639
	135	Ba	0.011188	72.397	149.668	ug/L	160.668
>	115	In-1			679495.861	ug/L	809297.989
	208	Pb	-0.015550	7.476	713.345	ug/L	1071.359
>	169	Tm-1			462834.041	ug/L	494585.952
	50	Cr	0.593931	15.550	-647.881	ug/L	-847.463
	53	Cr	-14.740367	16.256	112935.308	ug/L	142176.328
	61	Ni	-2.978226	40.411	1301.938	ug/L	1592.739
	63	Cu	-0.086771	11.240	186.672	ug/L	386.024
	67	Zn	-0.357903	246.529	1474.015	ug/L	1671.780
	66	Zn	-1.710799	5.493	555.049	ug/L	1378.972
	76	Se	-62.006347	24.990	-94168.303	ug/L	-103140.426
	77	Se	-20.728652	5.484	10001.667	ug/L	14182.042
	78	Se X	-4.364109	1.814	15578.006	ug/L	19495.435
	79	Br	-8.543810	541.800	33292.621	ug/L	37299.601
>	72	Ge			732525.153	ug/L	817355.230
	108	Cd	0.001391	3048.988	4.445	ug/L	5.112
	114	Cd	0.004512	88.699	50.018	ug/L	38.941
	109	Ag	0.013625	16.329	52.334	ug/L	19.000

L>	115 In			679495.861	ug/L	809297.989
⌈	208 207.977	-0.014574	15.594	378.675	ug/L	552.684
|	207 Pb	-0.018405	21.507	150.001	ug/L	237.670
|	206 Pb	-0.015168	19.940	184.669	ug/L	281.005
L>	169 Tm			462834.041	ug/L	494585.952
	106 Pd	0.001999	458.258	6.333	ug/L	6.000
	83 Kr	529.705945	9.451	1042.710	ug/L	1286.400

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	111.972
L	Be	9	
⌈	Ca	44	
|	V	51	
|	Cr	52	
|	Mn	55	
|	Co	59	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
|	Se	82	
|	Mo	97	
L>	Ge-1	72	89.621
⌈	Ag	107	
|	Cd	111	
|	Ba	135	
L>	In-1	115	83.961
⌈	Pb	208	
L>	Tm-1	169	93.580
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
|	Se	76	
|	Se	77	
|	Se	78	
|	Br	79	
->	Ge	72	89.621
	Cd	108	
	Cd	114	
	Ag	109	
->	In	115	83.961
	207.977	208	
	Pb	207	
	Pb	206	
->	Tm	169	93.580
	Pd	106	
	Kr	83	

Mercury

G6F230235

STL Sacramento

RUN SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) | Instrument: STL2 (H03) | Reported: 07/14/06 16:38:14

Sequence: 14JUL06B **Date:** 07/14/06 15:13 **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		07/14/06 15:13		☐
2	Std02Rep1	= 0.200			0.00	1.0	0.00	ug/L		07/14/06 15:15		☐
3	Std03Rep1	= 0.500			0.00	1.0	0.00	ug/L		07/14/06 15:16		☐
4	Std04Rep1	= 1.00			0.00	1.0	0.00	ug/L		07/14/06 15:18		☐
5	Std05Rep1	= 5.00			0.00	1.0	0.00	ug/L		07/14/06 15:20		☐
6	Std06Rep1	= 10.0			0.00	1.0	0.00	ug/L		07/14/06 15:22		☐
7	ICV	= 2.00			1.97	1.0	1.97	ug/L	98.5%	07/14/06 15:29		☐
8	ICB				0.00	1.0	0.00	ug/L		07/14/06 15:30		☐
9	H9AQ5B	G6G140000	6195460		0.00	1.0	0.00	ug/L		07/14/06 15:32		☐
10	H9AQ5C	G6G140000 = 1.80	6195460		1.05	1.0	0.63	ug/L	35.0%	07/14/06 15:42		☐
11	H9AQ5L	G6G140000 = 1.80	6195460		1.08	1.0	0.65	ug/L	36.0%	07/14/06 15:43		☐
12	H74DN	G6F230235-1	6195460	AIR	-0.12	1.0	-0.07	ug/L		07/14/06 15:45		☐
13	H74DT	G6F230235-2	6195460	AIR	-0.00	1.0	-0.00	ug/L		07/14/06 15:47		☐
14	H74DW	G6F230235-3	6195460	AIR	-0.00	1.0	-0.00	ug/L		07/14/06 15:48		☐
15	H74D1	G6F230235-4	6195460	AIR	-0.00	1.0	-0.00	ug/L		07/14/06 15:50		☐
16	H74D5	G6F230235-5	6195460	AIR	0.02	1.0	0.01	ug/L		07/14/06 15:53		☐
17	H74D8	G6F230235-6	6195460	AIR	-0.10	1.0	-0.06	ug/L		07/14/06 15:55		☐
18	H74EA	G6F230235-7	6195460	AIR	-0.04	1.0	-0.03	ug/L		07/14/06 15:57		☐
19	CCV	= 5.00			4.74	1.0	4.74	ug/L	94.8%	07/14/06 15:59		☐
20	CCB				0.05	1.0	0.05	ug/L		07/14/06 16:01		☐
21	H74ED	G6F230235-8	6195460	AIR	-0.03	1.0	-0.02	ug/L		07/14/06 16:02		☐
22	H74EF	G6F230235-9	6195460	AIR	0.03	1.0	0.02	ug/L		07/14/06 16:04		☐
23	H74EK	G6F230235-10	6195460	AIR	-0.02	1.0	-0.01	ug/L		07/14/06 16:06		☐
24	H74FF	G6F230235-11	6195460	AIR	0.00	1.0	0.00	ug/L		07/14/06 16:08		☐
25	H74FH	G6F230235-12	6195460	AIR	0.03	1.0	0.02	ug/L		07/14/06 16:09		☐
26	H74FM	G6F230235-13	6195460	AIR	0.04	1.0	0.03	ug/L		07/14/06 16:11		☐
27	H74FP	G6F230235-14	6195460	AIR	0.01	1.0	0.01	ug/L		07/14/06 16:13		☐
28	H74FR	G6F230235-15	6195460	AIR	-0.02	1.0	-0.01	ug/L		07/14/06 16:15		☐
29	CCV	= 5.00			4.85	1.0	4.85	ug/L	97.0%	07/14/06 16:17		☐
30	CCB				0.00	1.0	0.00	ug/L		07/14/06 16:18		☐

STL Sacramento

CALIBRATION CHECK SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) Instrument: STL2 (H03) Reported: 07/14/06 16:38:18

Sequence: 14JUL06B **Date:** 07/14/06 15:29 **Analyst:** phomsophat **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
7	ICV	= 2.00			1.97	1.0	1.97	ug/L	98.5%	07/14/06 15:29		☐
8	ICB				0.00	1.0	0.00	ug/L		07/14/06 15:30		☐
19	CCV	= 5.00			4.74	1.0	4.74	ug/L	94.8%	07/14/06 15:59		☐
20	CCB				0.05	1.0	0.05	ug/L		07/14/06 16:01		☐
29	CCV	= 5.00			4.85	1.0	4.85	ug/L	97.0%	07/14/06 16:17		☐
30	CCB				0.00	1.0	0.00	ug/L		07/14/06 16:18		☐

WinHg Database 1.5

File Utility Help

Protocol STL2 Dataset/Proto 14JUL06B/STL2

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

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 2.85310e-4

C -9.70115e-2

Rho .999938

Type Linear

Calibrated

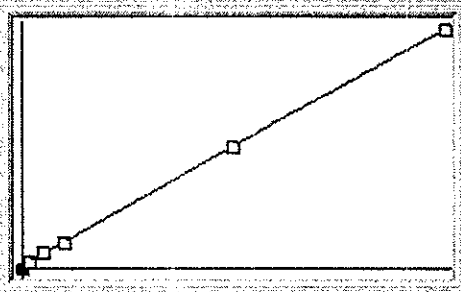
Accepted

Accept

µ Abs. 35319

Accepted

New



14-Jul-06 15:27 Conc. 10.0

Include S1 Rep 1 2 3 4 5

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	-.028	-.028	243	0	242		
02	.20000	.183	-.017	984	0%	983		
03	.50000	.568	.068	2332	0%	2332		
04	1.0000	.955	-.045	3688	0%	3688		
05	5.0000	5.04	.041	18009	0%	18009		
06	10.000	9.98	-.020	35319	0%	35319		

Ready CAP NUM

CHEMIST INITIAL: TP
DATE OF RUN: H03 7/14/06
INSTRUMENT ID.: H03
TYPE OF ANALYSIS: Hg
CALIBRATION STD.: 1767-21-15
ICV STD.: 1767-14
CCV STD.: 1767-15

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1	15:13:23 14 Jul 06	HG		
Hg	.000	ug/L	242					
*** Standard: 2 Rep: 1				Seq: 2	15:15:00 14 Jul 06	HG		
Hg	.200	ug/L	983					
*** Standard: 3 Rep: 1				Seq: 3	15:16:39 14 Jul 06	HG		
Hg	.500	ug/L	2332					
*** Standard: 4 Rep: 1				Seq: 4	15:18:48 14 Jul 06	HG		
Hg	1.00	ug/L	3688					
*** Standard: 5 Rep: 1				Seq: 5	15:20:25 14 Jul 06	HG		
Hg	5.00	ug/L	18009					
*** Standard: 6 Rep: 1				Seq: 6	15:22:12 14 Jul 06	HG		
Hg	10.0	ug/L	35319					

POST-RUN REPORT

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

*** Standard: 1 Rep: 1              Seq:  1       15:13:23 14 Jul 06   HG

Hg    .000    ug/L     242

*** Standard: 2 Rep: 1              Seq:  2       15:15:00 14 Jul 06   HG

Hg    .200    ug/L     983

*** Standard: 3 Rep: 1              Seq:  3       15:16:39 14 Jul 06   HG

Hg    .500    ug/L     2332

*** Standard: 4 Rep: 1              Seq:  4       15:18:48 14 Jul 06   HG

Hg    1.00    ug/L     3688

*** Standard: 5 Rep: 1              Seq:  5       15:20:25 14 Jul 06   HG

Hg    5.00    ug/L     18009

*** Standard: 6 Rep: 1              Seq:  6       15:22:12 14 Jul 06   HG

Hg    10.0    ug/L     35319

*** Sample ID: ICV                   Seq:  7       15:29:12 14 Jul 06   HG

Hg    1.97    ug/L      .000  %   1.97      99%
=============================================================================
*** Sample ID: ICB                   Seq:  8       15:30:50 14 Jul 06   HG

Hg    .005    ug/L      .000  %   .005                                    =
=============================================================================
*** Sample ID: H9AQ5B                Seq:  9       15:32:26 14 Jul 06   HG
                         G6G140000-460
Hg    .003    ug/L      .000  %   .003                                    =
=============================================================================
*** Sample ID: H9AQ5C                Seq:  10      15:42:03 14 Jul 06   HG
                         G6G140000-460
Hg    1.05    ug/L      .000  %   1.05      105%                          =
=============================================================================
*** Sample ID: H9AQ5L                Seq:  11      15:43:55 14 Jul 06   HG
                         G6G140000-460
Hg    1.08    ug/L      .000  %   1.08      108%                          =
=============================================================================
*** Sample ID: H74DN                 Seq:  12      15:45:33 14 Jul 06   HG
                         G6F230235-1
Hg   -.124    ug/L      .000  %  -.124                                    =
=============================================================================
*** Sample ID: H74DT                 Seq:  13      15:47:10 14 Jul 06   HG
                         G6F230235-2
Hg   -.003    ug/L      .000  %  -.003                                    =
=============================================================================
```

POST-RUN REPORT

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

*** Sample ID: H74DW Seq: 14 15:48:51 14 Jul 06 HG
G6F230235-3
Hg -.005 ug/L .000 % -.005

*** Sample ID: H74D1 Seq: 15 15:50:33 14 Jul 06 HG
G6F230235-4
Hg -.001 ug/L .000 % -.001

*** Sample ID: H74D5 Seq: 16 15:53:27 14 Jul 06 HG
G6F230235-5
Hg .018 ug/L .000 % .018

*** Sample ID: H74D8 Seq: 17 15:55:08 14 Jul 06 HG
G6F230235-6
Hg -.098 ug/L .000 % -.098

*** Sample ID: H74EA Seq: 18 15:57:48 14 Jul 06 HG
G6F230235-7
Hg -.042 ug/L .000 % -.042

*** Sample ID: CCV Seq: 19 15:59:26 14 Jul 06 HG
Hg 4.74 ug/L .000 % 4.74 95%

*** Sample ID: CCB Seq: 20 16:01:02 14 Jul 06 HG
Hg .046 ug/L .000 % .046

*** Sample ID: H74ED Seq: 21 16:02:58 14 Jul 06 HG
G6F230235-8
Hg -.025 ug/L .000 % -.025

*** Sample ID: H74EF Seq: 22 16:04:37 14 Jul 06 HG
G6F230235-9
Hg .034 ug/L .000 % .034

*** Sample ID: H74EK Seq: 23 16:06:35 14 Jul 06 HG
G6F230235-10
Hg -.017 ug/L .000 % -.017

*** Sample ID: H74FF Seq: 24 16:08:16 14 Jul 06 HG
G6F230235-11
Hg .003 ug/L .000 % .003

*** Sample ID: H74FH Seq: 25 16:09:58 14 Jul 06 HG
G6F230235-12
Hg .025 ug/L .000 % .025

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

*** Sample ID: H74FM Seq: 26 16:11:46 14 Jul 06 HG
G6F230235-13

Hg	.043	ug/L	.000	%	.043

*** Sample ID: H74FP Seq: 27 16:13:29 14 Jul 06 HG
G6F230235-14

Hg	.013	ug/L	.000	%	.013

*** Sample ID: H74FR Seq: 28 16:15:16 14 Jul 06 HG
G6F230235-15

Hg	-.021	ug/L	.000	%	-.021

*** Sample ID: CCV Seq: 29 16:17:15 14 Jul 06 HG

Hg	4.85	ug/L	.000	%	4.85	97%.

*** Sample ID: CCB Seq: 30 16:18:53 14 Jul 06 HG

Hg	.001	ug/L	.000	%	.001

Sample Preparation Log

STL SACRAMENTO
Metals - Air Toxics - Preparation Log

Date: 11-Jul-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
G6G100000	457	H8XMFB	2A	NA	NA	NA	100	6191457	1.2
G6G100000	457	H8XMFC	2A	NA	NA	NA	100	6191457	1.2
G6G100000	457	H8XMFL	2A	NA	NA	NA	100	6191457	1.2
G6F230235	1	H74DN	2A	9	0.75	0.75	100	6191457	1.2
G6F230235	2	H74DT	2A	9	0.75	0.75	100	6191457	1.2
G6F230235	3	H74DW	2A	9	0.75	0.75	100	6191457	1.2
G6F230235	4	H74D1	2A	9	0.75	0.75	100	6191457	1.2
G6F230235	5	H74D5	2A	9	0.75	0.75	100	6191457	1.2
G6F230235	6	H74D8	2A	9	0.75	0.75	100	6191457	1.2
G6F230235	7	H74EA	2A	9	0.75	0.75	100	6191457	1.2
G6F230235	8	H74ED	2A	9	0.75	0.75	100	6191457	1.2
G6F230235	9	H74EF	2A	9	0.75	0.75	100	6191457	1.2
G6F230235	10	H74EK	2A	9	0.75	0.75	100	6191457	1.2
G6F230235	11	H74FF	2A	9	0.75	0.75	100	6191457	1.2
G6F230235	12	H74FH	2A	9	0.75	0.75	100	6191457	1.2
G6F230235	13	H74FM	2A	9	0.75	0.75	100	6191457	1.2
G6F230235	14	H74FP	2A	9	0.75	0.75	100	6191457	1.2
G6F230235	15	H74FR	2A	9	0.75	0.75	100	6191457	1.2
Mbcontrol	1	F1815158	2A	9	0.75	0.75	100	6191457	1.2

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

STL Sacramento
Metals Preparation Spiking
Documentation Form

SEVERN TRENT STL

Lot # G6F230235

Batch Number: 6191457 | Method: 6010 | Spiked Date: 07/11/06

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

Analyst Initial/Date: 07/11/06 NM | Witness Initial/Date: ML/07/11/06 | 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-Met 7-10	1.0 mL	N/A	11/06
	~~Si H20/Tr HF~~	~~Si~~	~~1,000~~				
	XCAL-45 5% HNO_3	Al,K,Mg,Ca,Na,Fe,P,B,Si As,Be,Cd,Cr,Co,Cu,Pb, Mn,Mo,Ni,Se,U,V,Zn,Ba, Li,Sn,Sr,Ti Sb,Ag,Tl	50 10 2.5			07/11/06 NM	
	Misc. Elements						

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
	70% HNO_3	Mallinckrodt	C16D35		~~30% H_2O_2~~	Mallinckrodt	
	37% HCl	Mallinckrodt			49% HF	Fisher	07/11/06 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: 11-Jul-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
G6G100000	455	H8XMAB	2A	NA	NA	NA	100	6191455	1.2
G6G100000	455	H8XMAC	2A	NA	NA	NA	100	6191455	1.2
G6G100000	455	H8XMAL	2A	NA	NA	NA	100	6191455	1.2
G6F230235	1	H74DN	2A	9	0.75	0.75	100	6191455	1.2
G6F230235	2	H74DT	2A	9	0.75	0.75	100	6191455	1.2
G6F230235	3	H74DW	2A	9	0.75	0.75	100	6191455	1.2
G6F230235	4	H74D1	2A	9	0.75	0.75	100	6191455	1.2
G6F230235	5	H74D5	2A	9	0.75	0.75	100	6191455	1.2
G6F230235	6	H74D8	2A	9	0.75	0.75	100	6191455	1.2
G6F230235	7	H74EA	2A	9	0.75	0.75	100	6191455	1.2
G6F230235	8	H74ED	2A	9	0.75	0.75	100	6191455	1.2
G6F230235	9	H74EF	2A	9	0.75	0.75	100	6191455	1.2
G6F230235	10	H74EK	2A	9	0.75	0.75	100	6191455	1.2
G6F230235	11	H74FF	2A	9	0.75	0.75	100	6191455	1.2
G6F230235	12	H74FH	2A	9	0.75	0.75	100	6191455	1.2
G6F230235	13	H74FM	2A	9	0.75	0.75	100	6191455	1.2
G6F230235	14	H74FP	2A	9	0.75	0.75	100	6191455	1.2
G6F230235	15	H74FR	2A	9	0.75	0.75	100	6191455	1.2
Mbcontrol	1	F1815158	2A	9	0.75	0.75	100	6191455	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 # G6F230235

Batch Number: 6191455 | Method: 6020 | Spiked Date: 07/11/06

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

Analyst Initial/Date: 07/11/06 NM | Witness Initial/Date: ML/07/11/06 | 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% HNO_3	K,Na P,S B,Li,Sr	5,000 1,000 100				
	Si H20/Tr-HF	Si	1,000		07/11/06 NM		
	XCAL-45 5% HNO_3	Al,K,Mg,Ca,Na,Fe,P,B,Si As,Be,Cd,Cr,Co,Cu,Pb, Mn,Mo,Ni,Se,U,V,Zn,Ba, Li Sn,Sr,Ti Sb,Ag,Tl	50 10 2.5	1774-Met 7-8	2.0mL	N/A	11/07
	Misc. Elements				07/11/06 NM		

Prep Reagents:

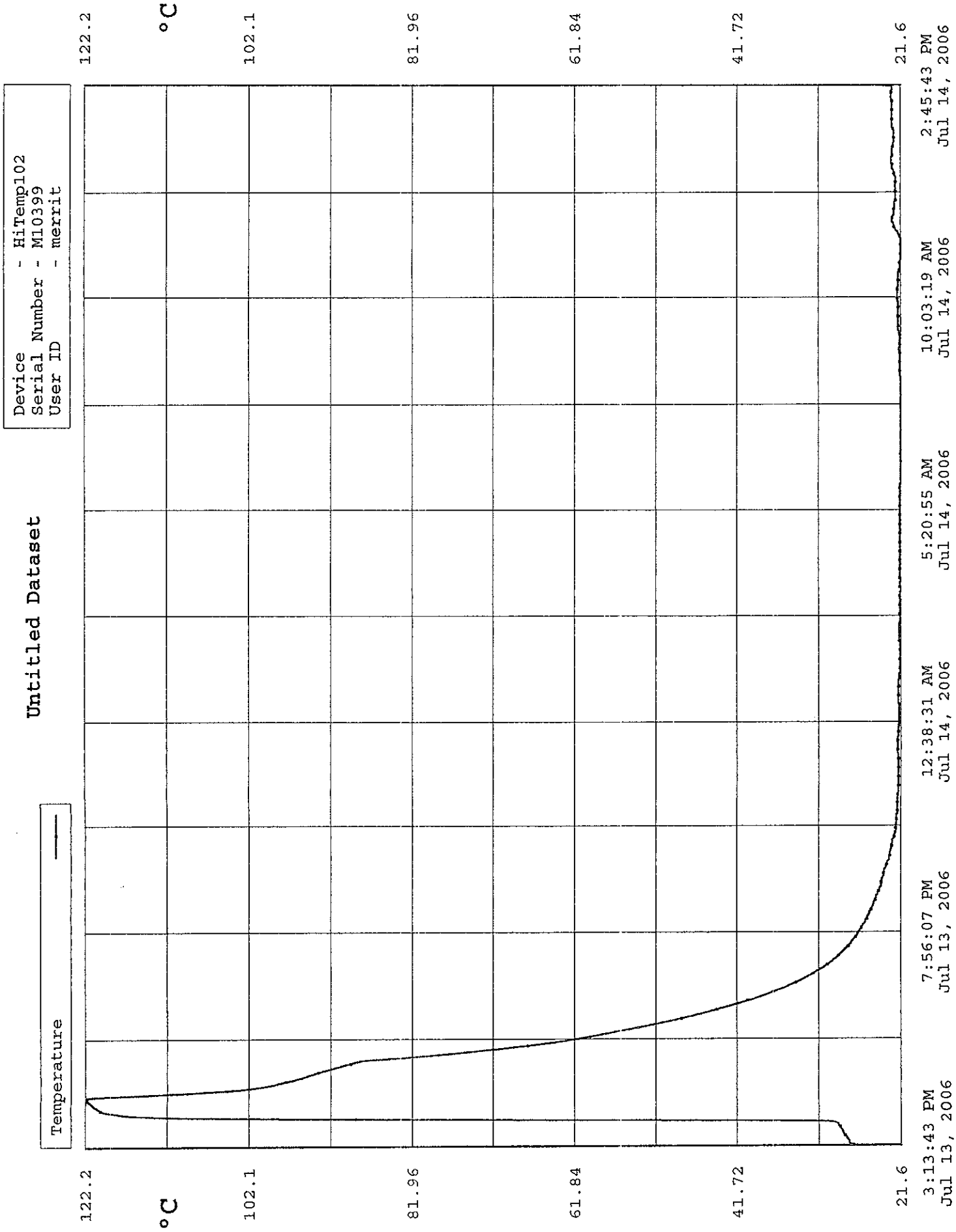
Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
	70% HNO_3	Mallinckrodt	C16035		30% H_2O_2	Mallinckrodt	
	37% HCl	Mallinckrodt			49% HF	Fisher	07/11/06 NM

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.

STL Sacramento
Mercury Sample Preparation Log

STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.	Chemist:	Phomsophat	Date:	07/13/06
0	Std1Rep1	<2	AQUEOUS	50	50	SOP#:	SAC-MT-0005		
0.2	Std2Rep1	<2	AQUEOUS	50	50	Autoclave: Start Time:	14:00		15:00
0.5	Std3Rep1	<2	AQUEOUS	50	50	Balance ID:	QA-007		
1	Std4Rep1	<2	AQUEOUS	50	50	STANDARDS:			
5	Std5Rep1	<2	AQUEOUS	50	50	Initial Calibration Standard (ICV)			
10	Std6Rep1	<2	AQUEOUS	50	50	Tracking#1767-21-114 TP 7/14/06		Conc:	100ppb
ICV	ICV	<2	AQUEOUS	50	50	Calibration Stds./CCV/Matrix Spike/LCSW			
ICB	ICB	<2	AQUEOUS	50	50	Tracking#1767-21-15		Conc:	100ppb
G6G140000-460	H9AQ5B		AQUEOUS	50	50				
G6G140000-460	H9AQ5C		AQUEOUS	50	50				
G6G140000-460	H9AQ5L		AQUEOUS	50	50				
G6F230235-1	H74DN		FILTER	0.75	50				
G6F230235-2	H74DT		FILTER	0.75	50		***SOILS (0.6g/50ml)***		
G6F230235-3	H74DW		FILTER	0.75	50		***WATER (30/30ml) , DI Leach (30/30)***		
G6F230235-4	H74D1		FILTER	0.75	50		***STLC (3/30 ml) , TCLP (6/30ml)***		
G6F230235-5	H74D5		FILTER	0.75	50		Curve/QC (ppb)	Spike Volume	
G6F230235-6	H74D8		FILTER	0.75	50		Conc	Waters/Soils	
G6F230235-7	H74EA		FILTER	0.75	50		0.0	0.0 ul/0.0ul	
G6F230235-8	H74ED		FILTER	0.75	50		0.2	60 ul/100ul	
G6F230235-9	H74EF		FILTER	0.75	50		0.5	150 ul/250ul	
G6F230235-10	H74EK		FILTER	0.75	50		1.0	300 ul/0.5ml	
G6F230235-11	H74FF		FILTER	0.75	50		5.0	1.5 ml/2.5ml	
G6F230235-12	H74FH		FILTER	0.75	50		10.0	3.0 ml/5.0ml	
G6F230235-13	H74FM		FILTER	0.75	50		CCV/5.0	1.5 ml/2.5ml	
G6F230235-14	H74FP		FILTER	0.75	50		LCS/1.0	300 ul/0.5ml	
G6F230235-15	H74FR		FILTER	0.75	50		MS/SD(1.0 H20)(3.0 soils)300 ul/1.5ml		
CCV	CCV		AIR	50	50		ICV/2.0	600 ul/1.0ml	
CCB	CCB		AIR	50	50		**REAGENTS:**		
CCV	CCV		AIR	50	50		HNO3 Lot#: C16035		
CCB	CCB		AIR	50	50				
CCV	CCV		AIR	50	50		KMnO4 Lot#: 2626-Met-46-3		
CCB	CCB		AIR	50	50		K2S2O8 Lot#: 2626-met-46-2		
N/A	N/A	N/A	N/A	N/A	N/A	N/A	NaCl(NH2OH)2626-MET-46-1		
N/A	N/A	N/A	N/A	N/A	N/A	N/A	Stannous Chloride Lot#2626-47-6		
N/A	N/A	N/A	N/A	N/A	N/A	N/A	H2S04 Lot#C06073		

QA392 Rev.2/21/2003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12:38:31 AM Jul 14, 2006
5:20:55 AM Jul 14, 2006
10:03:19 AM Jul 14, 2006
2:45:43 PM Jul 14, 2006

Device Name:	**HiTemp102**
Device Description:	**Temperature Recorder**
Serial Number:	**M10399**
User ID:	**merrit**

Reading Number	Date and Time	Channel 1 Temperature (°C)
1	2006-07-13 15:13:43	27.4
2	2006-07-13 15:14:43	27.8
3	2006-07-13 15:15:43	27.8
4	2006-07-13 15:16:43	27.9
5	2006-07-13 15:17:43	27.9
6	2006-07-13 15:18:43	27.9
7	2006-07-13 15:19:43	28
8	2006-07-13 15:20:43	28
9	2006-07-13 15:21:43	28.1
10	2006-07-13 15:22:43	28.2
11	2006-07-13 15:23:43	28.2
12	2006-07-13 15:24:43	28.3
13	2006-07-13 15:25:43	28.4
14	2006-07-13 15:26:43	28.5
15	2006-07-13 15:27:43	28.5
16	2006-07-13 15:28:43	28.6
17	2006-07-13 15:29:43	28.6
18	2006-07-13 15:30:43	28.7
19	2006-07-13 15:31:43	28.7
20	2006-07-13 15:32:43	28.7
21	2006-07-13 15:33:43	28.8
22	2006-07-13 15:34:43	28.9
23	2006-07-13 15:35:43	28.9
24	2006-07-13 15:36:43	29
25	2006-07-13 15:37:43	29
26	2006-07-13 15:38:43	29.2
27	2006-07-13 15:39:43	29.2
28	2006-07-13 15:40:43	29.2
29	2006-07-13 15:41:43	29.3
30	2006-07-13 15:42:43	29.4
31	2006-07-13 15:43:43	29.6
32	2006-07-13 15:44:43	30
33	2006-07-13 15:45:43	32.4
34	2006-07-13 15:46:43	42.9
35	2006-07-13 15:47:43	59.4
36	2006-07-13 15:48:43	75.4
37	2006-07-13 15:49:43	88.9
38	2006-07-13 15:50:43	99.8
39	2006-07-13 15:51:43	107.2
40	2006-07-13 15:52:43	111.4
41	2006-07-13 15:53:43	114.2
42	2006-07-13 15:54:43	116.2
43	2006-07-13 15:55:43	117.4
44	2006-07-13 15:56:43	118
45	2006-07-13 15:57:43	118.4

46	2006-07-13 15:58:43	119.3
47	2006-07-13 15:59:43	119.8
48	2006-07-13 16:00:43	120.1
49	2006-07-13 16:01:43	120.3
50	2006-07-13 16:02:43	120.5
51	2006-07-13 16:03:43	120.6
52	2006-07-13 16:04:43	120.8
53	2006-07-13 16:05:43	120.9
54	2006-07-13 16:06:43	121.1
55	2006-07-13 16:07:43	121.2
56	2006-07-13 16:08:43	121.4
57	2006-07-13 16:09:43	121.5
58	2006-07-13 16:10:43	121.6
59	2006-07-13 16:11:43	121.7
60	2006-07-13 16:12:43	121.9
61	2006-07-13 16:13:43	122
62	2006-07-13 16:14:43	122
63	2006-07-13 16:15:43	122.2
64	2006-07-13 16:16:43	122.2
65	2006-07-13 16:17:43	121.3
66	2006-07-13 16:18:43	119.1
67	2006-07-13 16:19:43	116.6
68	2006-07-13 16:20:43	114.1
69	2006-07-13 16:21:43	111.9
70	2006-07-13 16:22:43	109.9
71	2006-07-13 16:23:43	108
72	2006-07-13 16:24:43	106.3

AIR, PM-10 & TSP

RQC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEET

Run Date: 6/29/06
Time: 17:37:43

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 #: **6180554**
PREP DATE: 6/28/06 10:21
COMP DATE: 6/29/06 10:25
USER: VALMORES

INITIALS:
PREP
ANAL

DATA ENTRY:
INITIALS
DATE 6/29/06

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
H74DN-1-AA	G-6F230235-001	XX S 88 JR 01	Y-D	6/29/06	P-0675
H74DT-1-AD	G-6F230235-002	XX S 88 JR 01	Y-D		P-0676
H74DW-1-AD	G-6F230235-003	XX S 88 JR 01	Y-D		P-0677
H74D1-1-AD	G-6F230235-004	XX S 88 JR 01	Y-D		P-0678
H74D5-1-AD	G-6F230235-005	XX S 88 JR 01	Y-D		P-0679
H74D8-1-AD	G-6F230235-006	XX S 88 JR 01	Y-D		P-0680
H74EA-1-AD	G-6F230235-007	XX S 88 JR 01	Y-D		P-0681
H74ED-1-AD	G-6F230235-008	XX S 88 JR 01	Y-D		P-0682

Control Limits

STL Sacramento

Air Toxics Laboratory

SEVERN TRENT STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: G6F230235-1->8 Batch #: 6180554

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 6/29/06 ANALYST: SKelmores

LEVEL 1 ANALYSIS REVIEW	YES	NO	NA
1. Samples are in good condition.	✓		
2. Sample filter number matches the folder or petri ID number.	✓		
3. Desiccator temperature and % humidity criteria in control.	✓		
4. Balance calibration criteria met.	✓		
5. Beginning and ending calibration sample bracket weights are in calibration.	✓		
6. Samples reached stable weight.	✓		
7. Samples exceeded 5 consecutive final weighings.			✓

LEVEL 1 DATA REVIEW	YES	NO	NA
1. Benchsheet is complete.	✓		
2. QAS or QAPP consulted and followed for client specifics.	✓		
3. Data entered in properly.	✓		
4. Copy of spreadsheet or logbook raw data entry attached to data package.	✓		
5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.			✓

Completed By & Date: SV 6/29/06

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: JOR 6-29-06

Comments: doo IA

SOP# : Sac-IP-0006

GRAVIMETRIC BALANCE: QA-45

Severn Trent Laboratories

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
	5 g wt	5.0003 051806skv0926	4.9999 051806skv1525	5.0005 062806skv1021	5.0004 062906skv1019					0.0005
H7N1P	pmbc051806-671	4.4244 051806skv0926	4.4247 051806skv1525	4.4608 062606skv1522	4.4607 062706skv1248					0.0360
H7N1T	pmbc051806-672	4.4241 051806skv0926	4.4239 051806skv1525	4.4538 062606skv1522	4.4534 062706skv1248					0.0295
H7N1W	pmbc051806-673	4.3911 051806skv0927	4.3906 051806skv1526	4.4202 062606skv1523	4.4201 062706skv1249					0.0295
H7N10	pmbc051806-674	4.3931 051806skv0929	4.3934 051806skv1526	4.4182 062606skv1523	4.4177 062706skv1249					0.0243
H74DN	pmbc051806-675	4.3713 051806skv0930	4.3708 051806skv1526	4.3907 062806skv1021	4.3902 062906skv1019					0.0194
	5 g wt	5.0002 051806skv0942	4.9999 051806skv1527	5.0000 062606skv1523	5.0000 062706skv1250					0.0001
	5 g wt	5.0002 051806skv0942	4.9999 051806skv1527	5.0004 062806skv1022	5.0004 062906skv1020					0.0005

rev 020303
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Page 1/2 Batch#: 6180554

Reviewed by: JDR 6-29-06

SOP# : Sac-IP-0006

GRAVIMETRIC BALANCE: QA-45

Severn Trent Laboratories

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
	5 g wt	5.0004 060806skv1544	5.0000 060906skv0936	5.0001 062806skv1023	4.9999 062906skv1021					-0.0001
H74DT	pmbc060806-676	4.5330 060806skv1544	4.5332 060906skv0937	4.5476 062806skv1023	4.5477 062906skv1022					0.0145
H74DW	pmbc060806-677	4.5290 060806skv1545	4.5295 060906skv0938	4.5430 062806skv1024	4.5426 062906skv1022					0.0131
H74D1	pmbc060806-678	4.5303 060806skv1545	4.5308 060906skv0938	4.5521 062806skv1024	4.5518 062906skv1023					0.0210
H74D5	pmbc060806-679	4.5267 060806skv1545	4.5263 060906skv0938	4.5678 062806skv1024	4.5681 062906skv1023					0.0418
H74D8	pmbc060806-680	4.5204 060806skv1546	4.5199 060906skv0939	4.5443 062806skv1025	4.5439 062906skv1023					0.0240
H74EA	pmbc060806-681	4.5026 060806skv1546	4.5029 060906skv0940	4.5182 062806skv1025	4.5179 062906skv1024					0.0150
H74ED	pmbc060806-682	4.5104 060806skv1546	4.5108 060906skv0940	4.5100 062806skv1026	4.5100 062906skv1024					-0.0008
	pmbc060806-683	4.5170 060806skv1547	4.5172 060906skv0941							NC
	pmbc060806-684	4.4967 060806skv1547	4.4972 060906skv0941							NC
	pmbc060806-685	4.5037 060806skv1547	4.5032 060906skv0942							NC
	5 g wt	5.0004 060806skv1548	5.0000 060906skv0942	5.0000 062806skv1027	5.0001 062906skv1025					0.0001

rev 020303
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Page 2/2 Batch#: 6180554

Reviewed by: JOP 6-29-06

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch **6180554**

Date 7/18/2006
Time 10:01:36

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.
H74DN-1-AA	0.0194	g	0.0001	06/28-06/29/06	.00	N	R	0.0194	0.0001	1.00
H74DT-1-AD	0.0145	g	0.0001	06/28-06/29/06	.00	N	R	0.0145	0.0001	1.00
H74DW-1-AD	0.0131	g	0.0001	06/28-06/29/06	.00	N	R	0.0131	0.0001	1.00
H74D1-1-AD	0.0210	g	0.0001	06/28-06/29/06	.00	N	R	0.0210	0.0001	1.00
H74D5-1-AD	0.0418	g	0.0001	06/28-06/29/06	.00	N	R	0.0418	0.0001	1.00
H74D8-1-AD	0.0240	g	0.0001	06/28-06/29/06	.00	N	R	0.0240	0.0001	1.00
H74EA-1-AD	0.0150	g	0.0001	06/28-06/29/06	.00	N	R	0.0150	0.0001	1.00
H74ED-1-AD	ND	g	0.0001	06/28-06/29/06	.00	N	R	ND	0.0001	1.00

Notes:

PRODUCTION TOTALS

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

RQC050 Severn Trent Laboratories, Inc. Run Date: 6/29/06
WET CHEM BATCHSHEET Time: 17:40:56

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 #: **6180555** INITIALS: DATA ENTRY:
PREP DATE: 6/28/06 9:45 PREP INITIALS
COMP DATE: 6/29/06 10:18 ANAL DATE 6/29/06
USER: VALMORES

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
H74EF-1-AA	G-6F230235-009	XX S 88 AO 3W	Y-D	6/29/06	000502
H74EK-1-AD	G-6F230235-010	XX S 88 AO 3W	Y-D		000503
H74FF-1-AD	G-6F230235-011	XX S 88 AO 3W	Y-D		000504
H74FH-1-AD	G-6F230235-012	XX S 88 AO 3W	Y-D		000505
H74FM-1-AD	G-6F230235-013	XX S 88 AO 3W	Y-D		000506
H74FP-1-AD	G-6F230235-014	XX S 88 AO 3W	Y-D		000507
H74FR-1-AD	G-6F230235-015	XX S 88 AO 3W	Y-D		000508

Control Limits

STL Sacramento

Air Toxics Laboratory

SEVERN TRENT STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: G6F230235-9→15 Batch #: 6180555

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 6/29/06 ANALYST: DValmores

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: DV 6/29/06

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: JDR 6.29.06

Comments: See 1A

SOP# : Sac-IP-0006

GRAVIMETRIC BALANCE: QA-45

Severn Trent Laboratories

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
	5 g wt	5.0002 060806skv1527	5.0000 060906sv0917	5.0004 062806skv0945	5.0000 062906skv1013					0.0000
H7N2F	bctsp060806-501	4.4990 060806skv1528	4.4990 060906sv0917	4.4968 062606skv1518	4.4970 062706skv1243					-0.0020
H74EF	bctsp060806-502	4.5108 060806skv1528	4.5108 060906sv0919	4.5629 062806skv1016	4.5625 062906skv1013					0.0517
H74EK	bctsp060806-503	4.4969 060806skv1528	4.4966 060906sv0921	4.5390 062806skv1017	4.5385 062906skv1014					0.0419
H74FF	bctsp060806-504	4.4588 060806skv1529	4.4583 060906sv0921	4.4897 062806skv1017	4.4893 062906skv1014					0.0310
H74FH	bctsp060806-505	4.4455 060806skv1529	4.4451 060906sv0921	4.4951 062806skv1018	4.4947 062906skv1015					0.0496
H74FM	bctsp060806-506	4.4744 060806skv1530	4.4749 060906sv0922	4.5843 062806skv1018	4.5843 062906skv1015					0.1094
H74FP	bctsp060806-507	4.4862 060806skv1530	4.4857 060906sv0922	4.5440 062806skv1018	4.5438 062906skv1016					0.0581
H74FR	bctsp060806-508	4.4739 060806skv1530	4.4735 060906sv0922	4.4726 062806skv1019	4.4729 062906skv1017					-0.0006
	bctsp060806-509	4.4865 060806skv1531	4.4861 060906sv0923							NC
	bctsp060806-510	4.4638 060806skv1531	4.4639 060906sv0923							NC
	5 g wt	5.0004 060806skv1531	5.0000 060906sv0924	5.0005 062606skv1519	5.0003 062706skv1244					0.0003
	5 g wt	5.0004 060806skv1531	5.0000 060906sv0924	5.0004 062806skv1019	4.9999 062906skv1018					-0.0001

rev 020303
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Page 1/1 Batch#: G180555

Reviewed by: JOR 6-29-06

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch **6180555**

Date 7/18/2006
Time 10:01:46

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.
H74EF-1-AA	0.0517	g	0.0001	06/28-06/29/06	.00	N	R	0.0517	0.0001	1.00
H74EK-1-AD	0.0419	g	0.0001	06/28-06/29/06	.00	N	R	0.0419	0.0001	1.00
H74FF-1-AD	0.0310	g	0.0001	06/28-06/29/06	.00	N	R	0.0310	0.0001	1.00
H74FH-1-AD	0.0496	g	0.0001	06/28-06/29/06	.00	N	R	0.0496	0.0001	1.00
H74FM-1-AD	0.1094	g	0.0001	06/28-06/29/06	.00	N	R	0.1094	0.0001	1.00
H74FP-1-AD	0.0581	g	0.0001	06/28-06/29/06	.00	N	R	0.0581	0.0001	1.00
H74FR-1-AD	ND	g	0.0001	06/28-06/29/06	.00	N	R	ND	0.0001	1.00

Notes:

PRODUCTION TOTALS

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