ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Chris Ricardi
MACTEC Engineering & Consulting, Inc.
511 Congress Street
Portland, ME 04101

RE: Providence Gorham Site
ESS Laboratory Work Order Number: 0608297

This signed Certificate of Analysis is our approved release of your analytical results. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: September 05, 2006

Sample Receipt
1 Soil sample was received on August 16, 2006 for the analyses specified on the enclosed Chain of Custody Record.

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Metals Analysis
ESS Laboratory utilized the established linear dynamic range to determine acceptable analytical results.
The batch Matrix Spike was outside of the recommended range for Copper. This analyte was below the lower control limit.

No other observations noted.

End of Project Narrative.

mdp

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: SS-SI78 N
Date Sampled: 08/16/06 15:15
Percent Solids: 49

ESS Laboratory Work Order: 0608297
ESS Laboratory Sample ID: 0608297-01
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	DF	Analyst	Analyzed	I/V	F/V
Copper	1770	mg/kg dry	2.7	6010B	1	JP	08/16/06	1.51	100

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0608297

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BH61616 - 3050B										
Blank										
Copper	ND	1.3	mg/kg wet							
LCS										
Copper	33.0	1.3	mg/kg wet	33.3		99	80-120			
LCS Dup										
Copper	32.2	1.3	mg/kg wet	33.3		97	80-120	2	20	
Duplicate **Source: 0608297-01**										
Copper	2020	2.7	mg/kg dry		1770			13	35	
Matrix Spike **Source: 0608297-01**										
Copper	1480	2.6	mg/kg dry	65.0	1770	NR	75-125			+
Reference										
Copper	121	2.0	mg/kg wet	131		92	82.44-117.56			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0608297

Notes and Definitions

+	Outside QC Limits.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
mg/kg	Results reported as wet weight
TCLP	Toxicity Characteristic Leachate Procedure
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
TIC	A forward library search of the NBS Mass Spectral Library was performed on this sample using the McLafferty Probability Base Matching (PBM) Algorithm. An estimated concentration of non-TCL compounds tentatively identified is quantified by the internal standard method. The nearest internal standard free of interferences was used to quantify. A response factor of one was assumed. This search was inclusive of the ten largest peaks greater than ten percent of the nearest internal standard.
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
¶	The state of RI does not grant certification for this method for non-potables.

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0608297

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP): 242405
Potable Water
Non Potable Water

New York (NELAP): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

Metals
Data Package

Metals
Sample Data

ESS Laboratory
SDG: 0608297
CLASS: METALS
METHOD: 6010B

ANALYSES DATA PACKAGE COVER PAGE

6010B

Laboratory: ESS Laboratory SDG: 0608297

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Client Sample Id:	Lab Sample Id:
SS-SI78 N	0608297-01

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been autorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____ Name: _____

Date: _____ Title: _____

METHOD DETECTION AND REPORTING LIMITS

6010B

Laboratory: ESS Laboratory **SDG:** 0608297

Client: MACTEC Engineering & Consulting, Inc. **Project:** Providence Gorham Site

Matrix: Solid **Instrument:**

Analyte	MDL	MRL	Units
Copper	0.2	1.3	mg/kg

METHOD DETECTION AND REPORTING LIMITS

6010B

Laboratory: ESS Laboratory **SDG:** 0608297

Client: MACTEC Engineering & Consulting, Inc. **Project:** Providence Gorham Site

Matrix: Solid **Instrument:** ICP2

Analyte	MDL	MRL	Units
Aluminum	2.7	6.7	mg/kg
Calcium	18.7	26.7	mg/kg
Copper	0.2	1.3	mg/kg
Iron	4.7	6.7	mg/kg
Magnesium	0.7	13.3	mg/kg

INORGANIC ANALYSIS DATA SHEET
6010B

SS-SI78 N

Laboratory: ESS Laboratory
SDG: 0608297
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Soil
Laboratory ID: 0608297-01
File ID: 081606XAD-017
Sampled: 08/16/06 15:15
Prepared: 08/16/06 16:30
Analyzed: 08/16/06 20:23
Solids: 49.00
Preparation: 3050B
Initial/Final: 1.51 g / 100 ml
Batch: BH61616
Sequence: BPH0308
Calibration: UNASSIGNED
Instrument: ICP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-50-8	Copper	1770	1		6010B

Metals
Quality Control Data

METHOD BLANK DATA SHEET
6010B

Laboratory:	ESS Laboratory			SDG:	0608297
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Solid	Laboratory ID:	BH61616-BLK1	File ID:	081606xbd-016
Prepared:	08/16/06 16:30	Preparation:	3050B	Initial/Final:	1.5 g / 100 ml
Analyzed:	08/16/06 18:11	Instrument:	ICP2		
Batch:	BH61616	Sequence:	BPH0308	Calibration:	UNASSIGNED

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
7429-90-5	Aluminum	6.7	U
7440-70-2	Calcium	26.7	U
7440-50-8	Copper	1.3	U J 8/31/06
7439-89-6	Iron	6.7	U
7439-95-4	Magnesium	13.3	U J 8/31/06

SS-SI78 N

DUPLICATES

6010B

Laboratory: ESS Laboratory
Client: MACTEC Engineering & Consulting, Inc.
Matrix: Solid
Batch: BH61616
Preparation: 3050B
Source Sample Name: SS-SI78 N

SDG: 0608297
Project: Providence Gorham Site
Laboratory ID: BH61616-DUP2
Lab Source ID: 0608297-01
Initial/Final: 1.53 g / 100 ml
% Solids: 49.00

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/kg dry)	C	DUPLICATE CONCENTRATION (mg/kg dry)	C	RPD %	Q	METHOD
Copper	35	1770		2020		13		6010B

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

6010B

SS-SI78 N

Laboratory:	ESS Laboratory	SDG:	0608297
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Matrix:	Solid		
Batch:	BH61616	Laboratory ID:	BH61616-MS2
Preparation:	3050B	Initial/Final:	1.57 g / 100 ml

Source Sample Name: SS-SI78 N

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.
Copper	65.0	1770	1480	-446 *	75 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

6010B

Laboratory: ESS Laboratory
SDG: 0608297
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Solid
Batch: BH61616
Laboratory ID: BH61616-BS1
Preparation: 3050B
Initial/Final: 1.5 g / 100 ml

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.
Copper	33.3	33.0	99	80 - 120

COMPOUND	SPIKE ADDED (mg/kg wet)	LCSD CONCENTRATION (mg/kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Copper	33.3	32.2	97	2	20	80 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

STANDARD REFERENCE MATERIAL RECOVERY

6010B

Laboratory: ESS Laboratory
SDG: 0608297
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Solid
Batch: BH61616
Laboratory ID: BH61616-SRM1
Preparation: 3050B
Initial/Final: 1 g / 100 ml

ANALYTE	TRUE (mg/kg wet)	FOUND (mg/kg wet)	SRM % REC.	QC LIMITS REC.
Copper	131	121	92	82.44 - 117.56

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

6010B

SS-SI78 N

Laboratory: ESS Laboratory
SDG: 0608297
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Solid
Laboratory ID: BH61616-PS1
Batch: BH61616
Lab Source ID: 0608297-01
Preparation: 3050B
Initial/Final: 0.151 g / 10 ml
Source Sample Name: SS-SI78 N
% Solids: 49.00

Analyte	Control Limit %R	Spike Sample Result (SSR) (mg/kg dry)	Sample Result (SR) (mg/kg dry)	Spike Added (SA) (mg/kg dry)	%R
Copper	75 - 125	1730	1770	67.6	-59 *

* Values outside of QC limits

SERIAL DILUTION

6010B

SS-SI78 N

Laboratory: ESS Laboratory
SDG: 0608297
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Solid
Laboratory ID: BPH0308-SRD1
Sequence: BPH0308
Lab Source ID: 0608297-01
Preparation: BH61616
Initial/Final: 1.51 / 100
Source Sample Name: SS-SI78 N
% Solids: 49.00

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method	QC Limits % Difference
Copper	1770		1820		3		6010B	10

* Values outside of QC limits

Metals
Calibration Data

ANALYSIS BATCH (SEQUENCE) SUMMARY

6010B

Laboratory:	ESS Laboratory	SDG:	0608297
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BPH0308	Instrument:	ICP2
Matrix:	Solid	Calibration:	UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	BPH0308-CAL1	081606xbd-001	08/16/06 16:36
Cal Standard	BPH0308-CAL2	081606xbd-002	08/16/06 16:40
Cal Standard	BPH0308-CAL3	081606xbd-003	08/16/06 16:44
Cal Standard	BPH0308-CAL4	081606xbd-004	08/16/06 16:48
Initial Cal Check	BPH0308-ICV1	081606xbd-005	08/16/06 16:52
Secondary Cal Check	BPH0308-SCV1	081606xbd-006	08/16/06 16:56
Initial Cal Blank	BPH0308-ICB1	081606xbd-007	08/16/06 17:01
MRL Check	BPH0308-CRL1	081606xbd-008	08/16/06 17:05
MRL Check	BPH0308-CRL2	081606xbd-009	08/16/06 17:09
MRL Check	BPH0308-CRL3	081606xbd-010	08/16/06 17:13
Interference Check A	BPH0308-IFA1	081606xbd-011	08/16/06 17:17
Interference Check B	BPH0308-IFB1	081606xbd-012	08/16/06 17:22
Calibration Check	BPH0308-CCV1	081606xbd-014	08/16/06 18:03
Calibration Blank	BPH0308-CCB1	081606xbd-015	08/16/06 18:07
Blank	BH61616-BLK1	081606xbd-016	08/16/06 18:11
LCS	BH61616-BS1	081606xbd-017	08/16/06 18:15
LCS Dup	BH61616-BSD1	081606xbd-018	08/16/06 18:20
Reference	BH61616-SRM1	081606xbd-019	08/16/06 18:24
Calibration Check	BPH0308-CCV2	081606xbd-026	08/16/06 18:53
Calibration Blank	BPH0308-CCB2	081606XAD-001	08/16/06 19:11
Calibration Check	BPH0308-CCV3	081606XAD-012	08/16/06 20:00
Calibration Blank	BPH0308-CCB3	081606XAD-013	08/16/06 20:05
SS-SI78 N	0608297-01	081606XAD-017	08/16/06 20:23
SS-SI78 N	BH61616-DUP2	081606XAD-018	08/16/06 20:27
SS-SI78 N	BH61616-MS2	081606XAD-019	08/16/06 20:31
SS-SI78 N	BPH0308-SRD1	081606XAD-020	08/16/06 20:36
SS-SI78 N	BH61616-PS1	081606XAD-021	08/16/06 20:40
Calibration Check	BPH0308-CCV4	081606XAD-024	08/16/06 20:52
Calibration Blank	BPH0308-CCB4	081606XAD-025	08/16/06 20:56
Interference Check A	BPH0308-IFA2	081606XAD-061	08/16/06 23:30
Interference Check B	BPH0308-IFB2	081606XAD-062	08/16/06 23:34

BLANKS
6010B

Laboratory: ESS Laboratory
SDG: 0608297
Client: MACTEC Engineering & Consulting, Inc.
Instrument ID: ICP2
Project: Providence Gorham Site
Sequence: BPH0308
Calibration: UNASSIGNED

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
BPH0308-ICB1	Aluminum	0.007	0.1	mg/L		6010B
	Calcium	-0.011	0.4	mg/L		6010B
	Copper	0.004	0.02	mg/L		6010B
	Iron	0.003	0.1	mg/L		6010B
	Magnesium	0.008	0.2	mg/L		6010B
BPH0308-CCB1	Aluminum	0.007	0.1	mg/L		6010B
	Calcium	-0.01	0.4	mg/L		6010B
	Copper	0.004	0.02	mg/L		6010B
	Iron	0.005	0.1	mg/L		6010B
	Magnesium	0.01	0.2	mg/L		6010B
BH61616-BLK1	Aluminum	0.7	6.7	mg/kg wet		6010B
	Calcium	2.0	26.7	mg/kg wet		6010B
	Copper	0.2	1.3	mg/kg wet		6010B
	Iron	1.1	6.7	mg/kg wet		6010B
	Magnesium	0.8	13.3	mg/kg wet		6010B
BPH0308-CCB2	Aluminum	0.007	0.1	mg/L		6010B
	Calcium	-0.01	0.4	mg/L		6010B
	Copper	0.004	0.02	mg/L		6010B
	Iron	0.003	0.1	mg/L		6010B
	Magnesium	0.009	0.2	mg/L		6010B
BPH0308-CCB3	Aluminum	0.01	0.1	mg/L		6010B
	Calcium	-0.01	0.4	mg/L		6010B
	Copper	0.009	0.02	mg/L		6010B
	Iron	0.01	0.1	mg/L		6010B
	Magnesium	0.02	0.2	mg/L		6010B
BPH0308-CCB4	Aluminum	0.01	0.1	mg/L		6010B
	Calcium	-0.01	0.4	mg/L		6010B
	Copper	0.01	0.02	mg/L		6010B
	Iron	0.01	0.1	mg/L		6010B
	Magnesium	0.01	0.2	mg/L		6010B

INITIAL AND CONTINUING CALIBRATION CHECK

6010B

Laboratory: ESS Laboratory
SDG: 0608297
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Instrument ID: ICP2
Calibration: UNASSIGNED
Control Limt: +/- 10.00%
Sequence: BPH0308

Lab Sample ID	Analyte	True	Found	%R	Units	Method
BPH0308-ICV1	Aluminum	2.50	2.47	99	mg/L	6010B
	Calcium	5.00	5.05	101	mg/L	6010B
	Copper	0.500	0.494	99	mg/L	6010B
	Iron	2.50	2.50	100	mg/L	6010B
	Magnesium	5.00	4.99	100	mg/L	6010B
BPH0308-CCV1	Aluminum	2.50	2.52	101	mg/L	6010B
	Calcium	5.00	5.12	102	mg/L	6010B
	Copper	0.500	0.503	101	mg/L	6010B
	Iron	2.50	2.56	102	mg/L	6010B
	Magnesium	5.00	5.11	102	mg/L	6010B
BPH0308-CCV2	Aluminum	2.50	2.47	99	mg/L	6010B
	Calcium	5.00	5.07	101	mg/L	6010B
	Copper	0.500	0.497	99	mg/L	6010B
	Iron	2.50	2.52	101	mg/L	6010B
	Magnesium	5.00	5.03	101	mg/L	6010B
BPH0308-CCV3	Aluminum	2.50	2.48	99	mg/L	6010B
	Calcium	5.00	5.03	101	mg/L	6010B
	Copper	0.500	0.503	101	mg/L	6010B
	Iron	2.50	2.51	100	mg/L	6010B
	Magnesium	5.00	5.00	100	mg/L	6010B
BPH0308-CCV4	Aluminum	2.50	2.45	98	mg/L	6010B
	Calcium	5.00	4.98	100	mg/L	6010B
	Copper	0.500	0.506	101	mg/L	6010B
	Iron	2.50	2.49	100	mg/L	6010B
	Magnesium	5.00	4.95	99	mg/L	6010B

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

6010B

Laboratory: ESS Laboratory
SDG: 0608297
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Instrument ID: ICP2
Calibration: UNASSIGNED
Sequence: BPH0308

Lab Sample ID	Analyte	True	Found	%R	Units
BPH0308-IFA1	Aluminum	250	242.00	97	mg/L
	Aluminum	250	242.00	97	mg/L
	Calcium	250	238.00	95	mg/L
	Calcium	250	238.00	95	mg/L
	Copper		0.00		mg/L
	Copper		0.00		mg/L
	Iron	100	90.20	90	mg/L
	Iron	100	90.20	90	mg/L
	Magnesium	250	232.00	93	mg/L
	Magnesium	250	232.00	93	mg/L
BPH0308-IFB1	Aluminum	250	243.00	97	mg/L
	Aluminum	250	243.00	97	mg/L
	Calcium	250	238.00	95	mg/L
	Calcium	250	238.00	95	mg/L
	Copper	0.250	0.23	93	mg/L
	Copper	0.250	0.23	93	mg/L
	Iron	100	90.40	90	mg/L
	Iron	100	90.40	90	mg/L
	Magnesium	250	233.00	93	mg/L
	Magnesium	250	233.00	93	mg/L
BPH0308-IFA2	Aluminum	250	238.00	95	mg/L
	Aluminum	250	238.00	95	mg/L
	Calcium	250	233.00	93	mg/L
	Calcium	250	233.00	93	mg/L
	Copper		0.00		mg/L
	Copper		0.00		mg/L
	Iron	100	87.70	88	mg/L
	Iron	100	87.70	88	mg/L
	Magnesium	250	227.00	91	mg/L

ICP INTERFERENCE CHECK SAMPLE

6010B

Laboratory: ESS Laboratory
SDG: 0608297
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Instrument ID: ICP2
Calibration: UNASSIGNED
Sequence: BPH0308

Lab Sample ID	Analyte	True	Found	%R	Units
BPH0308-IFA2	Magnesium	250	227.00	91	mg/L
BPH0308-IFB2	Aluminum	250	239.00	96	mg/L
	Aluminum	250	239.00	96	mg/L
	Calcium	250	232.00	93	mg/L
	Calcium	250	232.00	93	mg/L
	Copper	0.250	0.23	92	mg/L
	Copper	0.250	0.23	92	mg/L
	Iron	100	88.10	88	mg/L
	Iron	100	88.10	88	mg/L
	Magnesium	250	228.00	91	mg/L
	Magnesium	250	228.00	91	mg/L

* Values outside of QC limits

CRDL STANDARD

6010B

Laboratory: ESS Laboratory
SDG: 0608297
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Instrument ID: ICP2
Calibration: UNASSIGNED
Sequence: BPH0308

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
BPH0308-CRL1	Aluminum	0.250	0.263	105	mg/L	70 - 130
	Aluminum	0.250	0.263	105	mg/L	70 - 130
	Calcium	0.500	0.505	101	mg/L	70 - 130
	Calcium	0.500	0.505	101	mg/L	70 - 130
	Copper	0.0500	0.053	106	mg/L	70 - 130
	Copper	0.0500	0.053	106	mg/L	70 - 130
	Iron	0.250	0.262	105	mg/L	70 - 130
	Iron	0.250	0.262	105	mg/L	70 - 130
	Magnesium	0.500	0.525	105	mg/L	70 - 130
	Magnesium	0.500	0.525	105	mg/L	70 - 130
BPH0308-CRL2	Aluminum	0.100	0.112	112	mg/L	70 - 130
	Aluminum	0.100	0.112	112	mg/L	70 - 130
	Calcium	0.200	0.193	96	mg/L	70 - 130
	Calcium	0.200	0.193	96	mg/L	70 - 130
	Copper	0.0200	0.023	115	mg/L	70 - 130
	Copper	0.0200	0.023	115	mg/L	70 - 130
	Iron	0.100	0.104	104	mg/L	70 - 130
	Iron	0.100	0.104	104	mg/L	70 - 130
	Magnesium	0.200	0.213	106	mg/L	70 - 130
	Magnesium	0.200	0.213	106	mg/L	70 - 130
BPH0308-CRL3	Aluminum	0.0500	0.062	124	mg/L	70 - 130
	Aluminum	0.0500	0.062	124	mg/L	70 - 130
	Calcium	0.100	0.093	93	mg/L	70 - 130
	Calcium	0.100	0.093	93	mg/L	70 - 130
	Copper	0.0100	0.013	130	mg/L	70 - 130
	Copper	0.0100	0.013	130	mg/L	70 - 130
	Iron	0.0500	0.054	108	mg/L	70 - 130
	Iron	0.0500	0.054	108	mg/L	70 - 130

CRDL STANDARD

6010B

Laboratory: ESS Laboratory

SDG: 0608297

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: ICP2

Calibration: UNASSIGNED

Sequence: BPH0308

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
BPH0308-CRL3	Magnesium	0.100	0.112	112	mg/L	70 - 130
	Magnesium	0.100	0.112	112	mg/L	70 - 130

* Values outside of QC limits

ESS Laboratory
ICP Data Review Checklist

SIF: 081606XAD	**Date Run:** 8/16/06
Method: Weyland X	**Y-IS:** 221235.07
Project Number(s): 08297, 206, 215, 288, 289, 290, 292, 297, 251, 272, 07425	**SOP NO. 30_6010B**

Review Item	Yes (X)	No (X)	N/A (X)
1. Does the daily standard curve consist of a Calibration Blank and the required minimum number of calibration standards and is $R^2 > 0.995$ for all elements?	X		
2. Is the mid-point initial calibration standard reanalyzed immediately after calibration and results within QC limits? (±5% for 200.7, 10% for 6010B)	X		
3. Are interference check standards analyzed at the beginning of each analytical run and within QC limits?	X		
4. Is the ICV from a second source and is its percent within QC limits (±10% and %RPD< 5)?	X		
5. Is the CRI standard 20% of the true value?	X		
6. Are the CCVs analyzed at required frequency and all parameters within QC limits? (±10%)	X		
7. Are the CCB standards analyzed at required frequency and at the end of the analytical sequence and are all parameters within QC limits? (< MRL)	X		
8. Is the method blank run at the desired frequency and is its concentration for target analytes less than the MRL?	X		
9. Is the Laboratory Control Sample run at the desired frequency and is the percent recovery within QC limits? (±15% for 200.7, ±20% for 6010B)	X		
10. Is the Matrix Duplicate run at the desired frequency and is the RPD within QC limits? (± 20% for aqueous and + 35% for soil samples/ **All USACE/Navy samples ≤25%**)	X		
11. Is the matrix spike run at the desired frequency and is the percent recovery /RPD within QC limits? (75-125%)		X	
12. Is a Serial Dilution Analysis performed at the desired frequency and within QC limits? (± 10%)	X		
13. Are post-digestion spikes analyzed at the desired frequency and within QC limits? (85-115% for 200.7, 75-125% for 6010B)		X	
14. Are all samples with concentrations greater than the linear dynamic range diluted and reanalyzed?	X		
15. Are all sample IDs and units checked for transcription errors?	X		
16. Are all nonconformances included and noted?	X		
17. Is the correct methodology used for sample prep and analysis?	X		
18. Are all sample holding times met?	X		
19. Did analyst sign/date the appropriate print outs and report sheets?	X		

Comments on any "No" response:
BH611616 - SLM2 Ag BH611616 · MS2 X10 Cu, MS2 Cu, PDS2 Cu

Analyst: [signature] Date: 8/17/06 2nd Level Review: SD Date: 8/17/06

Page _____ Control 30.0007-0603A

025

Analytical Sequence

Method : everythingx

Seq.	Loc.		Sample ID
1	1		Calib Blank 1
2	2		Calib Std 1
3	3		Calib Std 2
4	4		Calib Std 3
5	3	QC	CCV
6	1	QC	ICCB
7	9		BH61616-BLK1
8	10		BH61616-BS1
9	11	✓	BH61616-BSD1
10	12		BH61616-SRM1
11	13		BH61616-SRM2
12	14		0608297-01X10
13	15	✓	BH61616-DUP2X10
14	16	✓	BH61616-MS2X10
15	17	✓	BH61616-SD2X50
16	18	✓	BH61616-PDS2X10
17	3	QC	CCV
18	1	QC	ICCB
19	19		0608206-03TCLP
20	20		0608206-03
21	21		0608215-01
22	22		0608215-02
23	23		0608288-01
24	24		0608289-01
25	25		0608290-01
26	26	✓	BH61616-DUP1
27	27	✓	BH61616-MS1
28	28	✓	BH61616-SD1
29	3	QC	CCV
30	1	QC	ICCB
31	29	✓	BH61616-PDS1
32	30		0608292-01
33	31		0608292-02
34	32		0608297-01
35	33	✓	BH61616-DUP2
36	34	✓	BH61616-MS2
37	35	✓	BH61616-SD2
38	36	✓	BH61616-PDS2
39	37		BH61608-BLK1
40	38		BH61608-BS1
41	3	QC	CCV
42	1	QC	ICCB
43	39	✓	BH61608-BSD1
44	40		0608251-01TCLP
45	41		0608251-03TCLP
46	42	✓	BH61608-DUP1
47	43	✓	BH61608-MS1
48	44	✓	BH61608-SD1
49	45	✓	BH61608-PDS1
50	46		BH61609-BLK1
51	47		BH61609-BS1
52	48	✓	BH61609-BSD1
53	3	QC	CCV
54	1	QC	ICCB
55	49		0608251-02TCLP
56	50	✓	BH61609-DUP1

Ag 0.005

As 0.02

Ba 0.01

Cd 0.005

Cr 0.01

Cu 0.01

Pb 0.01

Se 0.04

Analytical Sequence

Method : everythingx

Seq.	Loc.		Sample ID
57	51	✓	BH61609-MS1
58	52	✓	BH61609-SD1
59	53	✓	BH61609-PDS1
60	54		BH61408-BLK1
61	55		BH61408-BS1
62	56	✓	BH61408-BSD1
63	57		BH61408-SRM1
64	58		BH61408-SRM2
65	3		CCV
66	1		ICCB
67	59		0607425-01
68	60		0607425-02
69	61		0607425-03
70	62		0607425-04
71	63		0607425-05X10
72	64		0607425-06X10
73	65		0607425-07X10
74	66		0607425-08X10
75	67		0608272-01X10000
76	3		CCV
77	1		ICCB
78	106		ICSA
79	105		ICSAB
80	0		WASH

Analytical Sequence

Method : everythingx

Seq.	Loc.		Sample ID
1	1		Calib Blank 1
2	2		Calib Std 1
3	3		Calib Std 2
4	4		Calib Std 3
5	3		STD2
6	5		ICV
7	1		ICCB
8	6		CRI1
9	7		CRI2
10	8		CRI3
11	106		ICSA
12	105		ICSAB
13	0		wash

Align View XY Axial for analyte Mn 257.640

X-position	Y-position	Intensity
-2.0	15.0	137941.4
-1.6	15.0	222126.6
-1.2	15.0	332916.8
-0.8	15.0	467570.9
-0.4	15.0	645023.4
0.0	15.0	811130.8
0.4	15.0	931320.4
0.8	15.0	1003570.9
1.2	15.0	944876.1
1.6	15.0	817866.0
2.0	15.0	655015.2
0.8	10.0	5694.8
0.8	10.5	45048.8
0.8	11.0	77082.6
0.8	11.5	122512.9
0.8	12.0	196660.7
0.8	12.5	418424.5
0.8	13.0	553613.7
0.8	13.5	717323.1
0.8	14.0	876651.1
0.8	14.5	1013915.9
0.8	15.0	992366.9
0.8	15.5	926086.2
0.8	16.0	760606.2
0.8	16.5	495881.8
0.8	17.0	356007.2
0.8	17.5	244448.5
0.8	18.0	165634.7
0.8	18.5	109561.6
0.8	19.0	41779.9
0.8	19.5	24495.6
0.8	20.0	13709.0
0.0	14.5	821782.6
0.4	14.5	964065.0
0.8	14.5	1013521.0
1.2	14.5	966573.9
1.6	14.5	828824.4
0.8	12.5	401436.5
0.8	13.0	549075.9
0.8	13.5	711902.7
0.8	14.0	863613.2
0.8	14.5	1022512.8
0.8	15.0	991679.4
0.8	15.5	913061.0
0.8	16.0	785721.6
0.8	16.5	485846.2

8/16/2006 4:35:11 PM aligned for analyte Mn 257.640
X viewing position set to 0.8 mm having Peak intensity 1022512.8 for Axial viewing
Y viewing position set to 14.5 mm having Peak intensity 1022512.8 for Axial viewing

Analysis Begun

Start Time: 8/16/2006 4:36:19 PM **Plasma On Time: 8/16/2006 3:13:46 PM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer Model: Optima 3100 XL, S/N 069N8031701Autosampler Model: AS-90

Sample Information File: C:\pe\ICP2\Sample Information\00dailycal.sif
Batch ID:
Results Data Set: 081606XAD
Results Library: Q:\Metals\Results\Icp2\Results\Results.mdb

Method Loaded
Method Name: everythingx Method Last Saved: 7/20/2006 3:40:46 PM
IEC File: 011006.iec MSF File:

Method Description: Everthing

Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/16/2006 4:36:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: Calib Blank 1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.073	2204734.0	2204734.0	0.997	mg/L	16:37:50
1	Ag 328.068†	790.7	793.4	[0.00]	mg/L	16:37:55
1	Al 237.313†	-362.3	-363.5	[0.00]	mg/L	16:38:16
1	As 188.979†	-6.9	-6.9	[0.00]	mg/L	16:38:16
1	B 182.528†	-29.9	-30.0	[0.00]	mg/L	16:38:16
1	Ba 233.527†	330.1	331.2	[0.00]	mg/L	16:38:16
1	Be 313.107†	2925.3	2935.4	[0.00]	mg/L	16:37:55
1	Ca 315.886†	-495.1	-496.8	[0.00]	mg/L	16:37:55
1	Cd 228.802†	626.5	628.6	[0.00]	mg/L	16:38:16
1	Co 228.616†	-128.3	-128.8	[0.00]	mg/L	16:38:16
1	Cr 267.716†	1768.6	1774.7	[0.00]	mg/L	16:37:55
1	Cu 324.752†	1815.1	1821.4	[0.00]	mg/L	16:37:55
1	Fe 238.204†	624.0	626.2	[0.00]	mg/L	16:38:16
1	Fe 234.349†	581.0	583.0	[0.00]	mg/L	16:38:16
1	Mg 279.077†	-1345.5	-1350.1	[0.00]	mg/L	16:37:55
1	Mn 257.610†	1259.8	1264.2	[0.00]	mg/L	16:37:55
1	Mo 202.031†	94.7	95.0	[0.00]	mg/L	16:38:16
1	Na 330.237†	2315.9	2323.9	[0.00]	mg/L	16:37:55
1	Ni 231.604†	175.1	175.7	[0.00]	mg/L	16:38:16
1	Pb 220.353†	28.9	29.0	[0.00]	mg/L	16:38:16
1	Sb 206.836†	44.3	44.5	[0.00]	mg/L	16:38:16
1	Se 196.026†	-15.1	-15.2	[0.00]	mg/L	16:38:16
1	Sn 189.927†	105.6	106.0	[0.00]	mg/L	16:38:16
1	Ti 337.279†	-287.9	-288.9	[0.00]	mg/L	16:37:55
1	Tl 190.801†	-27.9	-28.0	[0.00]	mg/L	16:38:16
1	V 292.402†	3004.8	3015.2	[0.00]	mg/L	16:37:55
1	Zn 213.857†	1046.0	1049.6	[0.00]	mg/L	16:38:16
2	Y 360.073	2219967.4	2219967.4	1.00	mg/L	16:38:21
2	Ag 328.068†	721.5	719.0	[0.00]	mg/L	16:38:27
2	Al 237.313†	-342.9	-341.7	[0.00]	mg/L	16:38:47
2	As 188.979†	-7.5	-7.5	[0.00]	mg/L	16:38:47
2	B 182.528†	-35.2	-35.1	[0.00]	mg/L	16:38:47
2	Ba 233.527†	337.8	336.6	[0.00]	mg/L	16:38:47
2	Be 313.107†	2878.7	2868.9	[0.00]	mg/L	16:38:27
2	Ca 315.886†	-570.7	-568.7	[0.00]	mg/L	16:38:27
2	Cd 228.802†	623.8	621.7	[0.00]	mg/L	16:38:47
2	Co 228.616†	-121.1	-120.7	[0.00]	mg/L	16:38:47
2	Cr 267.716†	1753.6	1747.5	[0.00]	mg/L	16:38:27
2	Cu 324.752†	1839.3	1833.0	[0.00]	mg/L	16:38:27
2	Fe 238.204†	593.6	591.6	[0.00]	mg/L	16:38:47
2	Fe 234.349†	558.3	556.4	[0.00]	mg/L	16:38:47
2	Mg 279.077†	-1415.2	-1410.3	[0.00]	mg/L	16:38:27
2	Mn 257.610†	1272.0	1267.6	[0.00]	mg/L	16:38:27
2	Mo 202.031†	96.5	96.1	[0.00]	mg/L	16:38:47
2	Na 330.237†	2356.3	2348.2	[0.00]	mg/L	16:38:27
2	Ni 231.604†	171.8	171.2	[0.00]	mg/L	16:38:47
2	Pb 220.353†	37.3	37.2	[0.00]	mg/L	16:38:47
2	Sb 206.836†	46.1	46.0	[0.00]	mg/L	16:38:47
2	Se 196.026†	-19.9	-19.8	[0.00]	mg/L	16:38:47
2	Sn 189.927†	100.3	100.0	[0.00]	mg/L	16:38:47
2	Ti 337.279†	-362.3	-361.1	[0.00]	mg/L	16:38:27
2	Tl 190.801†	-25.9	-25.8	[0.00]	mg/L	16:38:47
2	V 292.402†	2997.7	2987.4	[0.00]	mg/L	16:38:27
2	Zn 213.857†	1049.0	1045.4	[0.00]	mg/L	16:38:47

Mean Data: Calib Blank 1

	Mean Corrected	Calib

Analyte	Intensity	Std.Dev.	RSD	Conc.	Units
Y 360.073	2212350.7	10771.67	0.49%	1.00	mg/L
Ag 328.068†	756.2	52.64	6.96%	[0.00]	mg/L
Al 237.313†	-352.6	15.44	4.38%	[0.00]	mg/L
As 188.979†	-7.2	0.36	5.05%	[0.00]	mg/L
B 182.528†	-32.5	3.56	10.93%	[0.00]	mg/L
Ba 233.527†	333.9	3.83	1.15%	[0.00]	mg/L
Be 313.107†	2902.1	47.04	1.62%	[0.00]	mg/L
Ca 315.886†	-532.8	50.87	9.55%	[0.00]	mg/L
Cd 228.802†	625.2	4.94	0.79%	[0.00]	mg/L
Co 228.616†	-124.7	5.73	4.59%	[0.00]	mg/L
Cr 267.716†	1761.1	19.18	1.09%	[0.00]	mg/L
Cu 324.752†	1827.2	8.20	0.45%	[0.00]	mg/L
Fe 238.204†	608.9	24.43	4.01%	[0.00]	mg/L
Fe 234.349†	569.7	18.78	3.30%	[0.00]	mg/L
Mg 279.077†	-1380.2	42.56	3.08%	[0.00]	mg/L
Mn 257.610†	1265.9	2.44	0.19%	[0.00]	mg/L
Mo 202.031†	95.6	0.82	0.86%	[0.00]	mg/L
Na 330.237†	2336.1	17.17	0.73%	[0.00]	mg/L
Ni 231.604†	173.5	3.20	1.84%	[0.00]	mg/L
Pb 220.353†	33.1	5.81	17.56%	[0.00]	mg/L
Sb 206.836†	45.2	1.08	2.39%	[0.00]	mg/L
Se 196.026†	-17.5	3.28	18.74%	[0.00]	mg/L
Sn 189.927†	103.0	4.26	4.13%	[0.00]	mg/L
Ti 337.279†	-325.0	51.04	15.70%	[0.00]	mg/L
Tl 190.801†	-26.9	1.52	5.65%	[0.00]	mg/L
V 292.402†	3001.3	19.61	0.65%	[0.00]	mg/L
Zn 213.857†	1047.5	2.98	0.28%	[0.00]	mg/L

Sequence No.: 2 **Autosampler Location: 2**
Sample ID: Calib Std 1 **Date Collected: 8/16/2006 4:40:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: Calib Std 1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.073	2202500.5	2202500.5	0.996	mg/L	16:41:55
1	Ag 328.068†	15056.4	14367.6	[0.0500]	mg/L	16:42:01
1	Al 237.313†	3492.5	3860.7	[0.5]	mg/L	16:42:01
1	As 188.979†	55.2	62.7	[0.1000]	mg/L	16:42:21
1	B 182.528†	74.0	106.9	[0.1000]	mg/L	16:42:21
1	Ba 233.527†	18907.5	18658.1	[0.1000]	mg/L	16:42:01
1	Be 313.107†	53883.4	51222.3	[0.0100]	mg/L	16:41:55
1	Ca 315.886†	135284.3	136422.2	[1.0000]	mg/L	16:41:55
1	Cd 228.802†	4600.6	3996.1	[0.0500]	mg/L	16:42:01
1	Co 228.616†	6815.1	6970.3	[0.1000]	mg/L	16:42:01
1	Cr 267.716†	15209.5	13516.4	[0.1000]	mg/L	16:42:01
1	Cu 324.752†	24168.8	22449.6	[0.1000]	mg/L	16:42:01
1	Fe 238.204†	63965.8	63643.0	[0.5]	mg/L	16:42:01
1	Fe 234.349†	18921.9	18436.8	[0.5]	mg/L	16:42:01
1	Mg 279.077†	19153.6	20619.5	[1.0000]	mg/L	16:42:01
1	Mn 257.610†	103028.6	102223.5	[0.1000]	mg/L	16:42:01
1	Mo 202.031†	1240.6	1150.6	[0.1000]	mg/L	16:42:21
1	Na 330.237†	5554.5	3243.3	[5.0000]	mg/L	16:42:01
1	Ni 231.604†	5399.5	5250.2	[0.1000]	mg/L	16:42:01
1	Pb 220.353†	976.9	948.1	[0.1000]	mg/L	16:42:21
1	Sb 206.836†	406.7	363.3	[0.1000]	mg/L	16:42:21
1	Se 196.026†	113.2	131.2	[0.2000]	mg/L	16:42:21
1	Sn 189.927†	416.4	315.3	[0.1000]	mg/L	16:42:21
1	Ti 337.279†	58782.6	59370.5	[0.1000]	mg/L	16:42:01
1	Tl 190.801†	68.9	96.1	[0.1000]	mg/L	16:42:21
1	V 292.402†	23932.3	21038.1	[0.1000]	mg/L	16:42:01
1	Zn 213.857†	10192.0	9190.1	[0.1000]	mg/L	16:42:01
2	Y 360.073	2225263.6	2225263.6	1.01	mg/L	16:42:27
2	Ag 328.068†	15033.2	14189.7	[0.0500]	mg/L	16:42:32
2	Al 237.313†	3459.6	3792.2	[0.5]	mg/L	16:42:32
2	As 188.979†	58.5	65.4	[0.1000]	mg/L	16:42:53

2	B 182.528†	69.2	101.4	[0.1000] mg/L	16:42:53
2	Ba 233.527†	19004.8	18560.6	[0.1000] mg/L	16:42:32
2	Be 313.107†	54377.0	51159.3	[0.0100] mg/L	16:42:27
2	Ca 315.886†	136590.9	136331.1	[1.0000] mg/L	16:42:27
2	Cd 228.802†	4672.2	4019.9	[0.0500] mg/L	16:42:32
2	Co 228.616†	6819.5	6904.6	[0.1000] mg/L	16:42:32
2	Cr 267.716†	15194.0	13344.7	[0.1000] mg/L	16:42:32
2	Cu 324.752†	24195.9	22228.3	[0.1000] mg/L	16:42:32
2	Fe 238.204†	64398.5	63415.9	[0.5] mg/L	16:42:32
2	Fe 234.349†	18958.4	18278.7	[0.5] mg/L	16:42:32
2	Mg 279.077†	19217.2	20485.9	[1.0000] mg/L	16:42:32
2	Mn 257.610†	103620.3	101753.1	[0.1000] mg/L	16:42:32
2	Mo 202.031†	1235.7	1132.9	[0.1000] mg/L	16:42:53
2	Na 330.237†	5628.2	3259.4	[5.0000] mg/L	16:42:32
2	Ni 231.604†	5432.4	5227.4	[0.1000] mg/L	16:42:32
2	Pb 220.353†	969.9	931.2	[0.1000] mg/L	16:42:53
2	Sb 206.836†	388.6	341.1	[0.1000] mg/L	16:42:53
2	Se 196.026†	109.2	126.1	[0.2000] mg/L	16:42:53
2	Sn 189.927†	396.9	291.6	[0.1000] mg/L	16:42:53
2	Ti 337.279†	58835.7	58819.2	[0.1000] mg/L	16:42:32
2	Tl 190.801†	68.8	95.3	[0.1000] mg/L	16:42:53
2	V 292.402†	24076.6	20935.6	[0.1000] mg/L	16:42:32
2	Zn 213.857†	10216.6	9109.8	[0.1000] mg/L	16:42:32

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Calib Units
Y 360.073	2213882.0	16095.96	0.73%	1.00	mg/L
Ag 328.068†	14278.6	125.75	0.88%	[0.0500]	mg/L
Al 237.313†	3826.4	48.46	1.27%	[0.5]	mg/L
As 188.979†	64.0	1.92	3.00%	[0.1000]	mg/L
B 182.528†	104.1	3.88	3.73%	[0.1000]	mg/L
Ba 233.527†	18609.4	68.97	0.37%	[0.1000]	mg/L
Be 313.107†	51190.8	44.53	0.09%	[0.0100]	mg/L
Ca 315.886†	136376.6	64.38	0.05%	[1.0000]	mg/L
Cd 228.802†	4008.0	16.86	0.42%	[0.0500]	mg/L
Co 228.616†	6937.5	46.46	0.67%	[0.1000]	mg/L
Cr 267.716†	13430.5	121.40	0.90%	[0.1000]	mg/L
Cu 324.752†	22338.9	156.54	0.70%	[0.1000]	mg/L
Fe 238.204†	63529.5	160.55	0.25%	[0.5]	mg/L
Fe 234.349†	18357.8	111.82	0.61%	[0.5]	mg/L
Mg 279.077†	20552.7	94.48	0.46%	[1.0000]	mg/L
Mn 257.610†	101988.3	332.62	0.33%	[0.1000]	mg/L
Mo 202.031†	1141.8	12.49	1.09%	[0.1000]	mg/L
Na 330.237†	3251.4	11.41	0.35%	[5.0000]	mg/L
Ni 231.604†	5238.8	16.13	0.31%	[0.1000]	mg/L
Pb 220.353†	939.7	11.99	1.28%	[0.1000]	mg/L
Sb 206.836†	352.2	15.65	4.44%	[0.1000]	mg/L
Se 196.026†	128.6	3.62	2.81%	[0.2000]	mg/L
Sn 189.927†	303.5	16.75	5.52%	[0.1000]	mg/L
Ti 337.279†	59094.9	389.80	0.66%	[0.1000]	mg/L
Tl 190.801†	95.7	0.54	0.56%	[0.1000]	mg/L
V 292.402†	20986.8	72.46	0.35%	[0.1000]	mg/L
Zn 213.857†	9150.0	56.79	0.62%	[0.1000]	mg/L

==========

Sequence No.: 3
Sample ID: Calib Std 2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 8/16/2006 4:44:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: Calib Std 2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Analysis Time
1	Y 360.073	2245917.7	2245917.7	1.02	mg/L	16:46:03
1	Ag 328.068†	73106.6	71257.7	[0.2500]	mg/L	16:46:09
1	Al 237.313†	19063.1	19130.8	[2.5]	mg/L	16:46:09
1	As 188.979†	307.2	309.8	[0.5000]	mg/L	16:46:29

1	B 182.528†	499.9	524.9	[0.5000] mg/L	16:46:29
1	Ba 233.527†	92907.0	91184.5	[0.5000] mg/L	16:46:09
1	Be 313.107†	261556.7	254745.4	[0.0500] mg/L	16:46:03
1	Ca 315.886†	684145.4	674453.1	[5.0000] mg/L	16:46:03
1	Cd 228.802†	20595.9	19663.0	[0.2500] mg/L	16:46:09
1	Co 228.616†	34365.9	33977.0	[0.5000] mg/L	16:46:09
1	Cr 267.716†	69481.3	66681.7	[0.5000] mg/L	16:46:09
1	Cu 324.752†	114734.9	111192.9	[0.5000] mg/L	16:46:09
1	Fe 238.204†	318584.2	313213.8	[2.5] mg/L	16:46:09
1	Fe 234.349†	92158.9	90211.8	[2.5] mg/L	16:46:09
1	Mg 279.077†	101953.6	101810.0	[5.0000] mg/L	16:46:09
1	Mn 257.610†	514898.3	505936.8	[0.5000] mg/L	16:46:03
1	Mo 202.031†	5826.1	5643.5	[0.5000] mg/L	16:46:29
1	Na 330.237†	20376.1	17735.4	[25.0000] mg/L	16:46:09
1	Ni 231.604†	26580.2	26009.5	[0.5000] mg/L	16:46:09
1	Pb 220.353†	4686.8	4583.7	[0.5000] mg/L	16:46:29
1	Sb 206.836†	1836.2	1763.5	[0.5000] mg/L	16:46:29
1	Se 196.026†	642.3	650.2	[1.0000] mg/L	16:46:29
1	Sn 189.927†	1527.6	1401.8	[0.5000] mg/L	16:46:29
1	Ti 337.279†	298694.9	294555.7	[0.5000] mg/L	16:46:03
1	Tl 190.801†	569.1	587.5	[0.5000] mg/L	16:46:29
1	V 292.402†	108589.5	103965.3	[0.5000] mg/L	16:46:09
1	Zn 213.857†	46439.3	44697.8	[0.5000] mg/L	16:46:09
2	Y 360.073	2241093.1	2241093.1	1.01 mg/L	16:46:36
2	Ag 328.068†	73903.2	72199.2	[0.2500] mg/L	16:46:41
2	Al 237.313†	19160.5	19267.4	[2.5] mg/L	16:46:41
2	As 188.979†	308.7	311.9	[0.5000] mg/L	16:47:01
2	B 182.528†	499.4	525.5	[0.5000] mg/L	16:47:01
2	Ba 233.527†	93480.1	91947.3	[0.5000] mg/L	16:46:41
2	Be 313.107†	264311.4	258019.4	[0.0500] mg/L	16:46:36
2	Ca 315.886†	691802.6	683462.9	[5.0000] mg/L	16:46:36
2	Cd 228.802†	20747.0	19855.8	[0.2500] mg/L	16:46:41
2	Co 228.616†	34601.7	34282.7	[0.5000] mg/L	16:46:41
2	Cr 267.716†	69613.9	66960.0	[0.5000] mg/L	16:46:41
2	Cu 324.752†	115904.0	112590.4	[0.5000] mg/L	16:46:41
2	Fe 238.204†	320256.9	315540.7	[2.5] mg/L	16:46:41
2	Fe 234.349†	92758.1	90998.8	[2.5] mg/L	16:46:41
2	Mg 279.077†	102535.7	102600.9	[5.0000] mg/L	16:46:41
2	Mn 257.610†	520487.9	512546.6	[0.5000] mg/L	16:46:36
2	Mo 202.031†	5821.6	5651.4	[0.5000] mg/L	16:47:01
2	Na 330.237†	20608.8	18008.4	[25.0000] mg/L	16:46:41
2	Ni 231.604†	26637.7	26122.6	[0.5000] mg/L	16:46:41
2	Pb 220.353†	4671.1	4578.1	[0.5000] mg/L	16:47:01
2	Sb 206.836†	1809.2	1740.8	[0.5000] mg/L	16:47:01
2	Se 196.026†	639.8	649.1	[1.0000] mg/L	16:47:01
2	Sn 189.927†	1493.0	1370.9	[0.5000] mg/L	16:47:01
2	Ti 337.279†	301839.7	298293.5	[0.5000] mg/L	16:46:36
2	Tl 190.801†	574.1	593.6	[0.5000] mg/L	16:47:01
2	V 292.402†	109257.1	104854.6	[0.5000] mg/L	16:46:41
2	Zn 213.857†	46686.8	45040.5	[0.5000] mg/L	16:46:41

Mean Data: Calib Std 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	2243505.4	3411.53	0.15%	1.01	mg/L
Ag 328.068†	71728.5	665.71	0.93%	[0.2500]	mg/L
Al 237.313†	19199.1	96.58	0.50%	[2.5]	mg/L
As 188.979†	310.9	1.51	0.49%	[0.5000]	mg/L
B 182.528†	525.2	0.42	0.08%	[0.5000]	mg/L
Ba 233.527†	91565.9	539.40	0.59%	[0.5000]	mg/L
Be 313.107†	256382.4	2315.11	0.90%	[0.0500]	mg/L
Ca 315.886†	678958.0	6370.89	0.94%	[5.0000]	mg/L
Cd 228.802†	19759.4	136.34	0.69%	[0.2500]	mg/L
Co 228.616†	34129.8	216.14	0.63%	[0.5000]	mg/L
Cr 267.716†	66820.8	196.76	0.29%	[0.5000]	mg/L
Cu 324.752†	111891.6	988.17	0.88%	[0.5000]	mg/L
Fe 238.204†	314377.3	1645.38	0.52%	[2.5]	mg/L
Fe 234.349†	90605.3	556.51	0.61%	[2.5]	mg/L
Mg 279.077†	102205.5	559.26	0.55%	[5.0000]	mg/L
Mn 257.610†	509241.7	4673.85	0.92%	[0.5000]	mg/L

Mo 202.031†	5647.4	5.57	0.10%	[0.5000]	mg/L
Na 330.237†	17871.9	193.03	1.08%	[25.0000]	mg/L
Ni 231.604†	26066.0	79.96	0.31%	[0.5000]	mg/L
Pb 220.353†	4580.9	3.94	0.09%	[0.5000]	mg/L
Sb 206.836†	1752.2	16.08	0.92%	[0.5000]	mg/L
Se 196.026†	649.6	0.81	0.12%	[1.0000]	mg/L
Sn 189.927†	1386.3	21.83	1.57%	[0.5000]	mg/L
Ti 337.279†	296424.6	2643.06	0.89%	[0.5000]	mg/L
Tl 190.801†	590.6	4.34	0.74%	[0.5000]	mg/L
V 292.402†	104410.0	628.85	0.60%	[0.5000]	mg/L
Zn 213.857†	44869.2	242.37	0.54%	[0.5000]	mg/L

Sequence No.: 4
Sample ID: Calib Std 3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 8/16/2006 4:48:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: Calib Std 3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.073	2202235.1	2202235.1	0.995	mg/L	16:50:17
1	Ag 328.068†	145098.1	145008.3	[0.5000]	mg/L	16:50:17
1	Al 237.313†	38272.0	38800.4	[5]	mg/L	16:50:17
1	As 188.979†	621.6	631.7	[1.0000]	mg/L	16:50:37
1	B 182.528†	1024.3	1061.5	[1.0000]	mg/L	16:50:37
1	Ba 233.527†	183767.3	184277.5	[1.0000]	mg/L	16:50:17
1	Be 313.107†	511123.4	510569.0	[0.1000]	mg/L	16:50:17
1	Ca 315.886†	1338698.6	1345380.5	[10.0000]	mg/L	16:50:17
1	Cd 228.802†	40100.4	39659.4	[0.5000]	mg/L	16:50:17
1	Co 228.616†	67614.4	68049.7	[1.0000]	mg/L	16:50:17
1	Cr 267.716†	134813.5	133671.7	[1.0000]	mg/L	16:50:17
1	Cu 324.752†	229398.1	228624.6	[1.0000]	mg/L	16:50:17
1	Fe 238.204†	626998.6	629269.8	[5]	mg/L	16:50:17
1	Fe 234.349†	182090.9	182357.6	[5]	mg/L	16:50:17
1	Mg 279.077†	203141.7	205455.0	[10.0000]	mg/L	16:50:17
1	Mn 257.610†	1000700.6	1004031.3	[1.0000]	mg/L	16:50:17
1	Mo 202.031†	11530.3	11487.7	[1.0000]	mg/L	16:50:37
1	Na 330.237†	40538.3	38388.5	[50.0000]	mg/L	16:50:17
1	Ni 231.604†	51971.0	52036.3	[1.0000]	mg/L	16:50:17
1	Pb 220.353†	9253.9	9263.4	[1.0000]	mg/L	16:50:37
1	Sb 206.836†	3602.9	3574.2	[1.0000]	mg/L	16:50:37
1	Se 196.026†	1285.8	1309.2	[2.0000]	mg/L	16:50:37
1	Sn 189.927†	2844.1	2754.2	[1.0000]	mg/L	16:50:37
1	Ti 337.279†	585268.6	588281.9	[1.0000]	mg/L	16:50:17
1	Tl 190.801†	1158.8	1191.0	[1.0000]	mg/L	16:50:37
1	V 292.402†	211916.6	209888.7	[1.0000]	mg/L	16:50:17
1	Zn 213.857†	90346.1	89713.6	[1.0000]	mg/L	16:50:17
2	Y 360.073	2187101.1	2187101.1	0.989	mg/L	16:50:47
2	Ag 328.068†	144473.7	145385.4	[0.5000]	mg/L	16:50:47
2	Al 237.313†	38069.2	38861.3	[5]	mg/L	16:50:47
2	As 188.979†	630.3	644.8	[1.0000]	mg/L	16:51:08
2	B 182.528†	1041.3	1085.9	[1.0000]	mg/L	16:51:08
2	Ba 233.527†	183095.4	184875.2	[1.0000]	mg/L	16:50:47
2	Be 313.107†	509447.0	512426.4	[0.1000]	mg/L	16:50:47
2	Ca 315.886†	1335830.6	1351785.2	[10.0000]	mg/L	16:50:47
2	Cd 228.802†	39900.2	39735.7	[0.5000]	mg/L	16:50:47
2	Co 228.616†	67363.2	68265.6	[1.0000]	mg/L	16:50:47
2	Cr 267.716†	134455.9	134247.1	[1.0000]	mg/L	16:50:47
2	Cu 324.752†	228416.0	229225.8	[1.0000]	mg/L	16:50:47
2	Fe 238.204†	625839.1	632455.4	[5]	mg/L	16:50:47
2	Fe 234.349†	181653.6	183181.1	[5]	mg/L	16:50:47
2	Mg 279.077†	202666.6	206386.6	[10.0000]	mg/L	16:50:47
2	Mn 257.610†	997640.6	1007892.2	[1.0000]	mg/L	16:50:47
2	Mo 202.031†	11530.3	11567.8	[1.0000]	mg/L	16:51:08
2	Na 330.237†	40221.8	38350.1	[50.0000]	mg/L	16:50:47
2	Ni 231.604†	51692.9	52116.2	[1.0000]	mg/L	16:50:47
2	Pb 220.353†	9209.5	9282.8	[1.0000]	mg/L	16:51:08
2	Sb 206.836†	3589.4	3585.6	[1.0000]	mg/L	16:51:08

2	Se 196.026†	1291.8	1324.2	[2.0000] mg/L	16:51:08
2	Sn 189.927†	2848.7	2778.6	[1.0000] mg/L	16:51:08
2	Ti 337.279†	582570.9	589621.5	[1.0000] mg/L	16:50:47
2	Tl 190.801†	1163.4	1203.7	[1.0000] mg/L	16:51:08
2	V 292.402†	211429.4	210869.0	[1.0000] mg/L	16:50:47
2	Zn 213.857†	90033.8	90025.8	[1.0000] mg/L	16:50:47

Mean Data: Calib Std 3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	2194668.1	10701.32	0.49%	0.992	mg/L
Ag 328.068†	145196.9	266.62	0.18%	[0.5000]	mg/L
Al 237.313†	38830.9	43.09	0.11%	[5]	mg/L
As 188.979†	638.2	9.31	1.46%	[1.0000]	mg/L
B 182.528†	1073.7	17.22	1.60%	[1.0000]	mg/L
Ba 233.527†	184576.3	422.70	0.23%	[1.0000]	mg/L
Be 313.107†	511497.7	1313.35	0.26%	[0.1000]	mg/L
Ca 315.886†	1348582.8	4528.82	0.34%	[10.0000]	mg/L
Cd 228.802†	39697.6	53.97	0.14%	[0.5000]	mg/L
Co 228.616†	68157.7	152.69	0.22%	[1.0000]	mg/L
Cr 267.716†	133959.4	406.86	0.30%	[1.0000]	mg/L
Cu 324.752†	228925.2	425.16	0.19%	[1.0000]	mg/L
Fe 238.204†	630862.6	2252.57	0.36%	[5]	mg/L
Fe 234.349†	182769.4	582.27	0.32%	[5]	mg/L
Mg 279.077†	205920.8	658.73	0.32%	[10.0000]	mg/L
Mn 257.610†	1005961.7	2730.05	0.27%	[1.0000]	mg/L
Mo 202.031†	11527.8	56.65	0.49%	[1.0000]	mg/L
Na 330.237†	38369.3	27.13	0.07%	[50.0000]	mg/L
Ni 231.604†	52076.3	56.51	0.11%	[1.0000]	mg/L
Pb 220.353†	9273.1	13.71	0.15%	[1.0000]	mg/L
Sb 206.836†	3579.9	8.06	0.23%	[1.0000]	mg/L
Se 196.026†	1316.7	10.58	0.80%	[2.0000]	mg/L
Sn 189.927†	2766.4	17.28	0.62%	[1.0000]	mg/L
Ti 337.279†	588951.7	947.23	0.16%	[1.0000]	mg/L
Tl 190.801†	1197.4	9.01	0.75%	[1.0000]	mg/L
V 292.402†	210378.8	693.20	0.33%	[1.0000]	mg/L
Zn 213.857†	89869.7	220.74	0.25%	[1.0000]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin, Calc Int	-268.3	290300	0.00000	0.999981	
Al 237.313	3	Lin, Calc Int	-65.3	7765	0.00000	0.999983	
As 188.979	3	Lin, Calc Int	-1.4	636.8	0.00000	0.999900	
B 182.528	3	Lin, Calc Int	-3.6	1073	0.00000	0.999937	
Ba 233.527	3	Lin, Calc Int	-66.7	184400	0.00000	0.999990	
Be 313.107	3	Lin, Calc Int	135.7	5116000	0.00000	0.999999	
Ca 315.886	3	Lin, Calc Int	1539.0	134900	0.00000	0.999994	
Cd 228.802	3	Lin, Calc Int	0.4	79330	0.00000	0.999996	
Co 228.616	3	Lin, Calc Int	63.4	68110	0.00000	0.999999	
Cr 267.716	3	Lin, Calc Int	-14.1	133900	0.00000	0.999999	
Cu 324.752	3	Lin, Calc Int	-722.4	228800	0.00000	0.999931	
Fe 238.204	3	Lin, Calc Int	1.1	126100	0.00000	0.999998	
Fe 234.349	3	Lin, Calc Int	-108.7	36520	0.00000	0.999989	
Mg 279.077	3	Lin, Calc Int	-157.5	20580	0.00000	0.999992	
Mn 257.610	3	Lin, Calc Int	1778.8	1006000	0.00000	0.999979	
Mo 202.031	3	Lin, Calc Int	-26.5	11510	0.00000	0.999942	
Na 330.237	3	Lin, Calc Int	-503.2	768.8	0.00000	0.999366	
Ni 231.604	3	Lin, Calc Int	19.0	52070	0.00000	1.000000	
Pb 220.353	3	Lin, Calc Int	-4.8	9258	0.00000	0.999975	
Sb 206.836	3	Lin, Calc Int	-9.6	3577	0.00000	0.999938	
Se 196.026	3	Lin, Calc Int	-3.0	658.4	0.00000	0.999976	
Sn 189.927	3	Lin, Calc Int	12.5	2754	0.00000	0.999957	
Ti 337.279	3	Lin, Calc Int	450.0	589200	0.00000	0.999994	
Tl 190.801	3	Lin, Calc Int	-12.2	1208	0.00000	0.999823	
V 292.402	3	Lin, Calc Int	-167.2	210300	0.00000	0.999992	
Zn 213.857	3	Lin, Calc Int	60.1	89780	0.00000	0.999998	

Sequence No.: 5
Sample ID: STD2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 8/16/2006 4:52:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: STD2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2227994.2	2227994.2	1.01	mg/L			16:54:19
1	Ag 328.068†	73344.1	72072.9	0.2493	mg/L	0.2493	mg/L	16:54:25
1	Al 237.313†	19040.6	19259.6	2.468	mg/L	2.468	mg/L	16:54:25
1	As 188.979†	315.2	320.2	0.5066	mg/L	0.5066	mg/L	16:54:45
1	B 182.528†	511.8	540.8	0.5072	mg/L	0.5072	mg/L	16:54:45
1	Ba 233.527†	92828.8	91843.1	0.4981	mg/L	0.4981	mg/L	16:54:25
1	Be 313.107†	262437.4	257692.6	0.0504	mg/L	0.0504	mg/L	16:54:19
1	Ca 315.886†	687227.6	682935.1	5.053	mg/L	5.053	mg/L	16:54:19
1	Cd 228.802†	20603.9	19834.1	0.2478	mg/L	0.2478	mg/L	16:54:25
1	Co 228.616†	34250.9	34135.1	0.4988	mg/L	0.4988	mg/L	16:54:25
1	Cr 267.716†	69237.9	66990.7	0.5004	mg/L	0.5004	mg/L	16:54:25
1	Cu 324.752†	114974.1	112339.7	0.4944	mg/L	0.4944	mg/L	16:54:25
1	Fe 238.204†	317669.2	314829.9	2.498	mg/L	2.498	mg/L	16:54:25
1	Fe 234.349†	91982.8	90767.3	2.484	mg/L	2.484	mg/L	16:54:25
1	Mg 279.077†	101733.8	102399.8	4.980	mg/L	4.980	mg/L	16:54:25
1	Mn 257.610†	516576.5	511683.5	0.5068	mg/L	0.5068	mg/L	16:54:19
1	Mo 202.031†	5874.1	5737.3	0.5011	mg/L	0.5011	mg/L	16:54:45
1	Na 330.237†	20536.7	18056.4	24.13	mg/L	24.13	mg/L	16:54:25
1	Ni 231.604†	26525.1	26165.3	0.5018	mg/L	0.5018	mg/L	16:54:25
1	Pb 220.353†	4695.6	4629.6	0.5028	mg/L	0.5028	mg/L	16:54:45
1	Sb 206.836†	1833.6	1775.5	0.4924	mg/L	0.4924	mg/L	16:54:45
1	Se 196.026†	644.0	657.0	1.002	mg/L	1.002	mg/L	16:54:45
1	Sn 189.927†	1505.5	1391.9	0.5021	mg/L	0.5021	mg/L	16:54:45
1	Ti 337.279†	299841.1	298060.8	0.5051	mg/L	0.5051	mg/L	16:54:19
1	Tl 190.801†	590.0	612.7	0.5174	mg/L	0.5174	mg/L	16:54:45
1	V 292.402†	108678.6	104914.2	0.5030	mg/L	0.5030	mg/L	16:54:25
1	Zn 213.857†	46464.3	45090.6	0.4984	mg/L	0.4984	mg/L	16:54:25
2	Y 360.073	2220798.5	2220798.5	1.00	mg/L			16:54:52
2	Ag 328.068†	73332.4	72297.2	0.2500	mg/L	0.2500	mg/L	16:54:57
2	Al 237.313†	19045.4	19325.5	2.476	mg/L	2.476	mg/L	16:54:57
2	As 188.979†	314.4	320.4	0.5069	mg/L	0.5069	mg/L	16:55:18
2	B 182.528†	521.9	552.4	0.5180	mg/L	0.5180	mg/L	16:55:18
2	Ba 233.527†	92897.4	92210.1	0.5001	mg/L	0.5001	mg/L	16:54:57
2	Be 313.107†	261159.7	257264.1	0.0503	mg/L	0.0503	mg/L	16:54:52
2	Ca 315.886†	683019.2	680953.8	5.038	mg/L	5.038	mg/L	16:54:52
2	Cd 228.802†	20614.0	19910.4	0.2488	mg/L	0.2488	mg/L	16:54:57
2	Co 228.616†	34253.8	34248.2	0.5005	mg/L	0.5005	mg/L	16:54:57
2	Cr 267.716†	69169.9	67145.6	0.5016	mg/L	0.5016	mg/L	16:54:57
2	Cu 324.752†	114554.4	112291.4	0.4942	mg/L	0.4942	mg/L	16:54:57
2	Fe 238.204†	317627.0	315809.9	2.505	mg/L	2.505	mg/L	16:54:57
2	Fe 234.349†	91945.4	91025.9	2.491	mg/L	2.491	mg/L	16:54:57
2	Mg 279.077†	101675.4	102668.9	4.993	mg/L	4.993	mg/L	16:54:57
2	Mn 257.610†	514557.3	511334.1	0.5065	mg/L	0.5065	mg/L	16:54:52
2	Mo 202.031†	5900.1	5782.1	0.5050	mg/L	0.5050	mg/L	16:55:18
2	Na 330.237†	20454.6	18040.7	24.11	mg/L	24.11	mg/L	16:54:57
2	Ni 231.604†	26532.5	26258.1	0.5036	mg/L	0.5036	mg/L	16:54:57
2	Pb 220.353†	4705.3	4654.3	0.5055	mg/L	0.5055	mg/L	16:55:18
2	Sb 206.836†	1838.3	1786.1	0.4953	mg/L	0.4953	mg/L	16:55:18
2	Se 196.026†	644.6	659.6	1.006	mg/L	1.006	mg/L	16:55:18
2	Sn 189.927†	1514.3	1405.6	0.5070	mg/L	0.5070	mg/L	16:55:18
2	Ti 337.279†	298886.5	298074.6	0.5052	mg/L	0.5052	mg/L	16:54:52
2	Tl 190.801†	583.9	608.5	0.5139	mg/L	0.5139	mg/L	16:55:18
2	V 292.402†	108443.6	105029.8	0.5036	mg/L	0.5036	mg/L	16:54:57
2	Zn 213.857†	46383.5	45159.6	0.4992	mg/L	0.4992	mg/L	16:54:57

Mean Data: STD2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2224396.4	1.01	mg/L	0.002				0.23%
Ag 328.068†	72185.1	0.2496	mg/L	0.00055	0.2496	mg/L	0.00055	0.22%

QC value within limits for Ag 328.068 Recovery = 99.86%

Al 237.313†	19292.5	2.472 mg/L	0.0060	2.472 mg/L	0.0060	0.24%

QC value within limits for Al 237.313 Recovery = 98.88%

As 188.979†	320.3	0.5068 mg/L	0.00022	0.5068 mg/L	0.00022	0.04%

QC value within limits for As 188.979 Recovery = 101.35%

B 182.528†	546.6	0.5126 mg/L	0.00765	0.5126 mg/L	0.00765	1.49%

QC value within limits for B 182.528 Recovery = 102.51%

Ba 233.527†	92026.6	0.4991 mg/L	0.00141	0.4991 mg/L	0.00141	0.28%

QC value within limits for Ba 233.527 Recovery = 99.82%

Be 313.107†	257478.3	0.0503 mg/L	0.00006	0.0503 mg/L	0.00006	0.12%

QC value within limits for Be 313.107 Recovery = 100.66%

Ca 315.886†	681944.5	5.046 mg/L	0.0104	5.046 mg/L	0.0104	0.21%

QC value within limits for Ca 315.886 Recovery = 100.91%

Cd 228.802†	19872.3	0.2483 mg/L	0.00068	0.2483 mg/L	0.00068	0.27%

QC value within limits for Cd 228.802 Recovery = 99.33%

Co 228.616†	34191.7	0.4996 mg/L	0.00117	0.4996 mg/L	0.00117	0.23%

QC value within limits for Co 228.616 Recovery = 99.93%

Cr 267.716†	67068.2	0.5010 mg/L	0.00082	0.5010 mg/L	0.00082	0.16%

QC value within limits for Cr 267.716 Recovery = 100.20%

Cu 324.752†	112315.5	0.4943 mg/L	0.00015	0.4943 mg/L	0.00015	0.03%

QC value within limits for Cu 324.752 Recovery = 98.86%

Fe 238.204†	315319.9	2.501 mg/L	0.0055	2.501 mg/L	0.0055	0.22%

QC value within limits for Fe 238.204 Recovery = 100.06%

Fe 234.349†	90896.6	2.487 mg/L	0.0050	2.487 mg/L	0.0050	0.20%

QC value within limits for Fe 234.349 Recovery = 99.49%

Mg 279.077†	102534.3	4.986 mg/L	0.0092	4.986 mg/L	0.0092	0.19%

QC value within limits for Mg 279.077 Recovery = 99.72%

Mn 257.610†	511508.8	0.5066 mg/L	0.00025	0.5066 mg/L	0.00025	0.05%

QC value within limits for Mn 257.610 Recovery = 101.32%

Mo 202.031†	5759.7	0.5030 mg/L	0.00275	0.5030 mg/L	0.00275	0.55%

QC value within limits for Mo 202.031 Recovery = 100.60%

Na 330.237†	18048.5	24.12 mg/L	0.014	24.12 mg/L	0.014	0.06%

QC value within limits for Na 330.237 Recovery = 96.50%

Ni 231.604†	26211.7	0.5027 mg/L	0.00126	0.5027 mg/L	0.00126	0.25%

QC value within limits for Ni 231.604 Recovery = 100.54%

Pb 220.353†	4641.9	0.5041 mg/L	0.00190	0.5041 mg/L	0.00190	0.38%

QC value within limits for Pb 220.353 Recovery = 100.83%

Sb 206.836†	1780.8	0.4939 mg/L	0.00207	0.4939 mg/L	0.00207	0.42%

QC value within limits for Sb 206.836 Recovery = 98.77%

Se 196.026†	658.3	1.004 mg/L	0.0028	1.004 mg/L	0.0028	0.28%

QC value within limits for Se 196.026 Recovery = 100.44%

Sn 189.927†	1398.7	0.5045 mg/L	0.00350	0.5045 mg/L	0.00350	0.69%

QC value within limits for Sn 189.927 Recovery = 100.91%

Ti 337.279†	298067.7	0.5051 mg/L	0.00002	0.5051 mg/L	0.00002	0.00%

QC value within limits for Ti 337.279 Recovery = 101.03%

Tl 190.801†	610.6	0.5156 mg/L	0.00247	0.5156 mg/L	0.00247	0.48%

QC value within limits for Tl 190.801 Recovery = 103.12%

V 292.402†	104972.0	0.5033 mg/L	0.00039	0.5033 mg/L	0.00039	0.08%

QC value within limits for V 292.402 Recovery = 100.66%

Zn 213.857†	45125.1	0.4988 mg/L	0.00054	0.4988 mg/L	0.00054	0.11%

QC value within limits for Zn 213.857 Recovery = 99.76%

All analyte(s) passed QC.

Sequence No.: 6
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 8/16/2006 4:56:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2230185.1	2230185.1	1.01	mg/L			16:58:30
1	Ag 328.068†	72698.2	71360.6	0.2468	mg/L	0.2468	mg/L	16:58:35
1	Al 237.313†	18675.3	18878.5	2.419	mg/L	2.419	mg/L	16:58:35
1	As 188.979†	304.2	308.9	0.4889	mg/L	0.4889	mg/L	16:58:55
1	B 182.528†	500.0	528.5	0.4957	mg/L	0.4957	mg/L	16:58:55
1	Ba 233.527†	90392.5	89335.8	0.4845	mg/L	0.4845	mg/L	16:58:35
1	Be 313.107†	262235.5	257236.3	0.0503	mg/L	0.0503	mg/L	16:58:30

1	Ca 315.886†	682584.6	677658.8	5.014 mg/L	5.014 mg/L	16:58:30
1	Cd 228.802†	20547.3	19757.8	0.2469 mg/L	0.2469 mg/L	16:58:35
1	Co 228.616†	33608.7	33464.7	0.4890 mg/L	0.4890 mg/L	16:58:35
1	Cr 267.716†	68554.5	66245.1	0.4949 mg/L	0.4949 mg/L	16:58:35
1	Cu 324.752†	112923.7	110193.4	0.4850 mg/L	0.4850 mg/L	16:58:35
1	Fe 238.204†	316951.6	313808.1	2.489 mg/L	2.489 mg/L	16:58:35
1	Fe 234.349†	91678.0	90375.1	2.473 mg/L	2.473 mg/L	16:58:35
1	Mg 279.077†	99116.8	99704.4	4.849 mg/L	4.849 mg/L	16:58:35
1	Mn 257.610†	509711.1	504369.1	0.4995 mg/L	0.4995 mg/L	16:58:30
1	Mo 202.031†	5743.2	5601.7	0.4893 mg/L	0.4893 mg/L	16:58:55
1	Na 330.237†	20023.1	17526.9	23.45 mg/L	23.45 mg/L	16:58:35
1	Ni 231.604†	26312.6	25928.7	0.4973 mg/L	0.4973 mg/L	16:58:35
1	Pb 220.353†	4557.7	4488.2	0.4875 mg/L	0.4875 mg/L	16:58:55
1	Sb 206.836†	1765.6	1706.2	0.4731 mg/L	0.4731 mg/L	16:58:55
1	Se 196.026†	632.2	644.6	0.9836 mg/L	0.9836 mg/L	16:58:55
1	Sn 189.927†	1487.9	1373.0	0.4952 mg/L	0.4952 mg/L	16:58:55
1	Ti 337.279†	292689.1	290673.5	0.4926 mg/L	0.4926 mg/L	16:58:30
1	Tl 190.801†	561.8	584.2	0.4938 mg/L	0.4938 mg/L	16:58:55
1	V 292.402†	106391.1	102539.0	0.4917 mg/L	0.4917 mg/L	16:58:35
1	Zn 213.857†	45855.1	44440.9	0.4912 mg/L	0.4912 mg/L	16:58:35
2	Y 360.073	2208532.3	2208532.3	0.998 mg/L		16:59:02
2	Ag 328.068†	73919.7	73291.2	0.2535 mg/L	0.2535 mg/L	16:59:08
2	Al 237.313†	18953.5	19338.9	2.478 mg/L	2.478 mg/L	16:59:08
2	As 188.979†	306.3	314.0	0.4968 mg/L	0.4968 mg/L	16:59:28
2	B 182.528†	498.1	531.6	0.4986 mg/L	0.4986 mg/L	16:59:28
2	Ba 233.527†	91612.1	91436.6	0.4959 mg/L	0.4959 mg/L	16:59:08
2	Be 313.107†	260328.1	257876.1	0.0504 mg/L	0.0504 mg/L	16:59:02
2	Ca 315.886†	678410.5	680116.2	5.032 mg/L	5.032 mg/L	16:59:02
2	Cd 228.802†	20809.2	20220.0	0.2527 mg/L	0.2527 mg/L	16:59:08
2	Co 228.616†	33998.2	34181.7	0.4995 mg/L	0.4995 mg/L	16:59:08
2	Cr 267.716†	69414.9	67773.8	0.5063 mg/L	0.5063 mg/L	16:59:08
2	Cu 324.752†	115089.1	113460.9	0.4993 mg/L	0.4993 mg/L	16:59:08
2	Fe 238.204†	321213.6	321160.1	2.548 mg/L	2.548 mg/L	16:59:08
2	Fe 234.349†	92946.3	92537.3	2.532 mg/L	2.532 mg/L	16:59:08
2	Mg 279.077†	100170.1	101723.5	4.947 mg/L	4.947 mg/L	16:59:08
2	Mn 257.610†	506408.9	506018.6	0.5012 mg/L	0.5012 mg/L	16:59:02
2	Mo 202.031†	5780.7	5695.2	0.4974 mg/L	0.4974 mg/L	16:59:28
2	Na 330.237†	20372.7	18071.9	24.15 mg/L	24.15 mg/L	16:59:08
2	Ni 231.604†	26654.6	26527.2	0.5088 mg/L	0.5088 mg/L	16:59:08
2	Pb 220.353†	4588.9	4563.8	0.4957 mg/L	0.4957 mg/L	16:59:28
2	Sb 206.836†	1771.0	1728.8	0.4793 mg/L	0.4793 mg/L	16:59:28
2	Se 196.026†	638.9	657.5	1.003 mg/L	1.003 mg/L	16:59:28
2	Sn 189.927†	1480.5	1380.1	0.4977 mg/L	0.4977 mg/L	16:59:28
2	Ti 337.279†	288162.5	288985.7	0.4897 mg/L	0.4897 mg/L	16:59:02
2	Tl 190.801†	575.7	603.6	0.5097 mg/L	0.5097 mg/L	16:59:28
2	V 292.402†	107754.1	104939.1	0.5032 mg/L	0.5032 mg/L	16:59:08
2	Zn 213.857†	46593.3	45626.4	0.5043 mg/L	0.5043 mg/L	16:59:08

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2219358.7	1.00	mg/L	0.007				0.69%
Ag 328.068†	72325.9	0.2501	mg/L	0.00470	0.2501	mg/L	0.00470	1.88%
QC value within limits for Ag 328.068 Recovery = 100.05%								
Al 237.313†	19108.7	2.448	mg/L	0.0416	2.448	mg/L	0.0416	1.70%
QC value within limits for Al 237.313 Recovery = 97.93%								
As 188.979†	311.5	0.4928	mg/L	0.00563	0.4928	mg/L	0.00563	1.14%
QC value within limits for As 188.979 Recovery = 98.57%								
B 182.528†	530.0	0.4971	mg/L	0.00200	0.4971	mg/L	0.00200	0.40%
QC value within limits for B 182.528 Recovery = 99.43%								
Ba 233.527†	90386.2	0.4902	mg/L	0.00805	0.4902	mg/L	0.00805	1.64%
QC value within limits for Ba 233.527 Recovery = 98.04%								
Be 313.107†	257556.2	0.0503	mg/L	0.00009	0.0503	mg/L	0.00009	0.18%
QC value within limits for Be 313.107 Recovery = 100.69%								
Ca 315.886†	678887.5	5.023	mg/L	0.0129	5.023	mg/L	0.0129	0.26%
QC value within limits for Ca 315.886 Recovery = 100.46%								
Cd 228.802†	19988.9	0.2498	mg/L	0.00410	0.2498	mg/L	0.00410	1.64%
QC value within limits for Cd 228.802 Recovery = 99.94%								
Co 228.616†	33823.2	0.4942	mg/L	0.00744	0.4942	mg/L	0.00744	1.51%
QC value within limits for Co 228.616 Recovery = 98.85%								

Cr 267.716†	67009.5	0.5006 mg/L	0.00808	0.5006 mg/L	0.00808	1.61%
QC value within limits for Cr 267.716 Recovery = 100.11%						
Cu 324.752†	111827.2	0.4922 mg/L	0.01010	0.4922 mg/L	0.01010	2.05%
QC value within limits for Cu 324.752 Recovery = 98.43%						
Fe 238.204†	317484.1	2.519 mg/L	0.0412	2.519 mg/L	0.0412	1.64%
QC value within limits for Fe 238.204 Recovery = 100.75%						
Fe 234.349†	91456.2	2.502 mg/L	0.0418	2.502 mg/L	0.0418	1.67%
QC value within limits for Fe 234.349 Recovery = 100.10%						
Mg 279.077†	100713.9	4.898 mg/L	0.0693	4.898 mg/L	0.0693	1.41%
QC value within limits for Mg 279.077 Recovery = 97.95%						
Mn 257.610†	505193.9	0.5003 mg/L	0.00116	0.5003 mg/L	0.00116	0.23%
QC value within limits for Mn 257.610 Recovery = 100.07%						
Mo 202.031†	5648.4	0.4934 mg/L	0.00575	0.4934 mg/L	0.00575	1.17%
QC value within limits for Mo 202.031 Recovery = 98.67%						
Na 330.237†	17799.4	23.80 mg/L	0.501	23.80 mg/L	0.501	2.10%
QC value within limits for Na 330.237 Recovery = 95.20%						
Ni 231.604†	26228.0	0.5030 mg/L	0.00812	0.5030 mg/L	0.00812	1.61%
QC value within limits for Ni 231.604 Recovery = 100.61%						
Pb 220.353†	4526.0	0.4916 mg/L	0.00580	0.4916 mg/L	0.00580	1.18%
QC value within limits for Pb 220.353 Recovery = 98.31%						
Sb 206.836†	1717.5	0.4762 mg/L	0.00436	0.4762 mg/L	0.00436	0.92%
QC value within limits for Sb 206.836 Recovery = 95.24%						
Se 196.026†	651.1	0.9934 mg/L	0.01379	0.9934 mg/L	0.01379	1.39%
QC value within limits for Se 196.026 Recovery = 99.34%						
Sn 189.927†	1376.5	0.4964 mg/L	0.00182	0.4964 mg/L	0.00182	0.37%
QC value within limits for Sn 189.927 Recovery = 99.29%						
Ti 337.279†	289829.6	0.4912 mg/L	0.00203	0.4912 mg/L	0.00203	0.41%
QC value within limits for Ti 337.279 Recovery = 98.23%						
Tl 190.801†	593.9	0.5017 mg/L	0.01124	0.5017 mg/L	0.01124	2.24%
QC value within limits for Tl 190.801 Recovery = 100.35%						
V 292.402†	103739.0	0.4975 mg/L	0.00813	0.4975 mg/L	0.00813	1.63%
QC value within limits for V 292.402 Recovery = 99.49%						
Zn 213.857†	45033.6	0.4978 mg/L	0.00928	0.4978 mg/L	0.00928	1.86%
QC value within limits for Zn 213.857 Recovery = 99.55%						

All analyte(s) passed QC.

Sequence No.: 7
Sample ID: ICCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/16/2006 5:01:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2227603.0	2227603.0	1.01	mg/L			17:02:37
1	Ag 328.068†	682.1	-78.8	0.0007	mg/L	0.0007	mg/L	17:02:43
1	Al 237.313†	-341.1	13.8	0.0102	mg/L	0.0102	mg/L	17:03:03
1	As 188.979†	-4.4	2.8	0.0067	mg/L	0.0067	mg/L	17:03:03
1	B 182.528†	-25.3	7.4	0.0103	mg/L	0.0103	mg/L	17:03:03
1	Ba 233.527†	328.1	-8.1	0.0003	mg/L	0.0003	mg/L	17:03:03
1	Be 313.107†	2882.2	-39.6	0.0000	mg/L	0.0000	mg/L	17:02:43
1	Ca 315.886†	-477.1	58.9	-0.0110	mg/L	-0.0110	mg/L	17:02:43
1	Cd 228.802†	632.5	3.1	0.0000	mg/L	0.0000	mg/L	17:03:03
1	Co 228.616†	-152.1	-26.3	-0.0013	mg/L	-0.0013	mg/L	17:03:03
1	Cr 267.716†	1746.3	-26.8	-0.0001	mg/L	-0.0001	mg/L	17:02:43
1	Cu 324.752†	2044.3	203.1	0.0040	mg/L	0.0040	mg/L	17:02:43
1	Fe 238.204†	546.5	-66.2	-0.0005	mg/L	-0.0005	mg/L	17:03:03
1	Fe 234.349†	553.1	-20.4	0.0024	mg/L	0.0024	mg/L	17:03:03
1	Mg 279.077†	-1414.7	-24.8	0.0064	mg/L	0.0064	mg/L	17:02:43
1	Mn 257.610†	1157.0	-116.8	-0.0019	mg/L	-0.0019	mg/L	17:02:43
1	Mo 202.031†	121.2	24.8	0.0045	mg/L	0.0045	mg/L	17:03:03
1	Na 330.237†	2274.5	-77.2	0.5543	mg/L	0.5543	mg/L	17:02:43
1	Ni 231.604†	202.6	27.8	0.0002	mg/L	0.0002	mg/L	17:03:03
1	Pb 220.353†	45.8	12.4	0.0019	mg/L	0.0019	mg/L	17:03:03
1	Sb 206.836†	40.0	-5.5	0.0011	mg/L	0.0011	mg/L	17:03:03
1	Se 196.026†	-14.3	3.3	0.0095	mg/L	0.0095	mg/L	17:03:03
1	Sn 189.927†	76.8	-26.7	-0.0142	mg/L	-0.0142	mg/L	17:03:03
1	Ti 337.279†	-165.9	160.2	-0.0005	mg/L	-0.0005	mg/L	17:02:43

1	Tl 190.801†	-7.0	20.0	0.0266 mg/L	0.0266 mg/L	17:03:03
1	V 292.402†	3020.6	-1.4	0.0008 mg/L	0.0008 mg/L	17:02:43
1	Zn 213.857†	1042.4	-12.2	-0.0008 mg/L	-0.0008 mg/L	17:03:03
2	Y 360.073	2211986.8	2211986.8	1.000 mg/L		17:03:09
2	Ag 328.068†	703.1	-53.0	0.0007 mg/L	0.0007 mg/L	17:03:14
2	Al 237.313†	-384.4	-31.9	0.0043 mg/L	0.0043 mg/L	17:03:34
2	As 188.979†	-6.4	0.8	0.0036 mg/L	0.0036 mg/L	17:03:34
2	B 182.528†	-16.7	15.9	0.0182 mg/L	0.0182 mg/L	17:03:34
2	Ba 233.527†	323.8	-10.0	0.0003 mg/L	0.0003 mg/L	17:03:34
2	Be 313.107†	2871.1	-30.6	0.0000 mg/L	0.0000 mg/L	17:03:14
2	Ca 315.886†	-365.4	167.3	-0.0102 mg/L	-0.0102 mg/L	17:03:14
2	Cd 228.802†	624.6	-0.5	0.0000 mg/L	0.0000 mg/L	17:03:34
2	Co 228.616†	-140.5	-15.8	-0.0012 mg/L	-0.0012 mg/L	17:03:34
2	Cr 267.716†	1699.0	-61.8	-0.0004 mg/L	-0.0004 mg/L	17:03:14
2	Cu 324.752†	1961.9	135.0	0.0037 mg/L	0.0037 mg/L	17:03:14
2	Fe 238.204†	535.8	-73.0	-0.0006 mg/L	-0.0006 mg/L	17:03:34
2	Fe 234.349†	565.3	-4.3	0.0029 mg/L	0.0029 mg/L	17:03:34
2	Mg 279.077†	-1326.4	53.6	0.0102 mg/L	0.0102 mg/L	17:03:14
2	Mn 257.610†	1201.4	-64.3	-0.0018 mg/L	-0.0018 mg/L	17:03:14
2	Mo 202.031†	123.7	28.2	0.0048 mg/L	0.0048 mg/L	17:03:34
2	Na 330.237†	2238.0	-97.7	0.5276 mg/L	0.5276 mg/L	17:03:14
2	Ni 231.604†	202.9	29.5	0.0002 mg/L	0.0002 mg/L	17:03:34
2	Pb 220.353†	30.3	-2.8	0.0002 mg/L	0.0002 mg/L	17:03:34
2	Sb 206.836†	35.9	-9.3	0.0001 mg/L	0.0001 mg/L	17:03:34
2	Se 196.026†	-14.6	2.8	0.0088 mg/L	0.0088 mg/L	17:03:34
2	Sn 189.927†	79.1	-23.9	-0.0132 mg/L	-0.0132 mg/L	17:03:34
2	Ti 337.279†	-240.7	84.2	-0.0006 mg/L	-0.0006 mg/L	17:03:14
2	Tl 190.801†	-2.2	24.7	0.0305 mg/L	0.0305 mg/L	17:03:34
2	V 292.402†	3045.6	44.8	0.0010 mg/L	0.0010 mg/L	17:03:14
2	Zn 213.857†	1035.9	-11.4	-0.0008 mg/L	-0.0008 mg/L	17:03:34

Mean Data: ICCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2219794.9	1.00	mg/L	0.005				0.50%
Ag 328.068†	-65.9	0.0007	mg/L	0.00006	0.0007	mg/L	0.00006	9.02%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 237.313†	-9.0	0.0072	mg/L	0.00416	0.0072	mg/L	0.00416	57.71%
QC value within limits for Al 237.313 Recovery = Not calculated								
As 188.979†	1.8	0.0051	mg/L	0.00220	0.0051	mg/L	0.00220	42.92%
QC value within limits for As 188.979 Recovery = Not calculated								
B 182.528†	11.7	0.0142	mg/L	0.00557	0.0142	mg/L	0.00557	39.16%
QC value within limits for B 182.528 Recovery = Not calculated								
Ba 233.527†	-9.1	0.0003	mg/L	0.00001	0.0003	mg/L	0.00001	2.41%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-35.1	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	3.71%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.886†	113.1	-0.0106	mg/L	0.00057	-0.0106	mg/L	0.00057	5.38%
QC value within limits for Ca 315.886 Recovery = Not calculated								
Cd 228.802†	1.3	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	806.49%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-21.1	-0.0012	mg/L	0.00011	-0.0012	mg/L	0.00011	8.79%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-44.3	-0.0002	mg/L	0.00019	-0.0002	mg/L	0.00019	82.41%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	169.0	0.0039	mg/L	0.00021	0.0039	mg/L	0.00021	5.40%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	-69.6	-0.0006	mg/L	0.00004	-0.0006	mg/L	0.00004	6.85%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Fe 234.349†	-12.3	0.0026	mg/L	0.00031	0.0026	mg/L	0.00031	11.78%
QC value within limits for Fe 234.349 Recovery = Not calculated								
Mg 279.077†	14.4	0.0083	mg/L	0.00269	0.0083	mg/L	0.00269	32.29%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-90.5	-0.0019	mg/L	0.00004	-0.0019	mg/L	0.00004	1.99%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	26.5	0.0046	mg/L	0.00021	0.0046	mg/L	0.00021	4.50%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	-87.5	0.5409	mg/L	0.01885	0.5409	mg/L	0.01885	3.49%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	28.6	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	12.48%

QC value within limits for Ni 231.604 Recovery = Not calculated

Pb 220.353†	4.8	0.0011 mg/L	0.00116	0.0011 mg/L	0.00116	109.63%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 206.836†	-7.4	0.0006 mg/L	0.00074	0.0006 mg/L	0.00074	123.24%

QC value within limits for Sb 206.836 Recovery = Not calculated

Se 196.026†	3.0	0.0091 mg/L	0.00046	0.0091 mg/L	0.00046	5.09%

QC value within limits for Se 196.026 Recovery = Not calculated

Sn 189.927†	-25.3	-0.0137 mg/L	0.00074	-0.0137 mg/L	0.00074	5.37%

QC value within limits for Sn 189.927 Recovery = Not calculated

Ti 337.279†	122.2	-0.0006 mg/L	0.00009	-0.0006 mg/L	0.00009	16.39%

QC value within limits for Ti 337.279 Recovery = Not calculated

Tl 190.801†	22.3	0.0285 mg/L	0.00275	0.0285 mg/L	0.00275	9.64%

QC value greater than the upper limit for Tl 190.801 Recovery = Not calculated

V 292.402†	21.7	0.0009 mg/L	0.00015	0.0009 mg/L	0.00015	17.18%

QC value within limits for V 292.402 Recovery = Not calculated

Zn 213.857†	-11.8	-0.0008 mg/L	0.00001	-0.0008 mg/L	0.00001	0.81%

QC value within limits for Zn 213.857 Recovery = Not calculated

QC Failed. Continue with analysis.

Sequence No.: 8
Sample ID: CRI1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 8/16/2006 5:05:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CRI1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2233813.6	2233813.6	1.01	mg/L			17:06:44
1	Ag 328.068†	8094.3	7260.3	0.0259	mg/L	0.0259	mg/L	17:06:49
1	Al 237.313†	1620.1	1957.1	0.2583	mg/L	0.2583	mg/L	17:06:49
1	As 188.979†	25.1	32.1	0.0528	mg/L	0.0528	mg/L	17:07:09
1	B 182.528†	36.3	68.5	0.0672	mg/L	0.0672	mg/L	17:07:09
1	Ba 233.527†	10068.7	9638.0	0.0526	mg/L	0.0526	mg/L	17:06:49
1	Be 313.107†	29141.4	25959.3	0.0051	mg/L	0.0051	mg/L	17:06:49
1	Ca 315.886†	69619.1	69482.9	0.5039	mg/L	0.5039	mg/L	17:06:49
1	Cd 228.802†	2636.6	1986.1	0.0248	mg/L	0.0248	mg/L	17:07:09
1	Co 228.616†	3422.1	3514.0	0.0505	mg/L	0.0505	mg/L	17:07:09
1	Cr 267.716†	8685.3	6840.8	0.0512	mg/L	0.0512	mg/L	17:06:49
1	Cu 324.752†	13426.6	11470.4	0.0533	mg/L	0.0533	mg/L	17:06:49
1	Fe 238.204†	33807.7	32874.0	0.2608	mg/L	0.2608	mg/L	17:06:49
1	Fe 234.349†	10130.9	9463.8	0.2616	mg/L	0.2616	mg/L	17:06:49
1	Mg 279.077†	9325.2	10615.9	0.5231	mg/L	0.5231	mg/L	17:06:49
1	Mn 257.610†	54408.1	52619.5	0.0505	mg/L	0.0505	mg/L	17:06:49
1	Mo 202.031†	700.7	598.4	0.0543	mg/L	0.0543	mg/L	17:07:09
1	Na 330.237†	3963.8	1589.6	2.721	mg/L	2.721	mg/L	17:06:49
1	Ni 231.604†	2898.9	2697.6	0.0514	mg/L	0.0514	mg/L	17:06:49
1	Pb 220.353†	520.6	482.6	0.0529	mg/L	0.0529	mg/L	17:07:09
1	Sb 206.836†	227.5	180.1	0.0523	mg/L	0.0523	mg/L	17:07:09
1	Se 196.026†	49.6	66.6	0.1056	mg/L	0.1056	mg/L	17:07:09
1	Sn 189.927†	203.3	98.3	0.0313	mg/L	0.0313	mg/L	17:07:09
1	Ti 337.279†	30192.1	30227.0	0.0505	mg/L	0.0505	mg/L	17:06:49
1	Tl 190.801†	35.6	62.1	0.0615	mg/L	0.0615	mg/L	17:07:09
1	V 292.402†	13934.2	10799.1	0.0525	mg/L	0.0525	mg/L	17:06:49
1	Zn 213.857†	6185.2	5078.3	0.0556	mg/L	0.0556	mg/L	17:07:09
2	Y 360.073	2257570.0	2257570.0	1.02	mg/L			17:07:15
2	Ag 328.068†	8225.0	7304.0	0.0261	mg/L	0.0261	mg/L	17:07:20
2	Al 237.313†	1707.1	2025.6	0.2671	mg/L	0.2671	mg/L	17:07:20
2	As 188.979†	24.7	31.4	0.0517	mg/L	0.0517	mg/L	17:07:40
2	B 182.528†	26.7	58.7	0.0580	mg/L	0.0580	mg/L	17:07:40
2	Ba 233.527†	10226.1	9687.4	0.0529	mg/L	0.0529	mg/L	17:07:20
2	Be 313.107†	29479.3	25986.7	0.0051	mg/L	0.0051	mg/L	17:07:20
2	Ca 315.886†	70542.0	69661.8	0.5052	mg/L	0.5052	mg/L	17:07:20
2	Cd 228.802†	2654.1	1975.8	0.0247	mg/L	0.0247	mg/L	17:07:40
2	Co 228.616†	3426.8	3482.9	0.0501	mg/L	0.0501	mg/L	17:07:40
2	Cr 267.716†	8820.5	6882.7	0.0515	mg/L	0.0515	mg/L	17:07:20
2	Cu 324.752†	13636.2	11535.8	0.0536	mg/L	0.0536	mg/L	17:07:20
2	Fe 238.204†	34214.5	32920.3	0.2612	mg/L	0.2612	mg/L	17:07:20
2	Fe 234.349†	10248.3	9473.3	0.2619	mg/L	0.2619	mg/L	17:07:20

2	Mg 279.077†	9488.4	10678.5	0.5261 mg/L	0.5261 mg/L	17:07:20
2	Mn 257.610†	55038.6	52670.3	0.0506 mg/L	0.0506 mg/L	17:07:20
2	Mo 202.031†	705.5	595.8	0.0541 mg/L	0.0541 mg/L	17:07:40
2	Na 330.237†	3944.9	1529.8	2.644 mg/L	2.644 mg/L	17:07:20
2	Ni 231.604†	2914.1	2682.3	0.0511 mg/L	0.0511 mg/L	17:07:20
2	Pb 220.353†	530.7	487.0	0.0534 mg/L	0.0534 mg/L	17:07:40
2	Sb 206.836†	230.6	180.7	0.0525 mg/L	0.0525 mg/L	17:07:40
2	Se 196.026†	51.0	67.4	0.1069 mg/L	0.1069 mg/L	17:07:40
2	Sn 189.927†	205.7	98.6	0.0314 mg/L	0.0314 mg/L	17:07:40
2	Ti 337.279†	30696.3	30406.5	0.0508 mg/L	0.0508 mg/L	17:07:20
2	Tl 190.801†	37.0	63.2	0.0624 mg/L	0.0624 mg/L	17:07:40
2	V 292.402†	14055.1	10772.3	0.0524 mg/L	0.0524 mg/L	17:07:20
2	Zn 213.857†	6200.1	5028.4	0.0550 mg/L	0.0550 mg/L	17:07:40

Mean Data: CRI1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2245691.8	1.02	mg/L	0.008				0.75%
Ag 328.068†	7282.1	0.0260	mg/L	0.00011	0.0260	mg/L	0.00011	0.41%
QC value within limits for Ag 328.068 Recovery = 104.06%								
Al 237.313†	1991.3	0.2627	mg/L	0.00623	0.2627	mg/L	0.00623	2.37%
QC value within limits for Al 237.313 Recovery = 105.06%								
As 188.979†	31.7	0.0522	mg/L	0.00077	0.0522	mg/L	0.00077	1.47%
QC value within limits for As 188.979 Recovery = 104.46%								
B 182.528†	63.6	0.0626	mg/L	0.00649	0.0626	mg/L	0.00649	10.36%
QC value within limits for B 182.528 Recovery = 125.19%								
Ba 233.527†	9662.7	0.0527	mg/L	0.00019	0.0527	mg/L	0.00019	0.36%
QC value within limits for Ba 233.527 Recovery = 105.46%								
Be 313.107†	25973.0	0.0051	mg/L	0.00000	0.0051	mg/L	0.00000	0.08%
QC value within limits for Be 313.107 Recovery = 101.07%								
Ca 315.886†	69572.4	0.5045	mg/L	0.00094	0.5045	mg/L	0.00094	0.19%
QC value within limits for Ca 315.886 Recovery = 100.90%								
Cd 228.802†	1980.9	0.0247	mg/L	0.00009	0.0247	mg/L	0.00009	0.36%
QC value within limits for Cd 228.802 Recovery = 98.97%								
Co 228.616†	3498.4	0.0503	mg/L	0.00032	0.0503	mg/L	0.00032	0.64%
QC value within limits for Co 228.616 Recovery = 100.57%								
Cr 267.716†	6861.7	0.0514	mg/L	0.00022	0.0514	mg/L	0.00022	0.43%
QC value within limits for Cr 267.716 Recovery = 102.71%								
Cu 324.752†	11503.1	0.0535	mg/L	0.00020	0.0535	mg/L	0.00020	0.38%
QC value within limits for Cu 324.752 Recovery = 106.92%								
Fe 238.204†	32897.1	0.2610	mg/L	0.00026	0.2610	mg/L	0.00026	0.10%
QC value within limits for Fe 238.204 Recovery = 104.39%								
Fe 234.349†	9468.6	0.2618	mg/L	0.00019	0.2618	mg/L	0.00019	0.07%
QC value within limits for Fe 234.349 Recovery = 104.70%								
Mg 279.077†	10647.2	0.5246	mg/L	0.00215	0.5246	mg/L	0.00215	0.41%
QC value within limits for Mg 279.077 Recovery = 104.92%								
Mn 257.610†	52644.9	0.0506	mg/L	0.00004	0.0506	mg/L	0.00004	0.07%
QC value within limits for Mn 257.610 Recovery = 101.11%								
Mo 202.031†	597.1	0.0542	mg/L	0.00016	0.0542	mg/L	0.00016	0.29%
QC value within limits for Mo 202.031 Recovery = 108.42%								
Na 330.237†	1559.7	2.682	mg/L	0.0549	2.682	mg/L	0.0549	2.05%
QC value within limits for Na 330.237 Recovery = 107.30%								
Ni 231.604†	2690.0	0.0513	mg/L	0.00021	0.0513	mg/L	0.00021	0.41%
QC value within limits for Ni 231.604 Recovery = 102.53%								
Pb 220.353†	484.8	0.0531	mg/L	0.00034	0.0531	mg/L	0.00034	0.64%
QC value within limits for Pb 220.353 Recovery = 106.24%								
Sb 206.836†	180.4	0.0524	mg/L	0.00012	0.0524	mg/L	0.00012	0.23%
QC value within limits for Sb 206.836 Recovery = 104.86%								
Se 196.026†	67.0	0.1062	mg/L	0.00092	0.1062	mg/L	0.00092	0.86%
QC value within limits for Se 196.026 Recovery = 106.25%								
Sn 189.927†	98.4	0.0313	mg/L	0.00006	0.0313	mg/L	0.00006	0.18%
QC value less than the lower limit for Sn 189.927 Recovery = 62.66%								
Ti 337.279†	30316.7	0.0507	mg/L	0.00022	0.0507	mg/L	0.00022	0.42%
QC value within limits for Ti 337.279 Recovery = 101.39%								
Tl 190.801†	62.7	0.0619	mg/L	0.00061	0.0619	mg/L	0.00061	0.99%
QC value within limits for Tl 190.801 Recovery = 123.88%								
V 292.402†	10785.7	0.0524	mg/L	0.00009	0.0524	mg/L	0.00009	0.17%
QC value within limits for V 292.402 Recovery = 104.86%								
Zn 213.857†	5053.4	0.0553	mg/L	0.00039	0.0553	mg/L	0.00039	0.71%
QC value within limits for Zn 213.857 Recovery = 110.59%								

QC Failed. Continue with analysis.

Sequence No.: 9
Sample ID: CRI2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 8/16/2006 5:09:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CRI2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2239188.7	2239188.7	1.01	mg/L			17:10:54
1	Ag 328.068†	3640.0	2840.1	0.0107	mg/L	0.0107	mg/L	17:10:59
1	Al 237.313†	478.7	825.5	0.1138	mg/L	0.1138	mg/L	17:11:19
1	As 188.979†	5.2	12.3	0.0217	mg/L	0.0217	mg/L	17:11:19
1	B 182.528†	-1.9	30.7	0.0319	mg/L	0.0319	mg/L	17:11:19
1	Ba 233.527†	4163.8	3780.0	0.0208	mg/L	0.0208	mg/L	17:10:59
1	Be 313.107†	13492.7	10428.8	0.0020	mg/L	0.0020	mg/L	17:10:54
1	Ca 315.886†	27322.7	27528.0	0.1927	mg/L	0.1927	mg/L	17:10:59
1	Cd 228.802†	1424.0	781.8	0.0098	mg/L	0.0098	mg/L	17:11:19
1	Co 228.616†	1255.0	1364.7	0.0190	mg/L	0.0190	mg/L	17:11:19
1	Cr 267.716†	4457.4	2642.8	0.0198	mg/L	0.0198	mg/L	17:10:59
1	Cu 324.752†	6435.7	4531.4	0.0230	mg/L	0.0230	mg/L	17:10:59
1	Fe 238.204†	13745.7	12972.0	0.1029	mg/L	0.1029	mg/L	17:10:59
1	Fe 234.349†	4285.3	3664.3	0.1031	mg/L	0.1031	mg/L	17:10:59
1	Mg 279.077†	2911.4	4256.8	0.2143	mg/L	0.2143	mg/L	17:10:59
1	Mn 257.610†	22333.4	20799.8	0.0189	mg/L	0.0189	mg/L	17:10:59
1	Mo 202.031†	345.8	246.1	0.0237	mg/L	0.0237	mg/L	17:11:19
1	Na 330.237†	3001.2	629.1	1.473	mg/L	1.473	mg/L	17:10:59
1	Ni 231.604†	1273.6	1084.9	0.0205	mg/L	0.0205	mg/L	17:11:19
1	Pb 220.353†	232.0	196.1	0.0218	mg/L	0.0218	mg/L	17:11:19
1	Sb 206.836†	121.0	74.3	0.0232	mg/L	0.0232	mg/L	17:11:19
1	Se 196.026†	9.6	27.0	0.0455	mg/L	0.0455	mg/L	17:11:19
1	Sn 189.927†	131.8	27.2	0.0054	mg/L	0.0054	mg/L	17:11:19
1	Ti 337.279†	11639.6	11825.1	0.0193	mg/L	0.0193	mg/L	17:10:59
1	Tl 190.801†	18.8	45.5	0.0477	mg/L	0.0477	mg/L	17:11:19
1	V 292.402†	7285.0	4196.4	0.0209	mg/L	0.0209	mg/L	17:10:59
1	Zn 213.857†	2926.1	1843.6	0.0197	mg/L	0.0197	mg/L	17:11:19
2	Y 360.073	2214767.4	2214767.4	1.00	mg/L			17:11:25
2	Ag 328.068†	3501.0	2741.0	0.0104	mg/L	0.0104	mg/L	17:11:30
2	Al 237.313†	449.1	801.3	0.1107	mg/L	0.1107	mg/L	17:11:51
2	As 188.979†	3.9	11.1	0.0197	mg/L	0.0197	mg/L	17:11:51
2	B 182.528†	-3.6	29.0	0.0303	mg/L	0.0303	mg/L	17:11:51
2	Ba 233.527†	4090.1	3751.7	0.0207	mg/L	0.0207	mg/L	17:11:30
2	Be 313.107†	13224.6	10308.1	0.0020	mg/L	0.0020	mg/L	17:11:25
2	Ca 315.886†	27105.8	27609.0	0.1933	mg/L	0.1933	mg/L	17:11:30
2	Cd 228.802†	1402.9	776.2	0.0097	mg/L	0.0097	mg/L	17:11:51
2	Co 228.616†	1262.5	1385.8	0.0194	mg/L	0.0194	mg/L	17:11:51
2	Cr 267.716†	4496.6	2730.6	0.0205	mg/L	0.0205	mg/L	17:11:30
2	Cu 324.752†	6334.1	4500.0	0.0228	mg/L	0.0228	mg/L	17:11:30
2	Fe 238.204†	13592.7	12968.9	0.1029	mg/L	0.1029	mg/L	17:11:30
2	Fe 234.349†	4283.0	3708.6	0.1043	mg/L	0.1043	mg/L	17:11:30
2	Mg 279.077†	2825.8	4203.0	0.2117	mg/L	0.2117	mg/L	17:11:30
2	Mn 257.610†	22117.6	20827.6	0.0189	mg/L	0.0189	mg/L	17:11:30
2	Mo 202.031†	351.5	255.6	0.0245	mg/L	0.0245	mg/L	17:11:51
2	Na 330.237†	2971.3	632.0	1.476	mg/L	1.476	mg/L	17:11:30
2	Ni 231.604†	1254.9	1080.1	0.0204	mg/L	0.0204	mg/L	17:11:51
2	Pb 220.353†	238.5	205.2	0.0228	mg/L	0.0228	mg/L	17:11:51
2	Sb 206.836†	119.9	74.5	0.0232	mg/L	0.0232	mg/L	17:11:51
2	Se 196.026†	10.2	27.7	0.0465	mg/L	0.0465	mg/L	17:11:51
2	Sn 189.927†	123.6	20.5	0.0029	mg/L	0.0029	mg/L	17:11:51
2	Ti 337.279†	11493.8	11806.2	0.0193	mg/L	0.0193	mg/L	17:11:30
2	Tl 190.801†	8.0	34.8	0.0389	mg/L	0.0389	mg/L	17:11:51
2	V 292.402†	7257.6	4248.4	0.0211	mg/L	0.0211	mg/L	17:11:30
2	Zn 213.857†	2956.8	1906.1	0.0204	mg/L	0.0204	mg/L	17:11:51

Mean Data: CRI2

	Mean Corrected	Calib	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 360.073	2226978.1	1.01	mg/L	0.008				0.78%
Ag 328.068†	2790.5	0.0105	mg/L	0.00024	0.0105	mg/L	0.00024	2.29%
QC value within limits for Ag 328.068 Recovery = 105.39%								
Al 237.313†	813.4	0.1123	mg/L	0.00221	0.1123	mg/L	0.00221	1.97%
QC value within limits for Al 237.313 Recovery = 112.28%								
As 188.979†	11.7	0.0207	mg/L	0.00137	0.0207	mg/L	0.00137	6.61%
QC value within limits for As 188.979 Recovery = 103.44%								
B 182.528†	29.8	0.0311	mg/L	0.00112	0.0311	mg/L	0.00112	3.58%
QC value greater than the upper limit for B 182.528 Recovery = 155.64%								
Ba 233.527†	3765.9	0.0208	mg/L	0.00011	0.0208	mg/L	0.00011	0.52%
QC value within limits for Ba 233.527 Recovery = 103.85%								
Be 313.107†	10368.4	0.0020	mg/L	0.00002	0.0020	mg/L	0.00002	0.83%
QC value within limits for Be 313.107 Recovery = 100.07%								
Ca 315.886†	27568.5	0.1930	mg/L	0.00043	0.1930	mg/L	0.00043	0.22%
QC value within limits for Ca 315.886 Recovery = 96.52%								
Cd 228.802†	779.0	0.0097	mg/L	0.00005	0.0097	mg/L	0.00005	0.47%
QC value within limits for Cd 228.802 Recovery = 97.27%								
Co 228.616†	1375.2	0.0192	mg/L	0.00022	0.0192	mg/L	0.00022	1.14%
QC value within limits for Co 228.616 Recovery = 96.02%								
Cr 267.716†	2686.7	0.0202	mg/L	0.00046	0.0202	mg/L	0.00046	2.30%
QC value within limits for Cr 267.716 Recovery = 100.86%								
Cu 324.752†	4515.7	0.0229	mg/L	0.00010	0.0229	mg/L	0.00010	0.42%
QC value within limits for Cu 324.752 Recovery = 114.52%								
Fe 238.204†	12970.5	0.1029	mg/L	0.00002	0.1029	mg/L	0.00002	0.02%
QC value within limits for Fe 238.204 Recovery = 102.89%								
Fe 234.349†	3686.5	0.1037	mg/L	0.00086	0.1037	mg/L	0.00086	0.83%
QC value within limits for Fe 234.349 Recovery = 103.73%								
Mg 279.077†	4229.9	0.2130	mg/L	0.00185	0.2130	mg/L	0.00185	0.87%
QC value within limits for Mg 279.077 Recovery = 106.51%								
Mn 257.610†	20813.7	0.0189	mg/L	0.00002	0.0189	mg/L	0.00002	0.10%
QC value within limits for Mn 257.610 Recovery = 94.60%								
Mo 202.031†	250.8	0.0241	mg/L	0.00058	0.0241	mg/L	0.00058	2.40%
QC value within limits for Mo 202.031 Recovery = 120.53%								
Na 330.237†	630.6	1.475	mg/L	0.0026	1.475	mg/L	0.0026	0.18%
QC value greater than the upper limit for Na 330.237 Recovery = 147.45%								
Ni 231.604†	1082.5	0.0204	mg/L	0.00007	0.0204	mg/L	0.00007	0.32%
QC value within limits for Ni 231.604 Recovery = 102.06%								
Pb 220.353†	200.6	0.0223	mg/L	0.00069	0.0223	mg/L	0.00069	3.12%
QC value within limits for Pb 220.353 Recovery = 111.47%								
Sb 206.836†	74.4	0.0232	mg/L	0.00003	0.0232	mg/L	0.00003	0.14%
QC value within limits for Sb 206.836 Recovery = 116.07%								
Se 196.026†	27.3	0.0460	mg/L	0.00074	0.0460	mg/L	0.00074	1.60%
QC value within limits for Se 196.026 Recovery = 115.00%								
Sn 189.927†	23.9	0.0042	mg/L	0.00174	0.0042	mg/L	0.00174	41.62%
QC value less than the lower limit for Sn 189.927 Recovery = 20.86%								
Ti 337.279†	11815.7	0.0193	mg/L	0.00002	0.0193	mg/L	0.00002	0.12%
QC value within limits for Ti 337.279 Recovery = 96.45%								
Tl 190.801†	40.2	0.0433	mg/L	0.00624	0.0433	mg/L	0.00624	14.41%
QC value greater than the upper limit for Tl 190.801 Recovery = 216.61%								
V 292.402†	4222.4	0.0210	mg/L	0.00018	0.0210	mg/L	0.00018	0.85%
QC value within limits for V 292.402 Recovery = 105.05%								
Zn 213.857†	1874.8	0.0201	mg/L	0.00049	0.0201	mg/L	0.00049	2.46%
QC value within limits for Zn 213.857 Recovery = 100.41%								

QC Failed. Continue with analysis.

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Sequence No.: 10
Sample ID: CRI3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 8/16/2006 5:13:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CRI3

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Y 360.073	2230534.6	2230534.6	1.01	mg/L			17:15:04
1	Ag 328.068†	2191.4	1417.3	0.0058	mg/L	0.0058	mg/L	17:15:10
1	Al 237.313†	66.6	418.7	0.0619	mg/L	0.0619	mg/L	17:15:30
1	As 188.979†	-1.9	5.3	0.0106	mg/L	0.0106	mg/L	17:15:30

1	B 182.528†	-16.9	15.8	0.0181 mg/L	0.0181 mg/L	17:15:30
1	Ba 233.527†	2239.2	1887.0	0.0106 mg/L	0.0106 mg/L	17:15:30
1	Be 313.107†	8285.8	5316.1	0.0010 mg/L	0.0010 mg/L	17:15:10
1	Ca 315.886†	13703.1	14124.2	0.0933 mg/L	0.0933 mg/L	17:15:10
1	Cd 228.802†	1024.6	391.1	0.0049 mg/L	0.0049 mg/L	17:15:30
1	Co 228.616†	546.7	667.0	0.0088 mg/L	0.0088 mg/L	17:15:30
1	Cr 267.716†	3053.7	1267.7	0.0096 mg/L	0.0096 mg/L	17:15:10
1	Cu 324.752†	4025.0	2165.0	0.0126 mg/L	0.0126 mg/L	17:15:10
1	Fe 238.204†	7236.1	6568.2	0.0521 mg/L	0.0521 mg/L	17:15:10
1	Fe 234.349†	2470.4	1880.6	0.0544 mg/L	0.0544 mg/L	17:15:10
1	Mg 279.077†	802.2	2175.9	0.1133 mg/L	0.1133 mg/L	17:15:10
1	Mn 257.610†	11866.0	10503.4	0.0087 mg/L	0.0087 mg/L	17:15:10
1	Mo 202.031†	213.3	116.0	0.0124 mg/L	0.0124 mg/L	17:15:30
1	Na 330.237†	2564.6	207.6	0.9244 mg/L	0.9244 mg/L	17:15:10
1	Ni 231.604†	717.0	537.6	0.0100 mg/L	0.0100 mg/L	17:15:30
1	Pb 220.353†	130.2	96.1	0.0109 mg/L	0.0109 mg/L	17:15:30
1	Sb 206.836†	89.6	43.6	0.0147 mg/L	0.0147 mg/L	17:15:30
1	Se 196.026†	-3.8	13.7	0.0253 mg/L	0.0253 mg/L	17:15:30
1	Sn 189.927†	100.7	-3.1	-0.0056 mg/L	-0.0056 mg/L	17:15:30
1	Ti 337.279†	5857.3	6134.5	0.0096 mg/L	0.0096 mg/L	17:15:10
1	Tl 190.801†	-11.8	15.2	0.0227 mg/L	0.0227 mg/L	17:15:30
1	V 292.402†	5233.5	2189.6	0.0113 mg/L	0.0113 mg/L	17:15:10
1	Zn 213.857†	2083.7	1019.2	0.0106 mg/L	0.0106 mg/L	17:15:30
2	Y 360.073	2243805.6	2243805.6	1.01 mg/L		17:15:35
2	Ag 328.068†	2139.0	1352.8	0.0056 mg/L	0.0056 mg/L	17:15:41
2	Al 237.313†	66.3	418.0	0.0618 mg/L	0.0618 mg/L	17:16:01
2	As 188.979†	0.6	7.7	0.0145 mg/L	0.0145 mg/L	17:16:01
2	B 182.528†	-18.7	14.1	0.0165 mg/L	0.0165 mg/L	17:16:01
2	Ba 233.527†	2227.7	1862.6	0.0105 mg/L	0.0105 mg/L	17:16:01
2	Be 313.107†	8083.7	5068.2	0.0010 mg/L	0.0010 mg/L	17:15:41
2	Ca 315.886†	13560.1	13902.8	0.0917 mg/L	0.0917 mg/L	17:15:41
2	Cd 228.802†	1029.5	389.9	0.0049 mg/L	0.0049 mg/L	17:16:01
2	Co 228.616†	540.6	657.7	0.0087 mg/L	0.0087 mg/L	17:16:01
2	Cr 267.716†	3106.9	1302.2	0.0098 mg/L	0.0098 mg/L	17:15:41
2	Cu 324.752†	4073.7	2189.4	0.0127 mg/L	0.0127 mg/L	17:15:41
2	Fe 238.204†	7160.0	6450.8	0.0512 mg/L	0.0512 mg/L	17:15:41
2	Fe 234.349†	2480.3	1875.9	0.0543 mg/L	0.0543 mg/L	17:15:41
2	Mg 279.077†	765.3	2134.8	0.1113 mg/L	0.1113 mg/L	17:15:41
2	Mn 257.610†	11749.7	10319.1	0.0085 mg/L	0.0085 mg/L	17:15:41
2	Mo 202.031†	213.3	114.7	0.0123 mg/L	0.0123 mg/L	17:16:01
2	Na 330.237†	2561.0	189.0	0.9003 mg/L	0.9003 mg/L	17:15:41
2	Ni 231.604†	705.8	522.5	0.0097 mg/L	0.0097 mg/L	17:16:01
2	Pb 220.353†	138.7	103.7	0.0118 mg/L	0.0118 mg/L	17:16:01
2	Sb 206.836†	75.3	29.0	0.0107 mg/L	0.0107 mg/L	17:16:01
2	Se 196.026†	-1.9	15.6	0.0283 mg/L	0.0283 mg/L	17:16:01
2	Sn 189.927†	85.2	-19.0	-0.0114 mg/L	-0.0114 mg/L	17:16:01
2	Ti 337.279†	5753.1	5997.4	0.0094 mg/L	0.0094 mg/L	17:15:41
2	Tl 190.801†	-9.2	17.9	0.0249 mg/L	0.0249 mg/L	17:16:01
2	V 292.402†	5185.0	2111.0	0.0109 mg/L	0.0109 mg/L	17:15:41
2	Zn 213.857†	2062.9	986.5	0.0103 mg/L	0.0103 mg/L	17:16:01

Mean Data: CRI3

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2237170.1	1.01	mg/L	0.004				0.42%
Ag 328.068†	1385.1	0.0057	mg/L	0.00016	0.0057	mg/L	0.00016	2.76%
QC value within limits for Ag 328.068 Recovery = 113.93%								
Al 237.313†	418.4	0.0618	mg/L	0.00006	0.0618	mg/L	0.00006	0.10%
QC value within limits for Al 237.313 Recovery = 123.65%								
As 188.979†	6.5	0.0125	mg/L	0.00275	0.0125	mg/L	0.00275	22.01%
QC value within limits for As 188.979 Recovery = 125.13%								
B 182.528†	14.9	0.0173	mg/L	0.00111	0.0173	mg/L	0.00111	6.40%
QC value greater than the upper limit for B 182.528 Recovery = 172.78%								
Ba 233.527†	1874.8	0.0105	mg/L	0.00009	0.0105	mg/L	0.00009	0.89%
QC value within limits for Ba 233.527 Recovery = 105.21%								
Be 313.107†	5192.2	0.0010	mg/L	0.00003	0.0010	mg/L	0.00003	3.46%
QC value within limits for Be 313.107 Recovery = 98.89%								
Ca 315.886†	14013.5	0.0925	mg/L	0.00116	0.0925	mg/L	0.00116	1.26%
QC value within limits for Ca 315.886 Recovery = 92.51%								
Cd 228.802†	390.5	0.0049	mg/L	0.00002	0.0049	mg/L	0.00002	0.38%

	QC value within limits for Cd 228.802 Recovery = 97.35%						
Co 228.616†	662.3	0.0088 mg/L	0.00010	0.0088 mg/L	0.00010	1.09%	
	QC value within limits for Co 228.616 Recovery = 87.66%						
Cr 267.716†	1284.9	0.0097 mg/L	0.00018	0.0097 mg/L	0.00018	1.88%	
	QC value within limits for Cr 267.716 Recovery = 97.03%						
Cu 324.752†	2177.2	0.0127 mg/L	0.00008	0.0127 mg/L	0.00008	0.60%	
	QC value within limits for Cu 324.752 Recovery = 126.78%						
Fe 238.204†	6509.5	0.0516 mg/L	0.00066	0.0516 mg/L	0.00066	1.28%	
	QC value within limits for Fe 238.204 Recovery = 103.27%						
Fe 234.349†	1878.2	0.0543 mg/L	0.00009	0.0543 mg/L	0.00009	0.17%	
	QC value within limits for Fe 234.349 Recovery = 108.63%						
Mg 279.077†	2155.4	0.1123 mg/L	0.00141	0.1123 mg/L	0.00141	1.26%	
	QC value within limits for Mg 279.077 Recovery = 112.29%						
Mn 257.610†	10411.2	0.0086 mg/L	0.00013	0.0086 mg/L	0.00013	1.51%	
	QC value within limits for Mn 257.610 Recovery = 85.80%						
Mo 202.031†	115.4	0.0123 mg/L	0.00008	0.0123 mg/L	0.00008	0.62%	
	QC value within limits for Mo 202.031 Recovery = 123.30%						
Na 330.237†	198.3	0.9124 mg/L	0.01710	0.9124 mg/L	0.01710	1.87%	
	QC value greater than the upper limit for Na 330.237 Recovery = 182.47%						
Ni 231.604†	530.0	0.0098 mg/L	0.00021	0.0098 mg/L	0.00021	2.10%	
	QC value within limits for Ni 231.604 Recovery = 98.09%						
Pb 220.353†	99.9	0.0114 mg/L	0.00058	0.0114 mg/L	0.00058	5.12%	
	QC value within limits for Pb 220.353 Recovery = 113.61%						
Sb 206.836†	36.3	0.0127 mg/L	0.00288	0.0127 mg/L	0.00288	22.69%	
	QC value within limits for Sb 206.836 Recovery = 126.99%						
Se 196.026†	14.7	0.0268 mg/L	0.00211	0.0268 mg/L	0.00211	7.89%	
	QC value greater than the upper limit for Se 196.026 Recovery = 133.85%						
Sn 189.927†	-11.0	-0.0085 mg/L	0.00408	-0.0085 mg/L	0.00408	47.95%	
	QC value less than the lower limit for Sn 189.927 Recovery = -85.16%						
Ti 337.279†	6066.0	0.0095 mg/L	0.00016	0.0095 mg/L	0.00016	1.73%	
	QC value within limits for Ti 337.279 Recovery = 95.32%						
Tl 190.801†	16.5	0.0238 mg/L	0.00155	0.0238 mg/L	0.00155	6.52%	
	QC value greater than the upper limit for Tl 190.801 Recovery = 237.57%						
V 292.402†	2150.3	0.0111 mg/L	0.00026	0.0111 mg/L	0.00026	2.37%	
	QC value within limits for V 292.402 Recovery = 110.86%						
Zn 213.857†	1002.9	0.0104 mg/L	0.00026	0.0104 mg/L	0.00026	2.46%	
	QC value within limits for Zn 213.857 Recovery = 104.37%						

QC Failed. Continue with analysis.

Sequence No.: 11
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 106
Date Collected: 8/16/2006 5:17:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICSA

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2179255.3	2179255.3	0.985	mg/L			17:19:29
1	Ag 328.068†	1080.0	340.2	0.0021	mg/L	0.0021	mg/L	17:19:34
1	Al 237.313†	1858180.2	1886752.2	242.2	mg/L	242.2	mg/L	17:19:29
1	As 188.979†	-13.1	-6.1	-0.0072	mg/L	-0.0072	mg/L	17:19:54
1	B 182.528†	-11.4	20.9	0.0229	mg/L	0.0229	mg/L	17:19:54
1	Ba 233.527†	1079.6	762.1	0.0045	mg/L	0.0045	mg/L	17:19:54
1	Be 313.107†	61.6	-2839.6	-0.0003	mg/L	-0.0003	mg/L	17:19:34
1	Ca 315.886†	31581865.4	32062018.2	237.7	mg/L	237.7	mg/L	17:19:21
1	Cd 228.802†	715.3	101.0	-0.0006	mg/L	-0.0006	mg/L	17:19:54
1	Co 228.616†	-77.1	46.5	-0.0003	mg/L	-0.0003	mg/L	17:19:54
1	Cr 267.716†	1243.0	-499.2	0.0009	mg/L	0.0009	mg/L	17:19:54
1	Cu 324.752†	609.0	-1209.0	-0.0021	mg/L	-0.0021	mg/L	17:19:34
1	Fe 238.204†	10685054.1	10846714.4	86.02	mg/L	86.02	mg/L	17:19:21
1	Fe 234.349†	3239471.8	3288098.6	90.04	mg/L	90.04	mg/L	17:19:29
1	Mg 279.077†	4701756.1	4774539.9	231.8	mg/L	231.8	mg/L	17:19:29
1	Mn 257.610†	5462.3	4279.3	0.0055	mg/L	0.0055	mg/L	17:19:34
1	Mo 202.031†	-13.2	-108.9	-0.0009	mg/L	-0.0009	mg/L	17:19:54
1	Na 330.237†	1901.8	-405.4	0.4952	mg/L	0.4952	mg/L	17:19:34
1	Ni 231.604†	157.2	-13.9	-0.0006	mg/L	-0.0006	mg/L	17:19:54
1	Pb 220.353†	-145.8	-181.1	-0.0027	mg/L	-0.0027	mg/L	17:19:54
1	Sb 206.836†	6.2	-38.9	-0.0082	mg/L	-0.0082	mg/L	17:19:54

1	Se 196.026†	-44.2	-27.4	-0.0372 mg/L	-0.0372 mg/L	17:19:54
1	Sn 189.927†	27.0	-75.6	-0.0320 mg/L	-0.0320 mg/L	17:19:54
1	Ti 337.279†	3054.3	3425.7	0.0051 mg/L	0.0051 mg/L	17:19:34
1	Tl 190.801†	-41.4	-15.1	-0.0023 mg/L	-0.0023 mg/L	17:19:54
1	V 292.402†	1082.5	-1902.3	-0.0083 mg/L	-0.0083 mg/L	17:19:54
1	Zn 213.857†	3661.7	2669.9	0.0291 mg/L	0.0291 mg/L	17:19:54
2	Y 360.073	2161968.8	2161968.8	0.977 mg/L		17:20:14
2	Ag 328.068†	1063.8	332.3	0.0021 mg/L	0.0021 mg/L	17:20:20
2	Al 237.313†	1846270.7	1889648.3	242.5 mg/L	242.5 mg/L	17:20:14
2	As 188.979†	-8.6	-1.6	-0.0002 mg/L	-0.0002 mg/L	17:20:40
2	B 182.528†	-8.7	23.7	0.0254 mg/L	0.0254 mg/L	17:20:40
2	Ba 233.527†	1072.8	763.9	0.0045 mg/L	0.0045 mg/L	17:20:40
2	Be 313.107†	74.3	-2826.1	-0.0003 mg/L	-0.0003 mg/L	17:20:20
2	Ca 315.886†	31314011.2	32044277.4	237.6 mg/L	237.6 mg/L	17:20:07
2	Cd 228.802†	744.0	136.2	-0.0002 mg/L	-0.0002 mg/L	17:20:40
2	Co 228.616†	-115.3	6.7	-0.0008 mg/L	-0.0008 mg/L	17:20:40
2	Cr 267.716†	1209.2	-523.7	0.0007 mg/L	0.0007 mg/L	17:20:40
2	Cu 324.752†	585.0	-1228.6	-0.0022 mg/L	-0.0022 mg/L	17:20:20
2	Fe 238.204†	10608300.1	10854904.2	86.08 mg/L	86.08 mg/L	17:20:07
2	Fe 234.349†	3225774.8	3300377.7	90.37 mg/L	90.37 mg/L	17:20:14
2	Mg 279.077†	4686683.0	4797280.5	232.9 mg/L	232.9 mg/L	17:20:14
2	Mn 257.610†	5453.1	4314.3	0.0056 mg/L	0.0056 mg/L	17:20:20
2	Mo 202.031†	-26.8	-123.0	-0.0021 mg/L	-0.0021 mg/L	17:20:40
2	Na 330.237†	1905.9	-385.7	0.5221 mg/L	0.5221 mg/L	17:20:20
2	Ni 231.604†	135.4	-34.9	-0.0010 mg/L	-0.0010 mg/L	17:20:40
2	Pb 220.353†	-156.5	-193.2	-0.0040 mg/L	-0.0040 mg/L	17:20:40
2	Sb 206.836†	-0.2	-45.4	-0.0100 mg/L	-0.0100 mg/L	17:20:40
2	Se 196.026†	-46.7	-30.3	-0.0416 mg/L	-0.0416 mg/L	17:20:40
2	Sn 189.927†	30.6	-71.7	-0.0306 mg/L	-0.0306 mg/L	17:20:40
2	Ti 337.279†	2974.6	3368.9	0.0050 mg/L	0.0050 mg/L	17:20:20
2	Tl 190.801†	-51.5	-25.8	-0.0111 mg/L	-0.0111 mg/L	17:20:40
2	V 292.402†	1111.9	-1863.5	-0.0081 mg/L	-0.0081 mg/L	17:20:40
2	Zn 213.857†	3687.1	2725.6	0.0297 mg/L	0.0297 mg/L	17:20:40

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2170612.0	0.981	mg/L	0.0055				0.56%
Ag 328.068†	336.2	0.0021	mg/L	0.00002	0.0021	mg/L	0.00002	0.91%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 237.313†	1888200.2	242.4	mg/L	0.26	242.4	mg/L	0.26	0.11%
QC value within limits for Al 237.313 Recovery = 96.94%								
As 188.979†	-3.8	-0.0037	mg/L	0.00493	-0.0037	mg/L	0.00493	132.39%
QC value within limits for As 188.979 Recovery = Not calculated								
B 182.528†	22.3	0.0241	mg/L	0.00181	0.0241	mg/L	0.00181	7.50%
QC value within limits for B 182.528 Recovery = Not calculated								
Ba 233.527†	763.0	0.0045	mg/L	0.00001	0.0045	mg/L	0.00001	0.15%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-2832.8	-0.0003	mg/L	0.00000	-0.0003	mg/L	0.00000	0.83%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.886†	32053147.8	237.7	mg/L	0.09	237.7	mg/L	0.09	0.04%
QC value within limits for Ca 315.886 Recovery = 95.07%								
Cd 228.802†	118.6	-0.0004	mg/L	0.00029	-0.0004	mg/L	0.00029	75.22%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	26.6	-0.0005	mg/L	0.00041	-0.0005	mg/L	0.00041	75.06%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-511.5	0.0008	mg/L	0.00012	0.0008	mg/L	0.00012	14.82%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-1218.8	-0.0022	mg/L	0.00006	-0.0022	mg/L	0.00006	2.80%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	10850809.3	86.05	mg/L	0.046	86.05	mg/L	0.046	0.05%
QC value within limits for Fe 238.204 Recovery = 86.05%								
Fe 234.349†	3294238.1	90.20	mg/L	0.238	90.20	mg/L	0.238	0.26%
QC value within limits for Fe 234.349 Recovery = 90.20%								
Mg 279.077†	4785910.2	232.4	mg/L	0.78	232.4	mg/L	0.78	0.34%
QC value within limits for Mg 279.077 Recovery = 92.94%								
Mn 257.610†	4296.8	0.0056	mg/L	0.00003	0.0056	mg/L	0.00003	0.59%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-116.0	-0.0015	mg/L	0.00085	-0.0015	mg/L	0.00085	57.91%
QC value within limits for Mo 202.031 Recovery = Not calculated								

Na 330.237†	-395.6	0.5086 mg/L	0.01905	0.5086 mg/L	0.01905	3.75%
QC value within limits for Na 330.237 Recovery = Not calculated						
Ni 231.604†	-24.4	-0.0008 mg/L	0.00029	-0.0008 mg/L	0.00029	34.19%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-187.2	-0.0033 mg/L	0.00091	-0.0033 mg/L	0.00091	27.43%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-42.2	-0.0091 mg/L	0.00128	-0.0091 mg/L	0.00128	14.09%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-28.9	-0.0394 mg/L	0.00312	-0.0394 mg/L	0.00312	7.93%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-73.6	-0.0313 mg/L	0.00100	-0.0313 mg/L	0.00100	3.20%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 337.279†	3397.3	0.0050 mg/L	0.00007	0.0050 mg/L	0.00007	1.36%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	-20.4	-0.0067 mg/L	0.00624	-0.0067 mg/L	0.00624	92.82%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	-1882.9	-0.0082 mg/L	0.00013	-0.0082 mg/L	0.00013	1.58%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 213.857†	2697.7	0.0294 mg/L	0.00044	0.0294 mg/L	0.00044	1.50%
QC value within limits for Zn 213.857 Recovery = Not calculated						

All analyte(s) passed QC.

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Sequence No.: 12
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 105
Date Collected: 8/16/2006 5:22:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICSAB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2167908.4	2167908.4	0.980	mg/L			17:24:07
1	Ag 328.068†	147363.0	149627.7	0.5163	mg/L	0.5163	mg/L	17:24:12
1	Al 237.313†	1851090.4	1889390.5	242.5	mg/L	242.5	mg/L	17:24:07
1	As 188.979†	-11.3	-4.4	-0.0047	mg/L	-0.0047	mg/L	17:24:33
1	B 182.528†	-27.0	5.0	0.0081	mg/L	0.0081	mg/L	17:24:33
1	Ba 233.527†	44343.1	44918.2	0.2438	mg/L	0.2438	mg/L	17:24:12
1	Be 313.107†	1257621.9	1280501.2	0.2506	mg/L	0.2506	mg/L	17:24:07
1	Ca 315.886†	31514527.0	32161110.2	238.5	mg/L	238.5	mg/L	17:23:59
1	Cd 228.802†	35475.5	35577.6	0.4463	mg/L	0.4463	mg/L	17:24:12
1	Co 228.616†	14482.4	14904.0	0.2176	mg/L	0.2176	mg/L	17:24:33
1	Cr 267.716†	32941.8	31856.0	0.2425	mg/L	0.2425	mg/L	17:24:12
1	Cu 324.752†	53404.0	52671.5	0.2334	mg/L	0.2334	mg/L	17:24:12
1	Fe 238.204†	10677211.9	10895486.7	86.41	mg/L	86.41	mg/L	17:23:59
1	Fe 234.349†	3227892.1	3293494.5	90.18	mg/L	90.18	mg/L	17:24:07
1	Mg 279.077†	4686889.6	4784351.4	232.3	mg/L	232.3	mg/L	17:24:07
1	Mn 257.610†	238956.9	242589.6	0.2424	mg/L	0.2424	mg/L	17:24:12
1	Mo 202.031†	-15.4	-111.3	-0.0009	mg/L	-0.0009	mg/L	17:24:33
1	Na 330.237†	1923.4	-373.3	0.5069	mg/L	0.5069	mg/L	17:24:12
1	Ni 231.604†	22709.3	23001.4	0.4413	mg/L	0.4413	mg/L	17:24:33
1	Pb 220.353†	4054.7	4104.8	0.4604	mg/L	0.4604	mg/L	17:24:33
1	Sb 206.836†	12.7	-32.3	-0.0093	mg/L	-0.0093	mg/L	17:24:33
1	Se 196.026†	-45.4	-28.9	-0.0394	mg/L	-0.0394	mg/L	17:24:33
1	Sn 189.927†	34.9	-67.3	-0.0290	mg/L	-0.0290	mg/L	17:24:33
1	Ti 337.279†	3104.8	3493.4	0.0052	mg/L	0.0052	mg/L	17:24:12
1	Tl 190.801†	-53.8	-28.1	-0.0136	mg/L	-0.0136	mg/L	17:24:33
1	V 292.402†	50572.0	48607.5	0.2337	mg/L	0.2337	mg/L	17:24:12
1	Zn 213.857†	43682.7	43530.7	0.4811	mg/L	0.4811	mg/L	17:24:12
2	Y 360.073	2177024.6	2177024.6	0.984	mg/L			17:24:53
2	Ag 328.068†	147350.9	148985.7	0.5141	mg/L	0.5141	mg/L	17:24:59
2	Al 237.313†	1861438.4	1891996.1	242.8	mg/L	242.8	mg/L	17:24:53
2	As 188.979†	-8.2	-1.1	0.0004	mg/L	0.0004	mg/L	17:25:19
2	B 182.528†	-15.1	17.2	0.0194	mg/L	0.0194	mg/L	17:25:19
2	Ba 233.527†	44583.2	44972.7	0.2441	mg/L	0.2441	mg/L	17:24:59
2	Be 313.107†	1268720.9	1286406.1	0.2517	mg/L	0.2517	mg/L	17:24:53
2	Ca 315.886†	31587458.2	32100553.4	238.0	mg/L	238.0	mg/L	17:24:45
2	Cd 228.802†	35673.7	35627.4	0.4469	mg/L	0.4469	mg/L	17:24:59
2	Co 228.616†	14535.1	14895.6	0.2175	mg/L	0.2175	mg/L	17:25:19
2	Cr 267.716†	33036.3	31811.2	0.2422	mg/L	0.2422	mg/L	17:24:59

2	Cu 324.752†	53493.1	52534.0	0.2328 mg/L	0.2328 mg/L	17:24:59
2	Fe 238.204†	10702831.8	10875895.3	86.25 mg/L	86.25 mg/L	17:24:45
2	Fe 234.349†	3255518.6	3307775.5	90.57 mg/L	90.57 mg/L	17:24:53
2	Mg 279.077†	4731899.9	4810063.6	233.5 mg/L	233.5 mg/L	17:24:53
2	Mn 257.610†	239987.0	242615.4	0.2424 mg/L	0.2424 mg/L	17:24:59
2	Mo 202.031†	-29.6	-125.6	-0.0021 mg/L	-0.0021 mg/L	17:25:19
2	Na 330.237†	1934.6	-370.1	0.5125 mg/L	0.5125 mg/L	17:24:59
2	Ni 231.604†	22830.3	23027.3	0.4418 mg/L	0.4418 mg/L	17:25:19
2	Pb 220.353†	4056.4	4089.1	0.4588 mg/L	0.4588 mg/L	17:25:19
2	Sb 206.836†	29.2	-15.5	-0.0046 mg/L	-0.0046 mg/L	17:25:19
2	Se 196.026†	-51.8	-35.1	-0.0488 mg/L	-0.0488 mg/L	17:25:19
2	Sn 189.927†	29.9	-72.6	-0.0309 mg/L	-0.0309 mg/L	17:25:19
2	Ti 337.279†	3006.6	3380.4	0.0050 mg/L	0.0050 mg/L	17:24:59
2	Tl 190.801†	-52.2	-26.1	-0.0121 mg/L	-0.0121 mg/L	17:25:19
2	V 292.402†	50806.6	48629.8	0.2338 mg/L	0.2338 mg/L	17:24:59
2	Zn 213.857†	43967.6	43633.5	0.4823 mg/L	0.4823 mg/L	17:24:59

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2172466.5	0.982	mg/L	0.0029				0.30%
Ag 328.068†	149306.7	0.5152	mg/L	0.00156	0.5152	mg/L	0.00156	0.30%
QC value within limits for Ag 328.068 Recovery = 103.04%								
Al 237.313†	1890693.3	242.7	mg/L	0.23	242.7	mg/L	0.23	0.10%
QC value within limits for Al 237.313 Recovery = 97.07%								
As 188.979†	-2.7	-0.0021	mg/L	0.00364	-0.0021	mg/L	0.00364	171.16%
QC value within limits for As 188.979 Recovery = Not calculated								
B 182.528†	11.1	0.0137	mg/L	0.00800	0.0137	mg/L	0.00800	58.37%
QC value within limits for B 182.528 Recovery = Not calculated								
Ba 233.527†	44945.5	0.2439	mg/L	0.00021	0.2439	mg/L	0.00021	0.09%
QC value within limits for Ba 233.527 Recovery = 97.58%								
Be 313.107†	1283453.6	0.2511	mg/L	0.00082	0.2511	mg/L	0.00082	0.33%
QC value within limits for Be 313.107 Recovery = 100.46%								
Ca 315.886†	32130831.8	238.2	mg/L	0.32	238.2	mg/L	0.32	0.13%
QC value within limits for Ca 315.886 Recovery = 95.30%								
Cd 228.802†	35602.5	0.4466	mg/L	0.00043	0.4466	mg/L	0.00043	0.10%
QC value within limits for Cd 228.802 Recovery = 89.32%								
Co 228.616†	14899.8	0.2175	mg/L	0.00009	0.2175	mg/L	0.00009	0.04%
QC value within limits for Co 228.616 Recovery = 87.01%								
Cr 267.716†	31833.6	0.2423	mg/L	0.00022	0.2423	mg/L	0.00022	0.09%
QC value within limits for Cr 267.716 Recovery = 96.93%								
Cu 324.752†	52602.7	0.2331	mg/L	0.00043	0.2331	mg/L	0.00043	0.18%
QC value within limits for Cu 324.752 Recovery = 93.24%								
Fe 238.204†	10885691.0	86.33	mg/L	0.110	86.33	mg/L	0.110	0.13%
QC value within limits for Fe 238.204 Recovery = 86.33%								
Fe 234.349†	3300635.0	90.38	mg/L	0.277	90.38	mg/L	0.277	0.31%
QC value within limits for Fe 234.349 Recovery = 90.38%								
Mg 279.077†	4797207.5	232.9	mg/L	0.88	232.9	mg/L	0.88	0.38%
QC value within limits for Mg 279.077 Recovery = 93.16%								
Mn 257.610†	242602.5	0.2424	mg/L	0.00003	0.2424	mg/L	0.00003	0.01%
QC value within limits for Mn 257.610 Recovery = 96.96%								
Mo 202.031†	-118.4	-0.0015	mg/L	0.00086	-0.0015	mg/L	0.00086	57.12%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	-371.7	0.5097	mg/L	0.00395	0.5097	mg/L	0.00395	0.78%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	23014.3	0.4415	mg/L	0.00035	0.4415	mg/L	0.00035	0.08%
QC value within limits for Ni 231.604 Recovery = 88.30%								
Pb 220.353†	4096.9	0.4596	mg/L	0.00119	0.4596	mg/L	0.00119	0.26%
QC value within limits for Pb 220.353 Recovery = 91.92%								
Sb 206.836†	-23.9	-0.0069	mg/L	0.00332	-0.0069	mg/L	0.00332	47.91%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-32.0	-0.0441	mg/L	0.00671	-0.0441	mg/L	0.00671	15.23%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-70.0	-0.0299	mg/L	0.00136	-0.0299	mg/L	0.00136	4.55%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	3436.9	0.0051	mg/L	0.00014	0.0051	mg/L	0.00014	2.68%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801†	-27.1	-0.0128	mg/L	0.00112	-0.0128	mg/L	0.00112	8.72%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	48618.6	0.2338	mg/L	0.00007	0.2338	mg/L	0.00007	0.03%

QC value within limits for V 292.402 Recovery = 93.52%

Zn 213.857†	43582.1	0.4817 mg/L	0.00081	0.4817 mg/L	0.00081	0.17%

QC value within limits for Zn 213.857 Recovery = 96.34%

All analyte(s) passed QC.

Sequence No.: 13
Sample ID: wash
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 8/16/2006 5:26:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: wash

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2216857.2	2216857.2	1.00	mg/L			17:28:23
1	Ag 328.068†	718.0	-39.6	0.0008	mg/L	0.0008	mg/L	17:28:28
1	Al 237.313†	-305.1	48.1	0.0145	mg/L	0.0145	mg/L	17:28:49
1	As 188.979†	-4.2	3.0	0.0070	mg/L	0.0070	mg/L	17:28:49
1	B 182.528†	-31.5	1.2	0.0044	mg/L	0.0044	mg/L	17:28:49
1	Ba 233.527†	336.3	1.8	0.0004	mg/L	0.0004	mg/L	17:28:49
1	Be 313.107†	2938.6	30.5	0.0000	mg/L	0.0000	mg/L	17:28:28
1	Ca 315.886†	388.7	920.7	-0.0046	mg/L	-0.0046	mg/L	17:28:28
1	Cd 228.802†	687.6	61.0	0.0007	mg/L	0.0007	mg/L	17:28:49
1	Co 228.616†	-140.8	-15.8	-0.0012	mg/L	-0.0012	mg/L	17:28:49
1	Cr 267.716†	1830.8	65.9	0.0006	mg/L	0.0006	mg/L	17:28:28
1	Cu 324.752†	2058.7	227.3	0.0042	mg/L	0.0042	mg/L	17:28:28
1	Fe 238.204†	2729.3	2114.9	0.0168	mg/L	0.0168	mg/L	17:28:28
1	Fe 234.349†	1163.0	591.0	0.0192	mg/L	0.0192	mg/L	17:28:49
1	Mg 279.077†	-1085.4	297.0	0.0220	mg/L	0.0220	mg/L	17:28:28
1	Mn 257.610†	1251.7	-16.7	-0.0018	mg/L	-0.0018	mg/L	17:28:28
1	Mo 202.031†	94.1	-1.7	0.0022	mg/L	0.0022	mg/L	17:28:49
1	Na 330.237†	2362.8	21.9	0.6830	mg/L	0.6830	mg/L	17:28:28
1	Ni 231.604†	213.8	39.9	0.0004	mg/L	0.0004	mg/L	17:28:49
1	Pb 220.353†	52.3	19.1	0.0026	mg/L	0.0026	mg/L	17:28:49
1	Sb 206.836†	46.7	1.4	0.0031	mg/L	0.0031	mg/L	17:28:49
1	Se 196.026†	-16.8	0.7	0.0056	mg/L	0.0056	mg/L	17:28:49
1	Sn 189.927†	72.6	-30.5	-0.0156	mg/L	-0.0156	mg/L	17:28:49
1	Ti 337.279†	-273.7	51.9	-0.0007	mg/L	-0.0007	mg/L	17:28:28
1	Tl 190.801†	-20.3	6.6	0.0155	mg/L	0.0155	mg/L	17:28:49
1	V 292.402†	3029.5	22.0	0.0009	mg/L	0.0009	mg/L	17:28:28
1	Zn 213.857†	1262.6	212.5	0.0017	mg/L	0.0017	mg/L	17:28:49
2	Y 360.073	2235102.5	2235102.5	1.01	mg/L			17:28:54
2	Ag 328.068†	693.9	-69.4	0.0007	mg/L	0.0007	mg/L	17:29:00
2	Al 237.313†	-309.4	46.3	0.0142	mg/L	0.0142	mg/L	17:29:20
2	As 188.979†	-6.6	0.6	0.0032	mg/L	0.0032	mg/L	17:29:20
2	B 182.528†	-41.9	-8.9	-0.0049	mg/L	-0.0049	mg/L	17:29:20
2	Ba 233.527†	307.3	-29.8	0.0002	mg/L	0.0002	mg/L	17:29:20
2	Be 313.107†	2845.1	-86.0	0.0000	mg/L	0.0000	mg/L	17:29:00
2	Ca 315.886†	267.2	797.3	-0.0055	mg/L	-0.0055	mg/L	17:29:00
2	Cd 228.802†	666.2	34.3	0.0004	mg/L	0.0004	mg/L	17:29:20
2	Co 228.616†	-148.2	-22.0	-0.0013	mg/L	-0.0013	mg/L	17:29:20
2	Cr 267.716†	1838.2	58.4	0.0005	mg/L	0.0005	mg/L	17:29:00
2	Cu 324.752†	2033.6	185.7	0.0040	mg/L	0.0040	mg/L	17:29:00
2	Fe 238.204†	2505.5	1871.1	0.0148	mg/L	0.0148	mg/L	17:29:00
2	Fe 234.349†	1139.1	557.9	0.0183	mg/L	0.0183	mg/L	17:29:20
2	Mg 279.077†	-992.2	398.2	0.0270	mg/L	0.0270	mg/L	17:29:00
2	Mn 257.610†	1337.2	57.7	-0.0017	mg/L	-0.0017	mg/L	17:29:00
2	Mo 202.031†	90.4	-6.1	0.0018	mg/L	0.0018	mg/L	17:29:20
2	Na 330.237†	2326.3	-33.5	0.6110	mg/L	0.6110	mg/L	17:29:00
2	Ni 231.604†	187.2	11.8	-0.0001	mg/L	-0.0001	mg/L	17:29:20
2	Pb 220.353†	25.0	-8.3	-0.0004	mg/L	-0.0004	mg/L	17:29:20
2	Sb 206.836†	35.2	-10.4	-0.0002	mg/L	-0.0002	mg/L	17:29:20
2	Se 196.026†	-20.7	-3.0	0.0000	mg/L	0.0000	mg/L	17:29:20
2	Sn 189.927†	76.1	-27.6	-0.0146	mg/L	-0.0146	mg/L	17:29:20
2	Ti 337.279†	-92.6	233.3	-0.0004	mg/L	-0.0004	mg/L	17:29:00
2	Tl 190.801†	-19.2	7.9	0.0166	mg/L	0.0166	mg/L	17:29:20
2	V 292.402†	2980.7	-51.0	0.0006	mg/L	0.0006	mg/L	17:29:00
2	Zn 213.857†	1228.5	168.5	0.0012	mg/L	0.0012	mg/L	17:29:20

Mean Data: wash

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2225979.8	1.01	mg/L	0.006				0.58%
Ag 328.068†	-54.5	0.0007	mg/L	0.00007	0.0007	mg/L	0.00007	9.85%
Al 237.313†	47.2	0.0143	mg/L	0.00016	0.0143	mg/L	0.00016	1.14%
As 188.979†	1.8	0.0051	mg/L	0.00266	0.0051	mg/L	0.00266	51.86%
B 182.528†	-3.9	-0.0002	mg/L	0.00662	-0.0002	mg/L	0.00662	>999.9%
Ba 233.527†	-14.0	0.0003	mg/L	0.00012	0.0003	mg/L	0.00012	42.37%
Be 313.107†	-27.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	50.57%
Ca 315.886†	859.0	-0.0050	mg/L	0.00065	-0.0050	mg/L	0.00065	12.86%
Cd 228.802†	47.7	0.0006	mg/L	0.00023	0.0006	mg/L	0.00023	39.66%
Co 228.616†	-18.9	-0.0012	mg/L	0.00007	-0.0012	mg/L	0.00007	5.38%
Cr 267.716†	62.1	0.0006	mg/L	0.00004	0.0006	mg/L	0.00004	7.02%
Cu 324.752†	206.5	0.0041	mg/L	0.00013	0.0041	mg/L	0.00013	3.17%
Fe 238.204†	1993.0	0.0158	mg/L	0.00137	0.0158	mg/L	0.00137	8.66%
Fe 234.349†	574.4	0.0187	mg/L	0.00064	0.0187	mg/L	0.00064	3.41%
Mg 279.077†	347.6	0.0245	mg/L	0.00348	0.0245	mg/L	0.00348	14.20%
Mn 257.610†	20.5	-0.0017	mg/L	0.00005	-0.0017	mg/L	0.00005	2.99%
Mo 202.031†	-3.9	0.0020	mg/L	0.00027	0.0020	mg/L	0.00027	13.86%
Na 330.237†	-5.8	0.6470	mg/L	0.05086	0.6470	mg/L	0.05086	7.86%
Ni 231.604†	25.9	0.0001	mg/L	0.00038	0.0001	mg/L	0.00038	288.33%
Pb 220.353†	5.4	0.0011	mg/L	0.00210	0.0011	mg/L	0.00210	188.93%
Sb 206.836†	-4.5	0.0014	mg/L	0.00234	0.0014	mg/L	0.00234	166.12%
Se 196.026†	-1.1	0.0028	mg/L	0.00395	0.0028	mg/L	0.00395	141.89%
Sn 189.927†	-29.1	-0.0151	mg/L	0.00074	-0.0151	mg/L	0.00074	4.93%
Ti 337.279†	142.6	-0.0005	mg/L	0.00022	-0.0005	mg/L	0.00022	41.73%
Tl 190.801†	7.3	0.0161	mg/L	0.00078	0.0161	mg/L	0.00078	4.83%
V 292.402†	-14.5	0.0007	mg/L	0.00025	0.0007	mg/L	0.00025	33.64%
Zn 213.857†	190.5	0.0014	mg/L	0.00034	0.0014	mg/L	0.00034	23.75%

2	Sb 206.836†	1875.2	1810.8	0.5021 mg/L	0.5021 mg/L	18:06:11
2	Se 196.026†	665.9	676.6	1.032 mg/L	1.032 mg/L	18:06:11
2	Sn 189.927†	1535.7	1417.0	0.5112 mg/L	0.5112 mg/L	18:06:11
2	Ti 337.279†	302764.7	299990.2	0.5084 mg/L	0.5084 mg/L	18:05:46
2	Tl 190.801†	560.5	581.6	0.4915 mg/L	0.4915 mg/L	18:06:11
2	V 292.402†	110971.2	106833.9	0.5122 mg/L	0.5122 mg/L	18:05:51
2	Zn 213.857†	47711.5	46175.5	0.5104 mg/L	0.5104 mg/L	18:05:51

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2238832.0	1.01	mg/L	0.002				0.23%
Ag 328.068†	73449.3	0.2540	mg/L	0.00053	0.2540	mg/L	0.00053	0.21%
QC value within limits for Ag 328.068 Recovery = 101.60%								
Al 237.313†	19672.4	2.521	mg/L	0.0012	2.521	mg/L	0.0012	0.05%
QC value within limits for Al 237.313 Recovery = 100.82%								
As 188.979†	329.0	0.5203	mg/L	0.00687	0.5203	mg/L	0.00687	1.32%
QC value within limits for As 188.979 Recovery = 104.07%								
B 182.528†	531.9	0.4989	mg/L	0.01136	0.4989	mg/L	0.01136	2.28%
QC value within limits for B 182.528 Recovery = 99.78%								
Ba 233.527†	93952.9	0.5095	mg/L	0.00174	0.5095	mg/L	0.00174	0.34%
QC value within limits for Ba 233.527 Recovery = 101.91%								
Be 313.107†	261645.0	0.0511	mg/L	0.00004	0.0511	mg/L	0.00004	0.08%
QC value within limits for Be 313.107 Recovery = 102.29%								
Ca 315.886†	692139.6	5.121	mg/L	0.0000	5.121	mg/L	0.0000	0.00%
QC value within limits for Ca 315.886 Recovery = 102.43%								
Cd 228.802†	20396.8	0.2549	mg/L	0.00073	0.2549	mg/L	0.00073	0.29%
QC value within limits for Cd 228.802 Recovery = 101.95%								
Co 228.616†	35040.2	0.5121	mg/L	0.00172	0.5121	mg/L	0.00172	0.34%
QC value within limits for Co 228.616 Recovery = 102.41%								
Cr 267.716†	68544.6	0.5120	mg/L	0.00168	0.5120	mg/L	0.00168	0.33%
QC value within limits for Cr 267.716 Recovery = 102.41%								
Cu 324.752†	114221.0	0.5026	mg/L	0.00172	0.5026	mg/L	0.00172	0.34%
QC value within limits for Cu 324.752 Recovery = 100.53%								
Fe 238.204†	322982.5	2.562	mg/L	0.0051	2.562	mg/L	0.0051	0.20%
QC value within limits for Fe 238.204 Recovery = 102.49%								
Fe 234.349†	92982.6	2.544	mg/L	0.0036	2.544	mg/L	0.0036	0.14%
QC value within limits for Fe 234.349 Recovery = 101.77%								
Mg 279.077†	105125.3	5.112	mg/L	0.0147	5.112	mg/L	0.0147	0.29%
QC value within limits for Mg 279.077 Recovery = 102.24%								
Mn 257.610†	517895.2	0.5130	mg/L	0.00054	0.5130	mg/L	0.00054	0.11%
QC value within limits for Mn 257.610 Recovery = 102.59%								
Mo 202.031†	5821.9	0.5084	mg/L	0.00628	0.5084	mg/L	0.00628	1.23%
QC value within limits for Mo 202.031 Recovery = 101.69%								
Na 330.237†	18283.6	24.43	mg/L	0.023	24.43	mg/L	0.023	0.09%
QC value within limits for Na 330.237 Recovery = 97.72%								
Ni 231.604†	26778.8	0.5136	mg/L	0.00224	0.5136	mg/L	0.00224	0.44%
QC value within limits for Ni 231.604 Recovery = 102.72%								
Pb 220.353†	4737.2	0.5144	mg/L	0.00370	0.5144	mg/L	0.00370	0.72%
QC value within limits for Pb 220.353 Recovery = 102.89%								
Sb 206.836†	1798.9	0.4988	mg/L	0.00473	0.4988	mg/L	0.00473	0.95%
QC value within limits for Sb 206.836 Recovery = 99.75%								
Se 196.026†	672.2	1.026	mg/L	0.0094	1.026	mg/L	0.0094	0.92%
QC value within limits for Se 196.026 Recovery = 102.55%								
Sn 189.927†	1413.1	0.5097	mg/L	0.00200	0.5097	mg/L	0.00200	0.39%
QC value within limits for Sn 189.927 Recovery = 101.95%								
Ti 337.279†	300206.5	0.5088	mg/L	0.00052	0.5088	mg/L	0.00052	0.10%
QC value within limits for Ti 337.279 Recovery = 101.76%								
Tl 190.801†	563.6	0.4765	mg/L	0.02118	0.4765	mg/L	0.02118	4.45%
QC value within limits for Tl 190.801 Recovery = 95.31%								
V 292.402†	107082.6	0.5134	mg/L	0.00168	0.5134	mg/L	0.00168	0.33%
QC value within limits for V 292.402 Recovery = 102.69%								
Zn 213.857†	46225.9	0.5110	mg/L	0.00078	0.5110	mg/L	0.00078	0.15%
QC value within limits for Zn 213.857 Recovery = 102.20%								

All analyte(s) passed QC.

Sequence No.: 2
Sample ID: ICCB
Analyst:

Autosampler Location: 1
Date Collected: 8/16/2006 6:07:49 PM
Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: ICCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Y 360.073	2195142.1	2195142.1	0.992	mg/L			18:09:20
1	Ag 328.068†	723.8	-26.8	0.0008	mg/L	0.0008	mg/L	18:09:26
1	Al 237.313†	-376.2	-26.5	0.0049	mg/L	0.0049	mg/L	18:09:46
1	As 188.979†	-6.8	0.3	0.0027	mg/L	0.0027	mg/L	18:09:46
1	B 182.528†	-28.7	3.6	0.0067	mg/L	0.0067	mg/L	18:09:46
1	Ba 233.527†	344.8	13.5	0.0004	mg/L	0.0004	mg/L	18:09:46
1	Be 313.107†	2770.8	-109.6	0.0000	mg/L	0.0000	mg/L	18:09:26
1	Ca 315.886†	-395.7	133.9	-0.0104	mg/L	-0.0104	mg/L	18:09:26
1	Cd 228.802†	648.4	28.3	0.0003	mg/L	0.0003	mg/L	18:09:46
1	Co 228.616†	-153.4	-29.9	-0.0014	mg/L	-0.0014	mg/L	18:09:46
1	Cr 267.716†	1751.7	4.4	0.0001	mg/L	0.0001	mg/L	18:09:26
1	Cu 324.752†	1928.4	116.3	0.0037	mg/L	0.0037	mg/L	18:09:26
1	Fe 238.204†	934.5	332.9	0.0026	mg/L	0.0026	mg/L	18:09:46
1	Fe 234.349†	671.6	107.2	0.0059	mg/L	0.0059	mg/L	18:09:46
1	Mg 279.077†	-1302.4	67.6	0.0109	mg/L	0.0109	mg/L	18:09:26
1	Mn 257.610†	1155.3	-101.5	-0.0019	mg/L	-0.0019	mg/L	18:09:26
1	Mo 202.031†	108.0	13.3	0.0035	mg/L	0.0035	mg/L	18:09:46
1	Na 330.237†	2262.7	-55.7	0.5822	mg/L	0.5822	mg/L	18:09:26
1	Ni 231.604†	209.7	37.9	0.0004	mg/L	0.0004	mg/L	18:09:46
1	Pb 220.353†	42.3	9.5	0.0016	mg/L	0.0016	mg/L	18:09:46
1	Sb 206.836†	38.1	-6.8	0.0008	mg/L	0.0008	mg/L	18:09:46
1	Se 196.026†	-18.1	-0.8	0.0033	mg/L	0.0033	mg/L	18:09:46
1	Sn 189.927†	45.9	-56.7	-0.0251	mg/L	-0.0251	mg/L	18:09:46
1	Ti 337.279†	-223.0	100.2	-0.0006	mg/L	-0.0006	mg/L	18:09:26
1	Tl 190.801†	-6.8	20.1	0.0267	mg/L	0.0267	mg/L	18:09:46
1	V 292.402†	3043.8	66.4	0.0011	mg/L	0.0011	mg/L	18:09:26
1	Zn 213.857†	1052.7	13.4	-0.0005	mg/L	-0.0005	mg/L	18:09:46
2	Y 360.073	2217194.0	2217194.0	1.00	mg/L			18:09:52
2	Ag 328.068†	670.6	-87.1	0.0006	mg/L	0.0006	mg/L	18:09:57
2	Al 237.313†	-349.7	3.7	0.0088	mg/L	0.0088	mg/L	18:10:17
2	As 188.979†	-5.7	1.5	0.0046	mg/L	0.0046	mg/L	18:10:17
2	B 182.528†	-24.4	8.2	0.0110	mg/L	0.0110	mg/L	18:10:17
2	Ba 233.527†	322.3	-12.4	0.0003	mg/L	0.0003	mg/L	18:10:17
2	Be 313.107†	2805.0	-103.3	0.0000	mg/L	0.0000	mg/L	18:09:57
2	Ca 315.886†	-505.2	28.7	-0.0112	mg/L	-0.0112	mg/L	18:09:57
2	Cd 228.802†	636.4	9.8	0.0001	mg/L	0.0001	mg/L	18:10:17
2	Co 228.616†	-137.5	-12.5	-0.0011	mg/L	-0.0011	mg/L	18:10:17
2	Cr 267.716†	1800.0	34.9	0.0004	mg/L	0.0004	mg/L	18:09:57
2	Cu 324.752†	1975.6	144.1	0.0038	mg/L	0.0038	mg/L	18:09:57
2	Fe 238.204†	912.7	301.9	0.0024	mg/L	0.0024	mg/L	18:10:17
2	Fe 234.349†	635.0	64.0	0.0047	mg/L	0.0047	mg/L	18:10:17
2	Mg 279.077†	-1344.3	38.9	0.0095	mg/L	0.0095	mg/L	18:09:57
2	Mn 257.610†	1182.9	-85.6	-0.0019	mg/L	-0.0019	mg/L	18:09:57
2	Mo 202.031†	107.5	11.7	0.0033	mg/L	0.0033	mg/L	18:10:17
2	Na 330.237†	2310.5	-30.6	0.6149	mg/L	0.6149	mg/L	18:09:57
2	Ni 231.604†	190.6	16.7	0.0000	mg/L	0.0000	mg/L	18:10:17
2	Pb 220.353†	44.2	11.1	0.0017	mg/L	0.0017	mg/L	18:10:17
2	Sb 206.836†	44.8	-0.5	0.0025	mg/L	0.0025	mg/L	18:10:17
2	Se 196.026†	-9.9	7.6	0.0161	mg/L	0.0161	mg/L	18:10:17
2	Sn 189.927†	55.4	-47.7	-0.0219	mg/L	-0.0219	mg/L	18:10:17
2	Ti 337.279†	-208.4	117.1	-0.0006	mg/L	-0.0006	mg/L	18:09:57
2	Tl 190.801†	-11.5	15.5	0.0229	mg/L	0.0229	mg/L	18:10:17
2	V 292.402†	3067.5	59.5	0.0011	mg/L	0.0011	mg/L	18:09:57
2	Zn 213.857†	1044.7	-5.1	-0.0007	mg/L	-0.0007	mg/L	18:10:17

Mean Data: ICCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2206168.1	0.997	mg/L	0.0070				0.71%
Ag 328.068†	-56.9	0.0007	mg/L	0.00015	0.0007	mg/L	0.00015	20.18%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 237.313†	-11.4	0.0069	mg/L	0.00275	0.0069	mg/L	0.00275	39.99%
QC value within limits for Al 237.313 Recovery = Not calculated								

As 188.979†	0.9	0.0037 mg/L	0.00135	0.0037 mg/L	0.00135	36.59%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	5.9	0.0089 mg/L	0.00301	0.0089 mg/L	0.00301	33.94%
QC value within limits for B 182.528 Recovery = Not calculated						
Ba 233.527†	0.6	0.0004 mg/L	0.00010	0.0004 mg/L	0.00010	27.29%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	-106.5	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	1.87%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.886†	81.3	-0.0108 mg/L	0.00055	-0.0108 mg/L	0.00055	5.11%
QC value within limits for Ca 315.886 Recovery = Not calculated						
Cd 228.802†	19.1	0.0002 mg/L	0.00017	0.0002 mg/L	0.00017	74.97%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	-21.2	-0.0012 mg/L	0.00018	-0.0012 mg/L	0.00018	14.59%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	19.7	0.0003 mg/L	0.00016	0.0003 mg/L	0.00016	63.77%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	130.2	0.0037 mg/L	0.00009	0.0037 mg/L	0.00009	2.30%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 238.204†	317.4	0.0025 mg/L	0.00017	0.0025 mg/L	0.00017	6.93%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Fe 234.349†	85.6	0.0053 mg/L	0.00083	0.0053 mg/L	0.00083	15.69%
QC value within limits for Fe 234.349 Recovery = Not calculated						
Mg 279.077†	53.2	0.0102 mg/L	0.00099	0.0102 mg/L	0.00099	9.64%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Mn 257.610†	-93.6	-0.0019 mg/L	0.00001	-0.0019 mg/L	0.00001	0.60%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	12.5	0.0034 mg/L	0.00010	0.0034 mg/L	0.00010	3.02%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 330.237†	-43.1	0.5986 mg/L	0.02309	0.5986 mg/L	0.02309	3.86%
QC value within limits for Na 330.237 Recovery = Not calculated						
Ni 231.604†	27.3	0.0002 mg/L	0.00029	0.0002 mg/L	0.00029	179.79%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	10.3	0.0016 mg/L	0.00012	0.0016 mg/L	0.00012	7.00%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-3.7	0.0016 mg/L	0.00125	0.0016 mg/L	0.00125	76.10%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	3.4	0.0097 mg/L	0.00900	0.0097 mg/L	0.00900	92.68%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-52.2	-0.0235 mg/L	0.00231	-0.0235 mg/L	0.00231	9.82%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 337.279†	108.7	-0.0006 mg/L	0.00002	-0.0006 mg/L	0.00002	3.49%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	17.8	0.0248 mg/L	0.00269	0.0248 mg/L	0.00269	10.87%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	62.9	0.0011 mg/L	0.00002	0.0011 mg/L	0.00002	2.00%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 213.857†	4.2	-0.0006 mg/L	0.00014	-0.0006 mg/L	0.00014	23.02%
QC value within limits for Zn 213.857 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 3
Sample ID: BH61616-BLK1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 8/16/2006 6:11:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: BH61616-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2253969.8	2253969.8	1.02	mg/L			18:13:26
1	Ag 328.068†	827.2	55.7	0.0011	mg/L	0.0011	mg/L	18:13:32
1	Al 237.313†	-327.6	31.0	0.0123	mg/L	0.0123	mg/L	18:13:52
1	As 188.979†	-9.1	-1.7	-0.0004	mg/L	-0.0004	mg/L	18:13:52
1	B 182.528†	-40.1	-6.8	-0.0030	mg/L	-0.0030	mg/L	18:13:52
1	Ba 233.527†	347.1	6.8	0.0004	mg/L	0.0004	mg/L	18:13:52
1	Be 313.107†	2750.8	-202.1	-0.0001	mg/L	-0.0001	mg/L	18:13:32
1	Ca 315.886†	5049.2	5488.7	0.0293	mg/L	0.0293	mg/L	18:13:32
1	Cd 228.802†	676.6	39.0	0.0005	mg/L	0.0005	mg/L	18:13:52
1	Co 228.616†	-132.8	-5.6	-0.0010	mg/L	-0.0010	mg/L	18:13:52

1	Cr 267.716†	2355.1	550.6	0.0042 mg/L	0.0042 mg/L	18:13:32
1	Cu 324.752†	1901.0	38.7	0.0033 mg/L	0.0033 mg/L	18:13:32
1	Fe 238.204†	2129.3	1481.1	0.0117 mg/L	0.0117 mg/L	18:13:32
1	Fe 234.349†	1063.1	473.8	0.0159 mg/L	0.0159 mg/L	18:13:52
1	Mg 279.077†	-1321.4	83.3	0.0117 mg/L	0.0117 mg/L	18:13:32
1	Mn 257.610†	1616.9	321.2	-0.0014 mg/L	-0.0014 mg/L	18:13:32
1	Mo 202.031†	120.0	22.3	0.0042 mg/L	0.0042 mg/L	18:13:52
1	Na 330.237†	3121.1	727.4	1.601 mg/L	1.601 mg/L	18:13:32
1	Ni 231.604†	238.8	61.0	0.0008 mg/L	0.0008 mg/L	18:13:52
1	Pb 220.353†	46.2	12.2	0.0019 mg/L	0.0019 mg/L	18:13:52
1	Sb 206.836†	52.9	6.7	0.0045 mg/L	0.0045 mg/L	18:13:52
1	Se 196.026†	-20.5	-2.6	0.0005 mg/L	0.0005 mg/L	18:13:52
1	Sn 189.927†	72.1	-32.3	-0.0163 mg/L	-0.0163 mg/L	18:13:52
1	Ti 337.279†	32.8	357.1	-0.0002 mg/L	-0.0002 mg/L	18:13:32
1	Tl 190.801†	-18.2	9.0	0.0175 mg/L	0.0175 mg/L	18:13:52
1	V 292.402†	3019.2	-37.8	0.0006 mg/L	0.0006 mg/L	18:13:32
1	Zn 213.857†	1212.0	142.2	0.0009 mg/L	0.0009 mg/L	18:13:52
2	Y 360.073	2252139.7	2252139.7	1.02 mg/L		18:13:57
2	Ag 328.068†	690.9	-77.6	0.0007 mg/L	0.0007 mg/L	18:14:03
2	Al 237.313†	-362.2	-3.1	0.0079 mg/L	0.0079 mg/L	18:14:23
2	As 188.979†	-8.4	-1.1	0.0006 mg/L	0.0006 mg/L	18:14:23
2	B 182.528†	-32.8	0.3	0.0036 mg/L	0.0036 mg/L	18:14:23
2	Ba 233.527†	351.4	11.3	0.0004 mg/L	0.0004 mg/L	18:14:23
2	Be 313.107†	2902.6	-50.8	0.0000 mg/L	0.0000 mg/L	18:14:03
2	Ca 315.886†	5118.4	5560.8	0.0298 mg/L	0.0298 mg/L	18:14:03
2	Cd 228.802†	640.8	4.3	0.0000 mg/L	0.0000 mg/L	18:14:23
2	Co 228.616†	-129.2	-2.3	-0.0010 mg/L	-0.0010 mg/L	18:14:23
2	Cr 267.716†	2284.7	483.3	0.0037 mg/L	0.0037 mg/L	18:14:03
2	Cu 324.752†	1870.6	10.4	0.0032 mg/L	0.0032 mg/L	18:14:03
2	Fe 238.204†	2192.5	1544.9	0.0122 mg/L	0.0122 mg/L	18:14:03
2	Fe 234.349†	1049.9	461.6	0.0156 mg/L	0.0156 mg/L	18:14:23
2	Mg 279.077†	-1302.0	101.3	0.0125 mg/L	0.0125 mg/L	18:14:03
2	Mn 257.610†	1620.4	325.8	-0.0014 mg/L	-0.0014 mg/L	18:14:03
2	Mo 202.031†	123.0	25.3	0.0045 mg/L	0.0045 mg/L	18:14:23
2	Na 330.237†	3166.2	774.1	1.662 mg/L	1.662 mg/L	18:14:03
2	Ni 231.604†	247.2	69.4	0.0010 mg/L	0.0010 mg/L	18:14:23
2	Pb 220.353†	39.8	6.0	0.0012 mg/L	0.0012 mg/L	18:14:23
2	Sb 206.836†	46.9	0.8	0.0029 mg/L	0.0029 mg/L	18:14:23
2	Se 196.026†	-13.2	4.5	0.0113 mg/L	0.0113 mg/L	18:14:23
2	Sn 189.927†	82.8	-21.7	-0.0124 mg/L	-0.0124 mg/L	18:14:23
2	Ti 337.279†	56.4	380.4	-0.0001 mg/L	-0.0001 mg/L	18:14:03
2	Tl 190.801†	-17.9	9.3	0.0178 mg/L	0.0178 mg/L	18:14:23
2	V 292.402†	2998.6	-55.6	0.0006 mg/L	0.0006 mg/L	18:14:03
2	Zn 213.857†	1196.9	128.2	0.0008 mg/L	0.0008 mg/L	18:14:23

Mean Data: BH61616-BLK1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2253054.8	1.02	mg/L	0.001				0.06%
Ag 328.068†	-10.9	0.0009	mg/L	0.00032	0.0009	mg/L	0.00032	36.62%
Al 237.313†	14.0	0.0101	mg/L	0.00311	0.0101	mg/L	0.00311	30.86%
As 188.979†	-1.4	0.0001	mg/L	0.00070	0.0001	mg/L	0.00070	702.84%
B 182.528†	-3.3	0.0003	mg/L	0.00467	0.0003	mg/L	0.00467	>999.9%
Ba 233.527†	9.1	0.0004	mg/L	0.00002	0.0004	mg/L	0.00002	4.23%
Be 313.107†	-126.5	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	41.04%
Ca 315.886†	5524.8	0.0296	mg/L	0.00038	0.0296	mg/L	0.00038	1.28%
Cd 228.802†	21.6	0.0003	mg/L	0.00031	0.0003	mg/L	0.00031	116.09%
Co 228.616†	-3.9	-0.0010	mg/L	0.00004	-0.0010	mg/L	0.00004	3.54%
Cr 267.716†	516.9	0.0040	mg/L	0.00036	0.0040	mg/L	0.00036	8.96%
Cu 324.752†	24.5	0.0033	mg/L	0.00009	0.0033	mg/L	0.00009	2.69%
Fe 238.204†	1513.0	0.0120	mg/L	0.00036	0.0120	mg/L	0.00036	2.98%
Fe 234.349†	467.7	0.0158	mg/L	0.00024	0.0158	mg/L	0.00024	1.50%
Mg 279.077†	92.3	0.0121	mg/L	0.00062	0.0121	mg/L	0.00062	5.11%
Mn 257.610†	323.5	-0.0014	mg/L	0.00000	-0.0014	mg/L	0.00000	0.23%
Mo 202.031†	23.8	0.0044	mg/L	0.00018	0.0044	mg/L	0.00018	4.22%
Na 330.237†	750.8	1.631	mg/L	0.0430	1.631	mg/L	0.0430	2.64%
Ni 231.604†	65.2	0.0009	mg/L	0.00011	0.0009	mg/L	0.00011	12.88%
Pb 220.353†	9.1	0.0015	mg/L	0.00048	0.0015	mg/L	0.00048	31.41%
Sb 206.836†	3.8	0.0037	mg/L	0.00117	0.0037	mg/L	0.00117	31.73%
Se 196.026†	0.9	0.0059	mg/L	0.00761	0.0059	mg/L	0.00761	129.16%

Sn 189.927†	-27.0	-0.0143 mg/L	0.00272	-0.0143 mg/L	0.00272	18.95%
Ti 337.279†	368.8	-0.0001 mg/L	0.00003	-0.0001 mg/L	0.00003	20.27%
Tl 190.801†	9.2	0.0176 mg/L	0.00017	0.0176 mg/L	0.00017	0.99%
V 292.402†	-46.7	0.0006 mg/L	0.00006	0.0006 mg/L	0.00006	10.38%
Zn 213.857†	135.2	0.0008 mg/L	0.00011	0.0008 mg/L	0.00011	13.33%

Sequence No.: 4
Sample ID: BH61616-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 8/16/2006 6:15:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: BH61616-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2245274.3	2245274.3	1.01	mg/L			18:17:32
1	Ag 328.068†	73778.0	71939.9	0.2488	mg/L	0.2488	mg/L	18:17:38
1	Al 237.313†	18874.3	18950.2	2.428	mg/L	2.428	mg/L	18:17:38
1	As 188.979†	299.4	302.2	0.4784	mg/L	0.4784	mg/L	18:17:58
1	B 182.528†	463.2	488.9	0.4589	mg/L	0.4589	mg/L	18:17:58
1	Ba 233.527†	93985.1	92273.0	0.5004	mg/L	0.5004	mg/L	18:17:38
1	Be 313.107†	265076.0	258287.0	0.0505	mg/L	0.0505	mg/L	18:17:32
1	Ca 315.886†	711675.3	701772.4	5.193	mg/L	5.193	mg/L	18:17:32
1	Cd 228.802†	20376.5	19452.6	0.2431	mg/L	0.2431	mg/L	18:17:38
1	Co 228.616†	34768.2	34383.1	0.5024	mg/L	0.5024	mg/L	18:17:38
1	Cr 267.716†	71614.0	68802.7	0.5140	mg/L	0.5140	mg/L	18:17:38
1	Cu 324.752†	116388.2	112854.4	0.4967	mg/L	0.4967	mg/L	18:17:38
1	Fe 238.204†	330365.2	324912.0	2.578	mg/L	2.578	mg/L	18:17:38
1	Fe 234.349†	95366.1	93398.0	2.556	mg/L	2.556	mg/L	18:17:38
1	Mg 279.077†	101761.4	101649.4	4.943	mg/L	4.943	mg/L	18:17:38
1	Mn 257.610†	526563.4	517576.2	0.5127	mg/L	0.5127	mg/L	18:17:32
1	Mo 202.031†	6129.5	5944.0	0.5190	mg/L	0.5190	mg/L	18:17:58
1	Na 330.237†	20245.6	17612.6	23.56	mg/L	23.56	mg/L	18:17:38
1	Ni 231.604†	27130.5	26559.2	0.5094	mg/L	0.5094	mg/L	18:17:38
1	Pb 220.353†	4702.2	4600.2	0.4997	mg/L	0.4997	mg/L	18:17:58
1	Sb 206.836†	1804.0	1732.3	0.4801	mg/L	0.4801	mg/L	18:17:58
1	Se 196.026†	589.1	597.9	0.9127	mg/L	0.9127	mg/L	18:17:58
1	Sn 189.927†	1567.8	1441.8	0.5202	mg/L	0.5202	mg/L	18:17:58
1	Ti 337.279†	317246.1	312919.1	0.5304	mg/L	0.5304	mg/L	18:17:32
1	Tl 190.801†	570.8	589.3	0.4980	mg/L	0.4980	mg/L	18:17:58
1	V 292.402†	110475.1	105853.9	0.5076	mg/L	0.5076	mg/L	18:17:38
1	Zn 213.857†	45505.0	43790.2	0.4839	mg/L	0.4839	mg/L	18:17:38
2	Y 360.073	2240215.3	2240215.3	1.01	mg/L			18:18:05
2	Ag 328.068†	73473.1	71803.0	0.2483	mg/L	0.2483	mg/L	18:18:10
2	Al 237.313†	18739.6	18859.1	2.416	mg/L	2.416	mg/L	18:18:10
2	As 188.979†	303.2	306.7	0.4855	mg/L	0.4855	mg/L	18:18:30
2	B 182.528†	483.2	509.7	0.4782	mg/L	0.4782	mg/L	18:18:30
2	Ba 233.527†	93620.6	92122.2	0.4996	mg/L	0.4996	mg/L	18:18:10
2	Be 313.107†	264658.8	258464.8	0.0505	mg/L	0.0505	mg/L	18:18:05
2	Ca 315.886†	709534.3	701241.7	5.189	mg/L	5.189	mg/L	18:18:05
2	Cd 228.802†	20302.8	19425.1	0.2427	mg/L	0.2427	mg/L	18:18:10
2	Co 228.616†	34681.9	34375.2	0.5023	mg/L	0.5023	mg/L	18:18:10
2	Cr 267.716†	71326.5	68678.2	0.5130	mg/L	0.5130	mg/L	18:18:10
2	Cu 324.752†	115496.8	112233.0	0.4939	mg/L	0.4939	mg/L	18:18:10
2	Fe 238.204†	329026.7	324325.3	2.573	mg/L	2.573	mg/L	18:18:10
2	Fe 234.349†	94927.4	93177.0	2.550	mg/L	2.550	mg/L	18:18:10
2	Mg 279.077†	101495.0	101612.8	4.941	mg/L	4.941	mg/L	18:18:10
2	Mn 257.610†	526289.6	518477.5	0.5136	mg/L	0.5136	mg/L	18:18:05
2	Mo 202.031†	6111.1	5939.6	0.5187	mg/L	0.5187	mg/L	18:18:30
2	Na 330.237†	20255.8	17667.8	23.63	mg/L	23.63	mg/L	18:18:10
2	Ni 231.604†	27003.7	26494.4	0.5081	mg/L	0.5081	mg/L	18:18:10
2	Pb 220.353†	4688.4	4597.0	0.4993	mg/L	0.4993	mg/L	18:18:30
2	Sb 206.836†	1792.1	1724.6	0.4780	mg/L	0.4780	mg/L	18:18:30
2	Se 196.026†	589.3	599.5	0.9150	mg/L	0.9150	mg/L	18:18:30
2	Sn 189.927†	1569.0	1446.5	0.5219	mg/L	0.5219	mg/L	18:18:30
2	Ti 337.279†	316415.6	312804.9	0.5302	mg/L	0.5302	mg/L	18:18:05
2	Tl 190.801†	576.2	595.9	0.5035	mg/L	0.5035	mg/L	18:18:30
2	V 292.402†	110255.9	105883.2	0.5077	mg/L	0.5077	mg/L	18:18:10
2	Zn 213.857†	45390.1	43778.0	0.4838	mg/L	0.4838	mg/L	18:18:10

Mean Data: BH61616-BS1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2242744.8	1.01	mg/L	0.002				0.16%
Ag 328.068†	71871.5	0.2486	mg/L	0.00033	0.2486	mg/L	0.00033	0.13%
Al 237.313†	18904.6	2.422	mg/L	0.0083	2.422	mg/L	0.0083	0.34%
As 188.979†	304.4	0.4819	mg/L	0.00497	0.4819	mg/L	0.00497	1.03%
B 182.528†	499.3	0.4685	mg/L	0.01369	0.4685	mg/L	0.01369	2.92%
Ba 233.527†	92197.6	0.5000	mg/L	0.00058	0.5000	mg/L	0.00058	0.12%
Be 313.107†	258375.9	0.0505	mg/L	0.00002	0.0505	mg/L	0.00002	0.05%
Ca 315.886†	701507.0	5.191	mg/L	0.0028	5.191	mg/L	0.0028	0.05%
Cd 228.802†	19438.9	0.2429	mg/L	0.00026	0.2429	mg/L	0.00026	0.11%
Co 228.616†	34379.2	0.5023	mg/L	0.00008	0.5023	mg/L	0.00008	0.02%
Cr 267.716†	68740.5	0.5135	mg/L	0.00066	0.5135	mg/L	0.00066	0.13%
Cu 324.752†	112543.7	0.4953	mg/L	0.00192	0.4953	mg/L	0.00192	0.39%
Fe 238.204†	324618.6	2.575	mg/L	0.0033	2.575	mg/L	0.0033	0.13%
Fe 234.349†	93287.5	2.553	mg/L	0.0043	2.553	mg/L	0.0043	0.17%
Mg 279.077†	101631.1	4.942	mg/L	0.0012	4.942	mg/L	0.0012	0.03%
Mn 257.610†	518026.9	0.5131	mg/L	0.00063	0.5131	mg/L	0.00063	0.12%
Mo 202.031†	5941.8	0.5188	mg/L	0.00028	0.5188	mg/L	0.00028	0.05%
Na 330.237†	17640.2	23.60	mg/L	0.051	23.60	mg/L	0.051	0.21%
Ni 231.604†	26526.8	0.5088	mg/L	0.00088	0.5088	mg/L	0.00088	0.17%
Pb 220.353†	4598.6	0.4995	mg/L	0.00025	0.4995	mg/L	0.00025	0.05%
Sb 206.836†	1728.5	0.4791	mg/L	0.00152	0.4791	mg/L	0.00152	0.32%
Se 196.026†	598.7	0.9139	mg/L	0.00162	0.9139	mg/L	0.00162	0.18%
Sn 189.927†	1444.2	0.5211	mg/L	0.00120	0.5211	mg/L	0.00120	0.23%
Ti 337.279†	312862.0	0.5303	mg/L	0.00014	0.5303	mg/L	0.00014	0.03%
Tl 190.801†	592.6	0.5008	mg/L	0.00387	0.5008	mg/L	0.00387	0.77%
V 292.402†	105868.5	0.5077	mg/L	0.00009	0.5077	mg/L	0.00009	0.02%
Zn 213.857†	43784.1	0.4838	mg/L	0.00009	0.4838	mg/L	0.00009	0.02%

Sequence No.: 5
Sample ID: BH61616-BSD1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 8/16/2006 6:20:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: BH61616-BSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Y 360.073	2243086.4	2243086.4	1.01	mg/L			18:21:42
1	Ag 328.068†	71366.3	69632.2	0.2408	mg/L	0.2408	mg/L	18:21:47
1	Al 237.313†	18295.5	18397.4	2.357	mg/L	2.357	mg/L	18:21:47
1	As 188.979†	296.8	299.9	0.4748	mg/L	0.4748	mg/L	18:22:07
1	B 182.528†	460.9	487.2	0.4572	mg/L	0.4572	mg/L	18:22:07
1	Ba 233.527†	91007.0	89426.1	0.4850	mg/L	0.4850	mg/L	18:21:47
1	Be 313.107†	255470.3	249067.6	0.0487	mg/L	0.0487	mg/L	18:21:42
1	Ca 315.886†	685019.7	676166.1	5.003	mg/L	5.003	mg/L	18:21:42
1	Cd 228.802†	19693.5	18798.5	0.2349	mg/L	0.2349	mg/L	18:21:47
1	Co 228.616†	33721.6	33384.2	0.4878	mg/L	0.4878	mg/L	18:21:47
1	Cr 267.716†	69338.6	66627.4	0.4977	mg/L	0.4977	mg/L	18:21:47
1	Cu 324.752†	112986.1	109610.7	0.4825	mg/L	0.4825	mg/L	18:21:47
1	Fe 238.204†	321220.9	316210.6	2.509	mg/L	2.509	mg/L	18:21:47
1	Fe 234.349†	92713.7	90873.6	2.487	mg/L	2.487	mg/L	18:21:47
1	Mg 279.077†	98499.8	98530.3	4.792	mg/L	4.792	mg/L	18:21:47
1	Mn 257.610†	508283.5	500052.9	0.4952	mg/L	0.4952	mg/L	18:21:42
1	Mo 202.031†	5938.9	5761.9	0.5032	mg/L	0.5032	mg/L	18:22:07
1	Na 330.237†	19603.1	16998.4	22.76	mg/L	22.76	mg/L	18:21:47
1	Ni 231.604†	26347.1	25812.6	0.4951	mg/L	0.4951	mg/L	18:21:47
1	Pb 220.353†	4572.7	4477.0	0.4863	mg/L	0.4863	mg/L	18:22:07
1	Sb 206.836†	1748.1	1678.9	0.4654	mg/L	0.4654	mg/L	18:22:07
1	Se 196.026†	577.6	587.1	0.8963	mg/L	0.8963	mg/L	18:22:07
1	Sn 189.927†	1525.5	1401.6	0.5056	mg/L	0.5056	mg/L	18:22:07
1	Ti 337.279†	305684.3	301820.7	0.5115	mg/L	0.5115	mg/L	18:21:42
1	Tl 190.801†	554.5	573.8	0.4851	mg/L	0.4851	mg/L	18:22:07
1	V 292.402†	107034.1	102566.1	0.4919	mg/L	0.4919	mg/L	18:21:47
1	Zn 213.857†	44123.7	42471.6	0.4693	mg/L	0.4693	mg/L	18:21:47

2	Y 360.073	2260186.5	2260186.5	1.02 mg/L		18:22:14
2	Ag 328.068†	72550.3	70258.6	0.2430 mg/L	0.2430 mg/L	18:22:20
2	Al 237.313†	18520.8	18481.4	2.368 mg/L	2.368 mg/L	18:22:20
2	As 188.979†	295.5	296.4	0.4693 mg/L	0.4693 mg/L	18:22:40
2	B 182.528†	462.1	484.9	0.4551 mg/L	0.4551 mg/L	18:22:40
2	Ba 233.527†	92314.6	90026.9	0.4883 mg/L	0.4883 mg/L	18:22:20
2	Be 313.107†	257419.5	249069.3	0.0487 mg/L	0.0487 mg/L	18:22:14
2	Ca 315.886†	690251.5	676175.4	5.003 mg/L	5.003 mg/L	18:22:14
2	Cd 228.802†	20038.1	18988.9	0.2373 mg/L	0.2373 mg/L	18:22:20
2	Co 228.616†	34107.3	33510.1	0.4896 mg/L	0.4896 mg/L	18:22:20
2	Cr 267.716†	70243.8	66996.0	0.5005 mg/L	0.5005 mg/L	18:22:20
2	Cu 324.752†	114316.8	110070.1	0.4845 mg/L	0.4845 mg/L	18:22:20
2	Fe 238.204†	325440.7	317944.0	2.522 mg/L	2.522 mg/L	18:22:20
2	Fe 234.349†	93858.8	91302.7	2.498 mg/L	2.498 mg/L	18:22:20
2	Mg 279.077†	99853.5	99120.4	4.820 mg/L	4.820 mg/L	18:22:20
2	Mn 257.610†	512256.2	500148.6	0.4953 mg/L	0.4953 mg/L	18:22:14
2	Mo 202.031†	5913.7	5693.0	0.4972 mg/L	0.4972 mg/L	18:22:40
2	Na 330.237†	19877.9	17121.1	22.92 mg/L	22.92 mg/L	18:22:20
2	Ni 231.604†	26607.4	25870.8	0.4962 mg/L	0.4962 mg/L	18:22:20
2	Pb 220.353†	4556.9	4427.4	0.4809 mg/L	0.4809 mg/L	18:22:40
2	Sb 206.836†	1738.3	1656.2	0.4591 mg/L	0.4591 mg/L	18:22:40
2	Se 196.026†	573.6	579.0	0.8839 mg/L	0.8839 mg/L	18:22:40
2	Sn 189.927†	1515.3	1380.3	0.4979 mg/L	0.4979 mg/L	18:22:40
2	Ti 337.279†	308713.8	302505.0	0.5127 mg/L	0.5127 mg/L	18:22:14
2	Tl 190.801†	573.3	588.0	0.4969 mg/L	0.4969 mg/L	18:22:40
2	V 292.402†	108602.0	103302.2	0.4954 mg/L	0.4954 mg/L	18:22:20
2	Zn 213.857†	44627.7	42635.7	0.4711 mg/L	0.4711 mg/L	18:22:20

Mean Data: BH61616-BSD1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2251636.4	1.02	mg/L	0.005				0.54%
Ag 328.068†	69945.4	0.2419	mg/L	0.00153	0.2419	mg/L	0.00153	0.63%
Al 237.313†	18439.4	2.362	mg/L	0.0076	2.362	mg/L	0.0076	0.32%
As 188.979†	298.2	0.4721	mg/L	0.00391	0.4721	mg/L	0.00391	0.83%
B 182.528†	486.0	0.4561	mg/L	0.00153	0.4561	mg/L	0.00153	0.33%
Ba 233.527†	89726.5	0.4866	mg/L	0.00230	0.4866	mg/L	0.00230	0.47%
Be 313.107†	249068.4	0.0487	mg/L	0.00000	0.0487	mg/L	0.00000	0.00%
Ca 315.886†	676170.7	5.003	mg/L	0.0000	5.003	mg/L	0.0000	0.00%
Cd 228.802†	18893.7	0.2361	mg/L	0.00171	0.2361	mg/L	0.00171	0.72%
Co 228.616†	33447.2	0.4887	mg/L	0.00130	0.4887	mg/L	0.00130	0.27%
Cr 267.716†	66811.7	0.4991	mg/L	0.00195	0.4991	mg/L	0.00195	0.39%
Cu 324.752†	109840.4	0.4835	mg/L	0.00142	0.4835	mg/L	0.00142	0.29%
Fe 238.204†	317077.3	2.515	mg/L	0.0097	2.515	mg/L	0.0097	0.39%
Fe 234.349†	91088.1	2.492	mg/L	0.0083	2.492	mg/L	0.0083	0.33%
Mg 279.077†	98825.4	4.806	mg/L	0.0203	4.806	mg/L	0.0203	0.42%
Mn 257.610†	500100.8	0.4953	mg/L	0.00007	0.4953	mg/L	0.00007	0.01%
Mo 202.031†	5727.5	0.5002	mg/L	0.00423	0.5002	mg/L	0.00423	0.85%
Na 330.237†	17059.8	22.84	mg/L	0.113	22.84	mg/L	0.113	0.49%
Ni 231.604†	25841.7	0.4956	mg/L	0.00079	0.4956	mg/L	0.00079	0.16%
Pb 220.353†	4452.2	0.4836	mg/L	0.00380	0.4836	mg/L	0.00380	0.79%
Sb 206.836†	1667.6	0.4622	mg/L	0.00449	0.4622	mg/L	0.00449	0.97%
Se 196.026†	583.1	0.8901	mg/L	0.00878	0.8901	mg/L	0.00878	0.99%
Sn 189.927†	1390.9	0.5017	mg/L	0.00547	0.5017	mg/L	0.00547	1.09%
Ti 337.279†	302162.8	0.5121	mg/L	0.00082	0.5121	mg/L	0.00082	0.16%
Tl 190.801†	580.9	0.4910	mg/L	0.00833	0.4910	mg/L	0.00833	1.70%
V 292.402†	102934.2	0.4936	mg/L	0.00249	0.4936	mg/L	0.00249	0.50%
Zn 213.857†	42553.6	0.4702	mg/L	0.00129	0.4702	mg/L	0.00129	0.27%

Duplicate Check: BH61616-BSD1

Analyte	Expected Conc.	Measured Conc.	Std. Dev.	Units	Difference (%)
Y 360.073			0.000	mg/L	Not calculated
Ag 328.068	0.2486	0.2419	0.002	mg/L	2.7
Al 237.313	2.422	2.362	0.008	mg/L	2.5
As 188.979	0.4819	0.4721	0.004	mg/L	2.1
B 182.528	0.4685	0.4561	0.002	mg/L	2.7
Ba 233.527	0.5000	0.4866	0.002	mg/L	2.7
Be 313.107	0.0505	0.0487	0.000	mg/L	3.7

Ca 315.886	5.191	5.003	0.000	mg/L	3.7
Cd 228.802	0.2429	0.2361	0.002	mg/L	2.8
Co 228.616	0.5023	0.4887	0.001	mg/L	2.8
Cr 267.716	0.5135	0.4991	0.002	mg/L	2.8
Cu 324.752	0.4953	0.4835	0.001	mg/L	2.4
Fe 238.204	2.575	2.515	0.010	mg/L	2.4
Fe 234.349	2.553	2.492	0.008	mg/L	2.4
Mg 279.077	4.942	4.806	0.020	mg/L	2.8
Mn 257.610	0.5131	0.4953	0.000	mg/L	3.5
Mo 202.031	0.5188	0.5002	0.004	mg/L	3.7
Na 330.237	23.60	22.84	0.113	mg/L	3.3
Ni 231.604	0.5088	0.4956	0.001	mg/L	2.6
Pb 220.353	0.4995	0.4836	0.004	mg/L	3.2
Sb 206.836	0.4791	0.4622	0.004	mg/L	3.6
Se 196.026	0.9139	0.8901	0.009	mg/L	2.6
Sn 189.927	0.5211	0.5017	0.005	mg/L	3.8
Ti 337.279	0.5303	0.5121	0.001	mg/L	3.5
Tl 190.801	0.5008	0.4910	0.008	mg/L	2.0
V 292.402	0.5077	0.4936	0.002	mg/L	2.8
Zn 213.857	0.4838	0.4702	0.001	mg/L	2.9

Sequence No.: 6
Sample ID: BH61616-SRM1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 8/16/2006 6:24:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: BH61616-SRM1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Y 360.073	2400174.7	2400174.7	1.08	mg/L			18:26:04
1	Ag 328.068†	247588.9	227457.8	0.7844	mg/L	0.7844	mg/L	18:26:04
1	Al 237.313†	459186.4	423605.7	53.92	mg/L	53.92	mg/L	18:26:04
1	As 188.979†	488.2	457.2	0.7281	mg/L	0.7281	mg/L	18:26:24
1	B 182.528†	981.6	937.4	0.8766	mg/L	0.8766	mg/L	18:26:24
1	Ba 233.527†	292929.3	269672.4	1.462	mg/L	1.462	mg/L	18:26:04
1	Be 313.107†	7466665.6	6879464.8	1.345	mg/L	1.345	mg/L	18:25:55
1	Ca 315.886†	5872820.0	5413779.4	40.13	mg/L	40.13	mg/L	18:25:55
1	Cd 228.802†	174852.4	160544.3	2.019	mg/L	2.019	mg/L	18:26:04
1	Co 228.616†	47490.2	43898.5	0.6400	mg/L	0.6400	mg/L	18:26:04
1	Cr 267.716†	81363.3	73235.2	0.5508	mg/L	0.5508	mg/L	18:26:04
1	Cu 324.752†	301959.4	276502.6	1.212	mg/L	1.212	mg/L	18:26:04
1	Fe 238.204†	11636148.6	10724961.0	85.06	mg/L	85.06	mg/L	18:25:55
1	Fe 234.349†	3552804.3	3274212.4	89.65	mg/L	89.65	mg/L	18:25:55
1	Mg 279.077†	415710.4	384559.5	18.52	mg/L	18.52	mg/L	18:26:04
1	Mn 257.610†	2988609.0	2753471.6	2.738	mg/L	2.738	mg/L	18:26:04
1	Mo 202.031†	7041.1	6394.6	0.5643	mg/L	0.5643	mg/L	18:26:24
1	Na 330.237†	8984.7	5945.5	8.721	mg/L	8.721	mg/L	18:26:04
1	Ni 231.604†	26536.3	24286.3	0.4656	mg/L	0.4656	mg/L	18:26:24
1	Pb 220.353†	7333.5	6726.5	0.7315	mg/L	0.7315	mg/L	18:26:24
1	Sb 206.836†	2468.7	2230.3	0.6189	mg/L	0.6189	mg/L	18:26:24
1	Se 196.026†	509.4	487.0	0.7442	mg/L	0.7442	mg/L	18:26:24
1	Sn 189.927†	5354.7	4832.6	1.754	mg/L	1.754	mg/L	18:26:24
1	Ti 337.279†	1016121.0	936930.2	1.589	mg/L	1.589	mg/L	18:26:04
1	Tl 190.801†	1944.4	1819.1	1.549	mg/L	1.549	mg/L	18:26:24
1	V 292.402†	133986.1	120499.8	0.5766	mg/L	0.5766	mg/L	18:26:04
1	Zn 213.857†	99326.0	90505.8	1.005	mg/L	1.005	mg/L	18:26:04
2	Y 360.073	2394278.3	2394278.3	1.08	mg/L			18:26:43
2	Ag 328.068†	246833.7	227322.0	0.7840	mg/L	0.7840	mg/L	18:26:43
2	Al 237.313†	458240.6	423774.1	53.94	mg/L	53.94	mg/L	18:26:43
2	As 188.979†	483.2	453.7	0.7226	mg/L	0.7226	mg/L	18:27:04
2	B 182.528†	989.9	947.2	0.8858	mg/L	0.8858	mg/L	18:27:04
2	Ba 233.527†	291996.5	269475.4	1.461	mg/L	1.461	mg/L	18:26:43
2	Be 313.107†	7517988.2	6943836.9	1.358	mg/L	1.358	mg/L	18:26:34
2	Ca 315.886†	5908713.0	5460276.2	40.48	mg/L	40.48	mg/L	18:26:34
2	Cd 228.802†	174511.2	160625.9	2.020	mg/L	2.020	mg/L	18:26:43
2	Co 228.616†	47399.1	43922.2	0.6403	mg/L	0.6403	mg/L	18:26:43
2	Cr 267.716†	81151.5	73224.1	0.5507	mg/L	0.5507	mg/L	18:26:43
2	Cu 324.752†	301336.0	276612.0	1.213	mg/L	1.213	mg/L	18:26:43

2	Fe 238.204†	11707569.8	10817369.2	85.79 mg/L	85.79 mg/L	18:26:34
2	Fe 234.349†	3576303.9	3303991.2	90.47 mg/L	90.47 mg/L	18:26:34
2	Mg 279.077†	414874.5	384730.8	18.52 mg/L	18.52 mg/L	18:26:43
2	Mn 257.610†	2981691.5	2753863.8	2.738 mg/L	2.738 mg/L	18:26:43
2	Mo 202.031†	7020.6	6391.6	0.5641 mg/L	0.5641 mg/L	18:27:04
2	Na 330.237†	8948.7	5932.7	8.707 mg/L	8.707 mg/L	18:26:43
2	Ni 231.604†	26360.3	24183.9	0.4637 mg/L	0.4637 mg/L	18:27:04
2	Pb 220.353†	7280.1	6693.8	0.7279 mg/L	0.7279 mg/L	18:27:04
2	Sb 206.836†	2467.1	2234.4	0.6201 mg/L	0.6201 mg/L	18:27:04
2	Se 196.026†	511.6	490.2	0.7491 mg/L	0.7491 mg/L	18:27:04
2	Sn 189.927†	5325.8	4818.1	1.749 mg/L	1.749 mg/L	18:27:04
2	Ti 337.279†	1013072.8	936420.1	1.589 mg/L	1.589 mg/L	18:26:43
2	Tl 190.801†	1951.3	1829.9	1.558 mg/L	1.558 mg/L	18:27:04
2	V 292.402†	133884.2	120709.8	0.5776 mg/L	0.5776 mg/L	18:26:43
2	Zn 213.857†	99337.6	90742.0	1.008 mg/L	1.008 mg/L	18:26:43

Mean Data: BH61616-SRM1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2397226.5	1.08	mg/L	0.002				0.17%
Ag 328.068†	227389.9	0.7842	mg/L	0.00033	0.7842	mg/L	0.00033	0.04%
Al 237.313†	423689.9	53.93	mg/L	0.011	53.93	mg/L	0.011	0.02%
As 188.979†	455.4	0.7253	mg/L	0.00390	0.7253	mg/L	0.00390	0.54%
B 182.528†	942.3	0.8812	mg/L	0.00650	0.8812	mg/L	0.00650	0.74%
Ba 233.527†	269573.9	1.462	mg/L	0.0008	1.462	mg/L	0.0008	0.05%
Be 313.107†	6911650.9	1.351	mg/L	0.0089	1.351	mg/L	0.0089	0.66%
Ca 315.886†	5437027.8	40.30	mg/L	0.244	40.30	mg/L	0.244	0.60%
Cd 228.802†	160585.1	2.019	mg/L	0.0007	2.019	mg/L	0.0007	0.04%
Co 228.616†	43910.4	0.6401	mg/L	0.00025	0.6401	mg/L	0.00025	0.04%
Cr 267.716†	73229.7	0.5507	mg/L	0.00003	0.5507	mg/L	0.00003	0.01%
Cu 324.752†	276557.3	1.213	mg/L	0.0003	1.213	mg/L	0.0003	0.03%
Fe 238.204†	10771165.1	85.42	mg/L	0.518	85.42	mg/L	0.518	0.61%
Fe 234.349†	3289101.8	90.06	mg/L	0.577	90.06	mg/L	0.577	0.64%
Mg 279.077†	384645.2	18.52	mg/L	0.005	18.52	mg/L	0.005	0.03%
Mn 257.610†	2753667.7	2.738	mg/L	0.0003	2.738	mg/L	0.0003	0.01%
Mo 202.031†	6393.1	0.5642	mg/L	0.00014	0.5642	mg/L	0.00014	0.02%
Na 330.237†	5939.1	8.714	mg/L	0.0096	8.714	mg/L	0.0096	0.11%
Ni 231.604†	24235.1	0.4646	mg/L	0.00139	0.4646	mg/L	0.00139	0.30%
Pb 220.353†	6710.2	0.7297	mg/L	0.00252	0.7297	mg/L	0.00252	0.35%
Sb 206.836†	2232.3	0.6195	mg/L	0.00081	0.6195	mg/L	0.00081	0.13%
Se 196.026†	488.6	0.7466	mg/L	0.00346	0.7466	mg/L	0.00346	0.46%
Sn 189.927†	4825.4	1.751	mg/L	0.0037	1.751	mg/L	0.0037	0.21%
Ti 337.279†	936675.1	1.589	mg/L	0.0006	1.589	mg/L	0.0006	0.04%
Tl 190.801†	1824.5	1.553	mg/L	0.0063	1.553	mg/L	0.0063	0.41%
V 292.402†	120604.8	0.5771	mg/L	0.00071	0.5771	mg/L	0.00071	0.12%
Zn 213.857†	90623.9	1.006	mg/L	0.0019	1.006	mg/L	0.0019	0.19%

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Sequence No.: 7
Sample ID: BH61616-SRM2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 8/16/2006 6:28:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: BH61616-SRM2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2292794.8	2292794.8	1.04	mg/L			18:30:21
1	Ag 328.068†	787772.6	759376.9	2.617	mg/L	2.617	mg/L	18:30:21
1	Al 237.313†	33234.9	32421.4	4.132	mg/L	4.132	mg/L	18:30:26
1	As 188.979†	-6.6	0.8	0.0129	mg/L	0.0129	mg/L	18:30:46
1	B 182.528†	3371.7	3285.9	3.065	mg/L	3.065	mg/L	18:30:26
1	Ba 233.527†	628390.6	606009.2	3.284	mg/L	3.284	mg/L	18:30:21
1	Be 313.107†	2423.7	-563.4	0.0000	mg/L	0.0000	mg/L	18:30:21
1	Ca 315.886†	646253.4	624112.0	4.629	mg/L	4.629	mg/L	18:30:21
1	Cd 228.802†	308615.7	297162.5	3.743	mg/L	3.743	mg/L	18:30:26
1	Co 228.616†	343.9	456.6	-0.0046	mg/L	-0.0046	mg/L	18:30:46
1	Cr 267.716†	408132.3	392051.6	2.927	mg/L	2.927	mg/L	18:30:26
1	Cu 324.752†	1015488.3	978032.1	4.280	mg/L	4.280	mg/L	18:30:21

Ca 315.886†	985077.5	7.295 mg/L	0.0143	7.295 mg/L	0.0143	0.20%
Cd 228.802†	20259.9	0.2530 mg/L	0.00379	0.2530 mg/L	0.00379	1.50%
Co 228.616†	34507.3	0.5040 mg/L	0.00701	0.5040 mg/L	0.00701	1.39%
Cr 267.716†	89368.8	0.6679 mg/L	0.00915	0.6679 mg/L	0.00915	1.37%
Cu 324.752†	422265.2	1.849 mg/L	0.0085	1.849 mg/L	0.0085	0.46%
Fe 238.204†	818610.9	6.494 mg/L	0.0105	6.494 mg/L	0.0105	0.16%
Fe 234.349†	232991.3	6.378 mg/L	0.0847	6.378 mg/L	0.0847	1.33%
Mg 279.077†	110235.3	5.352 mg/L	0.0710	5.352 mg/L	0.0710	1.33%
Mn 257.610†	537855.5	0.5329 mg/L	0.00134	0.5329 mg/L	0.00134	0.25%
Mo 202.031†	5718.5	0.5001 mg/L	0.00072	0.5001 mg/L	0.00072	0.14%
Na 330.237†	18356.2	24.50 mg/L	0.445	24.50 mg/L	0.445	1.82%
Ni 231.604†	27612.5	0.5296 mg/L	0.00687	0.5296 mg/L	0.00687	1.30%
Pb 220.353†	5500.7	0.5971 mg/L	0.00038	0.5971 mg/L	0.00038	0.06%
Sb 206.836†	1747.4	0.4825 mg/L	0.00062	0.4825 mg/L	0.00062	0.13%
Se 196.026†	639.9	0.9764 mg/L	0.00663	0.9764 mg/L	0.00663	0.68%
Sn 189.927†	1412.9	0.5099 mg/L	0.00177	0.5099 mg/L	0.00177	0.35%
Ti 337.279†	361407.7	0.6127 mg/L	0.00868	0.6127 mg/L	0.00868	1.42%
Tl 190.801†	609.6	0.5111 mg/L	0.00580	0.5111 mg/L	0.00580	1.13%
V 292.402†	231085.0	1.104 mg/L	0.0170	1.104 mg/L	0.0170	1.54%
Zn 213.857†	103363.9	1.147 mg/L	0.0149	1.147 mg/L	0.0149	1.30%

Matrix Recovery Check: BH61616-PDS2X10

Analyte	Expected Conc.	Measured Conc.	Std. Dev.	Units	Recovery (%)
Ag 328.068	0.2619	0.2613	0.004	mg/L	99.7
Al 237.313	5.469	5.550	0.098	mg/L	103.3
As 188.979	0.5071	0.4974	0.000	mg/L	98.1
B 182.528	0.5343	0.4903	0.006	mg/L	91.2
Ba 233.527	0.6337	0.6295	0.009	mg/L	99.2
Be 313.107	0.0506	0.0520	0.000	mg/L	102.7
Ca 315.886	7.145	7.295	0.014	mg/L	103.0
Cd 228.802	0.2544	0.2530	0.004	mg/L	99.4
Co 228.616	0.5011	0.5040	0.007	mg/L	100.6
Cr 267.716	0.6580	0.6679	0.009	mg/L	102.0
Cu 324.752	1.830	1.849	0.008	mg/L	103.8
Fe 238.204	6.396	6.494	0.010	mg/L	103.9
Fe 234.349	6.364	6.378	0.085	mg/L	100.6
Mg 279.077	5.400	5.352	0.071	mg/L	99.0
Mn 257.610	0.5214	0.5329	0.001	mg/L	102.3
Mo 202.031	0.5079	0.5001	0.001	mg/L	98.4
Na 330.237	25.93	24.50	0.445	mg/L	94.3
Ni 231.604	0.5213	0.5296	0.007	mg/L	101.7
Pb 220.353	0.6010	0.5971	0.000	mg/L	99.2
Sb 206.836	0.5071	0.4825	0.001	mg/L	95.1
Se 196.026	1.003	0.9764	0.007	mg/L	97.3
Sn 189.927	0.4907	0.5099	0.002	mg/L	103.9
Ti 337.279	0.6174	0.6127	0.009	mg/L	99.0
Tl 190.801	0.5171	0.5111	0.006	mg/L	98.8
V 292.402	1.083	1.104	0.017	mg/L	104.2
Zn 213.857	1.117	1.147	0.015	mg/L	106.0

Sequence No.: 13
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 8/16/2006 6:53:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2218862.5	2218862.5	1.00	mg/L			18:55:25
1	Ag 328.068†	73913.7	72940.5	0.2522	mg/L	0.2522	mg/L	18:55:30
1	Al 237.313†	19167.0	19463.4	2.494	mg/L	2.494	mg/L	18:55:30
1	As 188.979†	315.3	321.5	0.5087	mg/L	0.5087	mg/L	18:55:50
1	B 182.528†	516.6	547.7	0.5136	mg/L	0.5136	mg/L	18:55:50
1	Ba 233.527†	93704.8	93095.8	0.5049	mg/L	0.5049	mg/L	18:55:30
1	Be 313.107†	263309.5	259634.6	0.0508	mg/L	0.0508	mg/L	18:55:25
1	Ca 315.886†	688470.9	686983.1	5.083	mg/L	5.083	mg/L	18:55:25

1	Cd 228.802†	20943.9	20257.3	0.2532 mg/L	0.2532 mg/L	18:55:30
1	Co 228.616†	34759.4	34782.0	0.5083 mg/L	0.5083 mg/L	18:55:30
1	Cr 267.716†	69962.7	67996.3	0.5079 mg/L	0.5079 mg/L	18:55:30
1	Cu 324.752†	116024.6	113856.8	0.5010 mg/L	0.5010 mg/L	18:55:30
1	Fe 238.204†	321957.2	320403.5	2.542 mg/L	2.542 mg/L	18:55:30
1	Fe 234.349†	92992.2	92149.6	2.521 mg/L	2.521 mg/L	18:55:30
1	Mg 279.077†	103184.7	104262.1	5.070 mg/L	5.070 mg/L	18:55:30
1	Mn 257.610†	516623.5	513841.5	0.5089 mg/L	0.5089 mg/L	18:55:25
1	Mo 202.031†	5904.5	5791.6	0.5058 mg/L	0.5058 mg/L	18:55:50
1	Na 330.237†	20572.8	18176.4	24.29 mg/L	24.29 mg/L	18:55:30
1	Ni 231.604†	26825.4	26573.2	0.5097 mg/L	0.5097 mg/L	18:55:30
1	Pb 220.353†	4745.7	4698.7	0.5103 mg/L	0.5103 mg/L	18:55:50
1	Sb 206.836†	1846.2	1795.6	0.4979 mg/L	0.4979 mg/L	18:55:50
1	Se 196.026†	652.8	668.3	1.020 mg/L	1.020 mg/L	18:55:50
1	Sn 189.927†	1488.4	1381.0	0.4981 mg/L	0.4981 mg/L	18:55:50
1	Ti 337.279†	299019.3	298466.7	0.5058 mg/L	0.5058 mg/L	18:55:25
1	Tl 190.801†	605.0	630.1	0.5316 mg/L	0.5316 mg/L	18:55:50
1	V 292.402†	109434.4	106112.0	0.5088 mg/L	0.5088 mg/L	18:55:30
1	Zn 213.857†	47133.3	45947.5	0.5079 mg/L	0.5079 mg/L	18:55:30
2	Y 360.073	2251492.1	2251492.1	1.02 mg/L		18:55:57
2	Ag 328.068†	73890.3	71849.5	0.2485 mg/L	0.2485 mg/L	18:56:03
2	Al 237.313†	19137.3	19157.2	2.455 mg/L	2.455 mg/L	18:56:03
2	As 188.979†	317.7	319.4	0.5053 mg/L	0.5053 mg/L	18:56:23
2	B 182.528†	517.8	541.3	0.5077 mg/L	0.5077 mg/L	18:56:23
2	Ba 233.527†	93772.9	91808.8	0.4979 mg/L	0.4979 mg/L	18:56:03
2	Be 313.107†	266014.8	258488.1	0.0505 mg/L	0.0505 mg/L	18:55:57
2	Ca 315.886†	694288.7	682751.5	5.052 mg/L	5.052 mg/L	18:55:57
2	Cd 228.802†	20943.4	19954.2	0.2494 mg/L	0.2494 mg/L	18:56:03
2	Co 228.616†	34692.8	34214.4	0.5000 mg/L	0.5000 mg/L	18:56:03
2	Cr 267.716†	69792.1	66817.7	0.4991 mg/L	0.4991 mg/L	18:56:03
2	Cu 324.752†	115907.7	112065.5	0.4932 mg/L	0.4932 mg/L	18:56:03
2	Fe 238.204†	322227.6	316016.9	2.507 mg/L	2.507 mg/L	18:56:03
2	Fe 234.349†	93116.6	90928.1	2.488 mg/L	2.488 mg/L	18:56:03
2	Mg 279.077†	103218.4	102804.2	4.999 mg/L	4.999 mg/L	18:56:03
2	Mn 257.610†	521918.0	511578.7	0.5067 mg/L	0.5067 mg/L	18:55:57
2	Mo 202.031†	5962.5	5763.3	0.5033 mg/L	0.5033 mg/L	18:56:23
2	Na 330.237†	20517.5	17824.7	23.83 mg/L	23.83 mg/L	18:56:03
2	Ni 231.604†	26820.2	26180.4	0.5021 mg/L	0.5021 mg/L	18:56:03
2	Pb 220.353†	4756.4	4640.6	0.5040 mg/L	0.5040 mg/L	18:56:23
2	Sb 206.836†	1846.5	1769.2	0.4906 mg/L	0.4906 mg/L	18:56:23
2	Se 196.026†	660.8	666.8	1.017 mg/L	1.017 mg/L	18:56:23
2	Sn 189.927†	1472.1	1343.6	0.4845 mg/L	0.4845 mg/L	18:56:23
2	Ti 337.279†	300660.8	295758.9	0.5012 mg/L	0.5012 mg/L	18:55:57
2	Tl 190.801†	598.1	614.6	0.5189 mg/L	0.5189 mg/L	18:56:23
2	V 292.402†	109436.6	104532.8	0.5012 mg/L	0.5012 mg/L	18:56:03
2	Zn 213.857†	47090.6	45224.5	0.4999 mg/L	0.4999 mg/L	18:56:03

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2235177.3	1.01	mg/L	0.010				1.03%
Ag 328.068†	72395.0	0.2504	mg/L	0.00266	0.2504	mg/L	0.00266	1.06%
QC value within limits for Ag 328.068 Recovery = 100.15%								
Al 237.313†	19310.3	2.474	mg/L	0.0277	2.474	mg/L	0.0277	1.12%
QC value within limits for Al 237.313 Recovery = 98.97%								
As 188.979†	320.5	0.5070	mg/L	0.00239	0.5070	mg/L	0.00239	0.47%
QC value within limits for As 188.979 Recovery = 101.40%								
B 182.528†	544.5	0.5106	mg/L	0.00416	0.5106	mg/L	0.00416	0.82%
QC value within limits for B 182.528 Recovery = 102.12%								
Ba 233.527†	92452.3	0.5014	mg/L	0.00493	0.5014	mg/L	0.00493	0.98%
QC value within limits for Ba 233.527 Recovery = 100.28%								
Be 313.107†	259061.4	0.0506	mg/L	0.00016	0.0506	mg/L	0.00016	0.31%
QC value within limits for Be 313.107 Recovery = 101.28%								
Ca 315.886†	684867.3	5.067	mg/L	0.0222	5.067	mg/L	0.0222	0.44%
QC value within limits for Ca 315.886 Recovery = 101.35%								
Cd 228.802†	20105.7	0.2513	mg/L	0.00269	0.2513	mg/L	0.00269	1.07%
QC value within limits for Cd 228.802 Recovery = 100.51%								
Co 228.616†	34498.2	0.5041	mg/L	0.00588	0.5041	mg/L	0.00588	1.17%
QC value within limits for Co 228.616 Recovery = 100.83%								
Cr 267.716†	67407.0	0.5035	mg/L	0.00622	0.5035	mg/L	0.00622	1.24%

QC value within limits for Cr 267.716 Recovery = 100.71%						
Cu 324.752†	112961.1	0.4971 mg/L	0.00554	0.4971 mg/L	0.00554	1.11%
QC value within limits for Cu 324.752 Recovery = 99.42%						
Fe 238.204†	318210.2	2.524 mg/L	0.0246	2.524 mg/L	0.0246	0.97%
QC value within limits for Fe 238.204 Recovery = 100.98%						
Fe 234.349†	91538.9	2.505 mg/L	0.0236	2.505 mg/L	0.0236	0.94%
QC value within limits for Fe 234.349 Recovery = 100.19%						
Mg 279.077†	103533.2	5.035 mg/L	0.0500	5.035 mg/L	0.0500	0.99%
QC value within limits for Mg 279.077 Recovery = 100.69%						
Mn 257.610†	512710.1	0.5078 mg/L	0.00159	0.5078 mg/L	0.00159	0.31%
QC value within limits for Mn 257.610 Recovery = 101.56%						
Mo 202.031†	5777.4	0.5046 mg/L	0.00174	0.5046 mg/L	0.00174	0.35%
QC value within limits for Mo 202.031 Recovery = 100.91%						
Na 330.237†	18000.5	24.06 mg/L	0.323	24.06 mg/L	0.323	1.34%
QC value within limits for Na 330.237 Recovery = 96.25%						
Ni 231.604†	26376.8	0.5059 mg/L	0.00533	0.5059 mg/L	0.00533	1.05%
QC value within limits for Ni 231.604 Recovery = 101.18%						
Pb 220.353†	4669.6	0.5071 mg/L	0.00445	0.5071 mg/L	0.00445	0.88%
QC value within limits for Pb 220.353 Recovery = 101.43%						
Sb 206.836†	1782.4	0.4943 mg/L	0.00514	0.4943 mg/L	0.00514	1.04%
QC value within limits for Sb 206.836 Recovery = 98.85%						
Se 196.026†	667.6	1.018 mg/L	0.0016	1.018 mg/L	0.0016	0.16%
QC value within limits for Se 196.026 Recovery = 101.85%						
Sn 189.927†	1362.3	0.4913 mg/L	0.00963	0.4913 mg/L	0.00963	1.96%
QC value within limits for Sn 189.927 Recovery = 98.26%						
Ti 337.279†	297112.8	0.5035 mg/L	0.00325	0.5035 mg/L	0.00325	0.65%
QC value within limits for Ti 337.279 Recovery = 100.71%						
Tl 190.801†	622.4	0.5253 mg/L	0.00899	0.5253 mg/L	0.00899	1.71%
QC value within limits for Tl 190.801 Recovery = 105.05%						
V 292.402†	105322.4	0.5050 mg/L	0.00535	0.5050 mg/L	0.00535	1.06%
QC value within limits for V 292.402 Recovery = 101.00%						
Zn 213.857†	45586.0	0.5039 mg/L	0.00566	0.5039 mg/L	0.00566	1.12%
QC value within limits for Zn 213.857 Recovery = 100.78%						

All analyte(s) passed QC.

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Sequence No.: 14
Sample ID: ICCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/16/2006 6:58:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2223821.4	2223821.4	1.01	mg/L			18:59:31
1	Ag 328.068†	1192.5	430.2	0.0024	mg/L	0.0024	mg/L	18:59:36
1	Al 237.313†	-363.0	-8.5	0.0073	mg/L	0.0073	mg/L	18:59:57
1	As 188.979†	-10.8	-3.6	-0.0033	mg/L	-0.0033	mg/L	18:59:57
1	B 182.528†	-10.9	21.7	0.0235	mg/L	0.0235	mg/L	18:59:57
1	Ba 233.527†	323.3	-12.3	0.0003	mg/L	0.0003	mg/L	18:59:57
1	Be 313.107†	2782.0	-134.5	-0.0001	mg/L	-0.0001	mg/L	18:59:36
1	Ca 315.886†	-527.8	7.7	-0.0113	mg/L	-0.0113	mg/L	18:59:36
1	Cd 228.802†	669.4	40.8	0.0005	mg/L	0.0005	mg/L	18:59:57
1	Co 228.616†	-140.7	-15.3	-0.0012	mg/L	-0.0012	mg/L	18:59:57
1	Cr 267.716†	1753.3	-16.8	0.0000	mg/L	0.0000	mg/L	18:59:36
1	Cu 324.752†	2406.3	566.7	0.0056	mg/L	0.0056	mg/L	18:59:36
1	Fe 238.204†	690.9	78.5	0.0006	mg/L	0.0006	mg/L	18:59:57
1	Fe 234.349†	606.1	33.3	0.0039	mg/L	0.0039	mg/L	18:59:57
1	Mg 279.077†	-1413.2	-25.7	0.0064	mg/L	0.0064	mg/L	18:59:36
1	Mn 257.610†	1370.3	97.3	-0.0017	mg/L	-0.0017	mg/L	18:59:36
1	Mo 202.031†	110.1	14.0	0.0035	mg/L	0.0035	mg/L	18:59:57
1	Na 330.237†	2289.7	-58.2	0.5789	mg/L	0.5789	mg/L	18:59:36
1	Ni 231.604†	180.4	6.0	-0.0002	mg/L	-0.0002	mg/L	18:59:57
1	Pb 220.353†	45.8	12.5	0.0019	mg/L	0.0019	mg/L	18:59:57
1	Sb 206.836†	42.0	-3.5	0.0017	mg/L	0.0017	mg/L	18:59:57
1	Se 196.026†	-16.1	1.5	0.0068	mg/L	0.0068	mg/L	18:59:57
1	Sn 189.927†	69.4	-33.9	-0.0169	mg/L	-0.0169	mg/L	18:59:57
1	Ti 337.279†	-112.2	213.3	-0.0004	mg/L	-0.0004	mg/L	18:59:36
1	Tl 190.801†	-12.8	14.2	0.0218	mg/L	0.0218	mg/L	18:59:57

1	V 292.402†	3064.6	47.5	0.0010 mg/L	0.0010 mg/L	18:59:36
1	Zn 213.857†	1127.8	74.5	0.0002 mg/L	0.0002 mg/L	18:59:57
2	Y 360.073	2216797.0	2216797.0	1.00 mg/L		19:00:02
2	Ag 328.068†	1207.4	448.7	0.0025 mg/L	0.0025 mg/L	19:00:07
2	Al 237.313†	-367.4	-14.0	0.0066 mg/L	0.0066 mg/L	19:00:28
2	As 188.979†	-8.1	-0.9	0.0008 mg/L	0.0008 mg/L	19:00:28
2	B 182.528†	-27.4	5.2	0.0082 mg/L	0.0082 mg/L	19:00:28
2	Ba 233.527†	307.9	-26.6	0.0002 mg/L	0.0002 mg/L	19:00:28
2	Be 313.107†	2835.3	-72.5	0.0000 mg/L	0.0000 mg/L	19:00:07
2	Ca 315.886†	-322.8	210.6	-0.0098 mg/L	-0.0098 mg/L	19:00:07
2	Cd 228.802†	633.0	6.5	0.0001 mg/L	0.0001 mg/L	19:00:28
2	Co 228.616†	-132.4	-7.5	-0.0010 mg/L	-0.0010 mg/L	19:00:28
2	Cr 267.716†	1964.7	199.6	0.0016 mg/L	0.0016 mg/L	19:00:07
2	Cu 324.752†	2395.7	563.7	0.0056 mg/L	0.0056 mg/L	19:00:07
2	Fe 238.204†	641.2	31.0	0.0002 mg/L	0.0002 mg/L	19:00:28
2	Fe 234.349†	610.8	39.9	0.0041 mg/L	0.0041 mg/L	19:00:28
2	Mg 279.077†	-1300.8	82.0	0.0116 mg/L	0.0116 mg/L	19:00:07
2	Mn 257.610†	1268.7	0.2	-0.0018 mg/L	-0.0018 mg/L	19:00:07
2	Mo 202.031†	120.1	24.3	0.0044 mg/L	0.0044 mg/L	19:00:28
2	Na 330.237†	2378.5	37.7	0.7036 mg/L	0.7036 mg/L	19:00:07
2	Ni 231.604†	190.9	17.0	0.0000 mg/L	0.0000 mg/L	19:00:28
2	Pb 220.353†	45.7	12.5	0.0019 mg/L	0.0019 mg/L	19:00:28
2	Sb 206.836†	47.1	1.7	0.0031 mg/L	0.0031 mg/L	19:00:28
2	Se 196.026†	-16.6	0.9	0.0059 mg/L	0.0059 mg/L	19:00:28
2	Sn 189.927†	57.2	-45.9	-0.0212 mg/L	-0.0212 mg/L	19:00:28
2	Ti 337.279†	-291.5	34.1	-0.0007 mg/L	-0.0007 mg/L	19:00:07
2	Tl 190.801†	-15.7	11.2	0.0194 mg/L	0.0194 mg/L	19:00:28
2	V 292.402†	3054.9	47.5	0.0010 mg/L	0.0010 mg/L	19:00:07
2	Zn 213.857†	1124.9	75.1	0.0002 mg/L	0.0002 mg/L	19:00:28

Mean Data: ICCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2220309.2	1.00	mg/L	0.002				0.22%
Ag 328.068†	439.4	0.0024	mg/L	0.00005	0.0024	mg/L	0.00005	1.85%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 237.313†	-11.3	0.0069	mg/L	0.00051	0.0069	mg/L	0.00051	7.31%
QC value within limits for Al 237.313 Recovery = Not calculated								
As 188.979†	-2.2	-0.0012	mg/L	0.00294	-0.0012	mg/L	0.00294	236.25%
QC value within limits for As 188.979 Recovery = Not calculated								
B 182.528†	13.4	0.0159	mg/L	0.01085	0.0159	mg/L	0.01085	68.44%
QC value within limits for B 182.528 Recovery = Not calculated								
Ba 233.527†	-19.5	0.0003	mg/L	0.00006	0.0003	mg/L	0.00006	21.56%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-103.5	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	18.57%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.886†	109.1	-0.0106	mg/L	0.00106	-0.0106	mg/L	0.00106	10.05%
QC value within limits for Ca 315.886 Recovery = Not calculated								
Cd 228.802†	23.6	0.0003	mg/L	0.00031	0.0003	mg/L	0.00031	105.42%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-11.4	-0.0011	mg/L	0.00008	-0.0011	mg/L	0.00008	7.38%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	91.4	0.0008	mg/L	0.00114	0.0008	mg/L	0.00114	144.90%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	565.2	0.0056	mg/L	0.00001	0.0056	mg/L	0.00001	0.17%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	54.7	0.0004	mg/L	0.00027	0.0004	mg/L	0.00027	62.35%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Fe 234.349†	36.6	0.0040	mg/L	0.00013	0.0040	mg/L	0.00013	3.20%
QC value within limits for Fe 234.349 Recovery = Not calculated								
Mg 279.077†	28.2	0.0090	mg/L	0.00370	0.0090	mg/L	0.00370	41.08%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	48.8	-0.0017	mg/L	0.00007	-0.0017	mg/L	0.00007	3.97%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	19.1	0.0040	mg/L	0.00063	0.0040	mg/L	0.00063	15.94%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	-10.3	0.6412	mg/L	0.08816	0.6412	mg/L	0.08816	13.75%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	11.5	-0.0001	mg/L	0.00015	-0.0001	mg/L	0.00015	104.46%
QC value within limits for Ni 231.604 Recovery = Not calculated								

Pb 220.353†	12.5	0.0019 mg/L	0.00000	0.0019 mg/L	0.00000	0.07%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-0.9	0.0024 mg/L	0.00102	0.0024 mg/L	0.00102	41.91%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	1.2	0.0063 mg/L	0.00061	0.0063 mg/L	0.00061	9.58%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-39.9	-0.0190 mg/L	0.00307	-0.0190 mg/L	0.00307	16.11%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 337.279†	123.7	-0.0006 mg/L	0.00022	-0.0006 mg/L	0.00022	38.85%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	12.7	0.0206 mg/L	0.00173	0.0206 mg/L	0.00173	8.42%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	47.5	0.0010 mg/L	0.00001	0.0010 mg/L	0.00001	0.86%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 213.857†	74.8	0.0002 mg/L	0.00000	0.0002 mg/L	0.00000	2.32%
QC value within limits for Zn 213.857 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 15
Sample ID: 0608206-03TCLP
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 8/16/2006 7:02:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0608206-03TCLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Y 360.073	2349604.3	2349604.3	1.06	mg/L			19:04:19
1	Ag 328.068†	1260.4	430.5	0.0023	mg/L	0.0023	mg/L	19:04:24
1	Al 237.313†	-202.2	162.2	0.0285	mg/L	0.0285	mg/L	19:04:24
1	As 188.979†	4.6	11.5	0.0166	mg/L	0.0166	mg/L	19:04:44
1	B 182.528†	663.0	656.8	0.6152	mg/L	0.6152	mg/L	19:04:44
1	Ba 233.527†	2682.9	2192.3	0.0123	mg/L	0.0123	mg/L	19:04:44
1	Be 313.107†	3008.6	-69.3	0.0000	mg/L	0.0000	mg/L	19:04:24
1	Ca 315.886†	61730.2	58656.9	0.4252	mg/L	0.4252	mg/L	19:04:24
1	Cd 228.802†	717.5	50.4	0.0006	mg/L	0.0006	mg/L	19:04:44
1	Co 228.616†	-140.0	-7.1	-0.0011	mg/L	-0.0011	mg/L	19:04:44
1	Cr 267.716†	4416.0	2396.9	0.0180	mg/L	0.0180	mg/L	19:04:24
1	Cu 324.752†	3839.6	1788.1	0.0110	mg/L	0.0110	mg/L	19:04:24
1	Fe 238.204†	21176.6	19330.7	0.1533	mg/L	0.1533	mg/L	19:04:24
1	Fe 234.349†	6430.4	5485.1	0.1531	mg/L	0.1531	mg/L	19:04:24
1	Mg 279.077†	-452.0	954.7	0.0538	mg/L	0.0538	mg/L	19:04:24
1	Mn 257.610†	12251.1	10269.5	0.0084	mg/L	0.0084	mg/L	19:04:24
1	Mo 202.031†	19513.1	18277.6	1.590	mg/L	1.590	mg/L	19:04:24
1	Na 330.237†	6455.2	3742.0	5.556	mg/L	5.556	mg/L	19:04:24
1	Ni 231.604†	695.8	481.7	0.0089	mg/L	0.0089	mg/L	19:04:44
1	Pb 220.353†	58269.2	54832.3	5.928	mg/L	5.928	mg/L	19:04:24
1	Sb 206.836†	7401.6	6924.0	1.937	mg/L	1.937	mg/L	19:04:24
1	Se 196.026†	-15.7	2.7	0.0086	mg/L	0.0086	mg/L	19:04:44
1	Sn 189.927†	162.7	50.2	0.0137	mg/L	0.0137	mg/L	19:04:44
1	Ti 337.279†	1161.7	1418.8	0.0016	mg/L	0.0016	mg/L	19:04:24
1	Tl 190.801†	-28.8	-0.2	0.0101	mg/L	0.0101	mg/L	19:04:44
1	V 292.402†	3231.0	41.0	0.0011	mg/L	0.0011	mg/L	19:04:24
1	Zn 213.857†	4396.6	3092.3	0.0337	mg/L	0.0337	mg/L	19:04:44
2	Y 360.073	2354343.3	2354343.3	1.06	mg/L			19:04:50
2	Ag 328.068†	1237.1	406.2	0.0022	mg/L	0.0022	mg/L	19:04:55
2	Al 237.313†	-164.2	198.4	0.0332	mg/L	0.0332	mg/L	19:04:55
2	As 188.979†	1.2	8.3	0.0116	mg/L	0.0116	mg/L	19:05:15
2	B 182.528†	663.7	656.2	0.6147	mg/L	0.6147	mg/L	19:05:15
2	Ba 233.527†	2667.5	2172.7	0.0121	mg/L	0.0121	mg/L	19:05:15
2	Be 313.107†	3009.1	-74.5	0.0000	mg/L	0.0000	mg/L	19:04:55
2	Ca 315.886†	60784.2	57651.0	0.4177	mg/L	0.4177	mg/L	19:04:55
2	Cd 228.802†	714.4	46.2	0.0005	mg/L	0.0005	mg/L	19:05:15
2	Co 228.616†	-132.1	0.6	-0.0009	mg/L	-0.0009	mg/L	19:05:15
2	Cr 267.716†	4373.1	2348.2	0.0176	mg/L	0.0176	mg/L	19:04:55
2	Cu 324.752†	3758.8	1704.9	0.0106	mg/L	0.0106	mg/L	19:04:55
2	Fe 238.204†	20855.0	18988.3	0.1506	mg/L	0.1506	mg/L	19:04:55
2	Fe 234.349†	6323.9	5372.8	0.1500	mg/L	0.1500	mg/L	19:04:55
2	Mg 279.077†	-582.6	832.8	0.0478	mg/L	0.0478	mg/L	19:04:55

Sequence No.: 25
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 8/16/2006 8:00:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2344117.5	2344117.5	1.06	mg/L			20:02:30
1	Ag 328.068†	77729.0	72603.5	0.2511	mg/L	0.2511	mg/L	20:02:36
1	Al 237.313†	20370.5	19578.1	2.509	mg/L	2.509	mg/L	20:02:36
1	As 188.979†	329.0	317.7	0.5027	mg/L	0.5027	mg/L	20:02:56
1	B 182.528†	533.5	536.1	0.5028	mg/L	0.5028	mg/L	20:02:56
1	Ba 233.527†	98597.8	92721.6	0.5029	mg/L	0.5029	mg/L	20:02:36
1	Be 313.107†	275527.2	257137.3	0.0503	mg/L	0.0503	mg/L	20:02:30
1	Ca 315.886†	720407.1	680444.6	5.035	mg/L	5.035	mg/L	20:02:30
1	Cd 228.802†	21788.5	19938.6	0.2492	mg/L	0.2492	mg/L	20:02:36
1	Co 228.616†	36456.9	34532.3	0.5046	mg/L	0.5046	mg/L	20:02:36
1	Cr 267.716†	73543.4	67648.3	0.5053	mg/L	0.5053	mg/L	20:02:36
1	Cu 324.752†	124453.2	115630.3	0.5088	mg/L	0.5088	mg/L	20:02:36
1	Fe 238.204†	339309.9	319627.9	2.536	mg/L	2.536	mg/L	20:02:36
1	Fe 234.349†	98251.1	92158.6	2.522	mg/L	2.522	mg/L	20:02:36
1	Mg 279.077†	108469.4	103752.4	5.045	mg/L	5.045	mg/L	20:02:36
1	Mn 257.610†	541826.6	510103.7	0.5052	mg/L	0.5052	mg/L	20:02:30
1	Mo 202.031†	6171.0	5728.6	0.5003	mg/L	0.5003	mg/L	20:02:56
1	Na 330.237†	21475.3	17932.0	23.97	mg/L	23.97	mg/L	20:02:36
1	Ni 231.604†	28159.0	26402.6	0.5064	mg/L	0.5064	mg/L	20:02:36
1	Pb 220.353†	4964.7	4652.5	0.5053	mg/L	0.5053	mg/L	20:02:56
1	Sb 206.836†	1929.9	1776.2	0.4925	mg/L	0.4925	mg/L	20:02:56
1	Se 196.026†	688.4	667.2	1.018	mg/L	1.018	mg/L	20:02:56
1	Sn 189.927†	1556.7	1366.2	0.4927	mg/L	0.4927	mg/L	20:02:56
1	Ti 337.279†	314516.9	297162.4	0.5036	mg/L	0.5036	mg/L	20:02:30
1	Tl 190.801†	632.0	623.3	0.5260	mg/L	0.5260	mg/L	20:02:56
1	V 292.402†	115524.6	106029.5	0.5084	mg/L	0.5084	mg/L	20:02:36
1	Zn 213.857†	49784.4	45938.4	0.5078	mg/L	0.5078	mg/L	20:02:36
2	Y 360.073	2361384.2	2361384.2	1.07	mg/L			20:03:03
2	Ag 328.068†	76744.2	71144.4	0.2461	mg/L	0.2461	mg/L	20:03:08
2	Al 237.313†	20066.3	19152.5	2.454	mg/L	2.454	mg/L	20:03:08
2	As 188.979†	325.6	312.3	0.4942	mg/L	0.4942	mg/L	20:03:28
2	B 182.528†	526.8	526.1	0.4935	mg/L	0.4935	mg/L	20:03:28
2	Ba 233.527†	97294.8	90820.4	0.4926	mg/L	0.4926	mg/L	20:03:08
2	Be 313.107†	277198.7	256801.8	0.0502	mg/L	0.0502	mg/L	20:03:03
2	Ca 315.886†	725420.4	680169.9	5.033	mg/L	5.033	mg/L	20:03:03
2	Cd 228.802†	21561.6	19575.6	0.2446	mg/L	0.2446	mg/L	20:03:08
2	Co 228.616†	36061.4	33910.2	0.4955	mg/L	0.4955	mg/L	20:03:08
2	Cr 267.716†	72613.3	66269.4	0.4950	mg/L	0.4950	mg/L	20:03:08
2	Cu 324.752†	122330.5	112782.7	0.4963	mg/L	0.4963	mg/L	20:03:08
2	Fe 238.204†	335099.0	313341.1	2.486	mg/L	2.486	mg/L	20:03:08
2	Fe 234.349†	96874.4	90190.7	2.468	mg/L	2.468	mg/L	20:03:08
2	Mg 279.077†	107065.9	101688.9	4.945	mg/L	4.945	mg/L	20:03:08
2	Mn 257.610†	545288.6	509608.1	0.5047	mg/L	0.5047	mg/L	20:03:03
2	Mo 202.031†	6177.0	5691.6	0.4971	mg/L	0.4971	mg/L	20:03:28
2	Na 330.237†	21284.8	17605.3	23.55	mg/L	23.55	mg/L	20:03:08
2	Ni 231.604†	27734.8	25810.9	0.4950	mg/L	0.4950	mg/L	20:03:08
2	Pb 220.353†	4944.4	4599.3	0.4995	mg/L	0.4995	mg/L	20:03:28
2	Sb 206.836†	1942.8	1775.0	0.4923	mg/L	0.4923	mg/L	20:03:28
2	Se 196.026†	689.7	663.7	1.013	mg/L	1.013	mg/L	20:03:28
2	Sn 189.927†	1551.5	1350.6	0.4871	mg/L	0.4871	mg/L	20:03:28
2	Ti 337.279†	317986.7	298242.7	0.5054	mg/L	0.5054	mg/L	20:03:03
2	Tl 190.801†	625.2	612.7	0.5173	mg/L	0.5173	mg/L	20:03:28
2	V 292.402†	114015.6	103818.4	0.4978	mg/L	0.4978	mg/L	20:03:08
2	Zn 213.857†	49090.9	44945.2	0.4968	mg/L	0.4968	mg/L	20:03:08

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2352750.8	1.06	mg/L	0.006				0.52%
Ag 328.068†	71874.0	0.2486	mg/L	0.00356	0.2486	mg/L	0.00356	1.43%

	QC value within limits for Ag 328.068 Recovery = 99.43%					
Al 237.313†	19365.3	2.481 mg/L	0.0385	2.481 mg/L	0.0385	1.55%
	QC value within limits for Al 237.313 Recovery = 99.26%					
As 188.979†	315.0	0.4984 mg/L	0.00600	0.4984 mg/L	0.00600	1.20%
	QC value within limits for As 188.979 Recovery = 99.68%					
B 182.528†	531.1	0.4981 mg/L	0.00658	0.4981 mg/L	0.00658	1.32%
	QC value within limits for B 182.528 Recovery = 99.62%					
Ba 233.527†	91771.0	0.4977 mg/L	0.00729	0.4977 mg/L	0.00729	1.46%
	QC value within limits for Ba 233.527 Recovery = 99.54%					
Be 313.107†	256969.5	0.0502 mg/L	0.00005	0.0502 mg/L	0.00005	0.09%
	QC value within limits for Be 313.107 Recovery = 100.46%					
Ca 315.886†	680307.2	5.034 mg/L	0.0014	5.034 mg/L	0.0014	0.03%
	QC value within limits for Ca 315.886 Recovery = 100.67%					
Cd 228.802†	19757.1	0.2469 mg/L	0.00321	0.2469 mg/L	0.00321	1.30%
	QC value within limits for Cd 228.802 Recovery = 98.76%					
Co 228.616†	34221.3	0.5001 mg/L	0.00645	0.5001 mg/L	0.00645	1.29%
	QC value within limits for Co 228.616 Recovery = 100.01%					
Cr 267.716†	66958.8	0.5002 mg/L	0.00728	0.5002 mg/L	0.00728	1.46%
	QC value within limits for Cr 267.716 Recovery = 100.04%					
Cu 324.752†	114206.5	0.5026 mg/L	0.00880	0.5026 mg/L	0.00880	1.75%
	QC value within limits for Cu 324.752 Recovery = 100.51%					
Fe 238.204†	316484.5	2.511 mg/L	0.0353	2.511 mg/L	0.0353	1.40%
	QC value within limits for Fe 238.204 Recovery = 100.43%					
Fe 234.349†	91174.7	2.495 mg/L	0.0380	2.495 mg/L	0.0380	1.52%
	QC value within limits for Fe 234.349 Recovery = 99.79%					
Mg 279.077†	102720.6	4.995 mg/L	0.0708	4.995 mg/L	0.0708	1.42%
	QC value within limits for Mg 279.077 Recovery = 99.91%					
Mn 257.610†	509855.9	0.5050 mg/L	0.00035	0.5050 mg/L	0.00035	0.07%
	QC value within limits for Mn 257.610 Recovery = 101.00%					
Mo 202.031†	5710.1	0.4987 mg/L	0.00228	0.4987 mg/L	0.00228	0.46%
	QC value within limits for Mo 202.031 Recovery = 99.74%					
Na 330.237†	17768.7	23.76 mg/L	0.300	23.76 mg/L	0.300	1.26%
	QC value within limits for Na 330.237 Recovery = 95.04%					
Ni 231.604†	26106.8	0.5007 mg/L	0.00803	0.5007 mg/L	0.00803	1.60%
	QC value within limits for Ni 231.604 Recovery = 100.14%					
Pb 220.353†	4625.9	0.5024 mg/L	0.00408	0.5024 mg/L	0.00408	0.81%
	QC value within limits for Pb 220.353 Recovery = 100.48%					
Sb 206.836†	1775.6	0.4924 mg/L	0.00016	0.4924 mg/L	0.00016	0.03%
	QC value within limits for Sb 206.836 Recovery = 98.48%					
Se 196.026†	665.4	1.015 mg/L	0.0037	1.015 mg/L	0.0037	0.37%
	QC value within limits for Se 196.026 Recovery = 101.52%					
Sn 189.927†	1358.4	0.4899 mg/L	0.00400	0.4899 mg/L	0.00400	0.82%
	QC value within limits for Sn 189.927 Recovery = 97.98%					
Ti 337.279†	297702.5	0.5045 mg/L	0.00130	0.5045 mg/L	0.00130	0.26%
	QC value within limits for Ti 337.279 Recovery = 100.91%					
Tl 190.801†	618.0	0.5217 mg/L	0.00614	0.5217 mg/L	0.00614	1.18%
	QC value within limits for Tl 190.801 Recovery = 104.33%					
V 292.402†	104924.0	0.5031 mg/L	0.00749	0.5031 mg/L	0.00749	1.49%
	QC value within limits for V 292.402 Recovery = 100.62%					
Zn 213.857†	45441.8	0.5023 mg/L	0.00776	0.5023 mg/L	0.00776	1.55%
	QC value within limits for Zn 213.857 Recovery = 100.47%					

All analyte(s) passed QC.

Sequence No.: 26
Sample ID: ICCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/16/2006 8:05:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2332817.1	2332817.1	1.05	mg/L			20:06:37
1	Ag 328.068†	723.5	-70.1	0.0007	mg/L	0.0007	mg/L	20:06:42
1	Al 237.313†	-338.6	31.5	0.0124	mg/L	0.0124	mg/L	20:07:03
1	As 188.979†	-10.2	-2.5	-0.0017	mg/L	-0.0017	mg/L	20:07:03
1	B 182.528†	-28.8	5.3	0.0082	mg/L	0.0082	mg/L	20:07:03
1	Ba 233.527†	311.1	-38.9	0.0002	mg/L	0.0002	mg/L	20:07:03
1	Be 313.107†	2844.8	-204.2	-0.0001	mg/L	-0.0001	mg/L	20:06:42

1	Ca 315.886†	-430.4	124.6	-0.0105 mg/L	-0.0105 mg/L	20:06:42
1	Cd 228.802†	646.9	-11.7	-0.0001 mg/L	-0.0001 mg/L	20:07:03
1	Co 228.616†	-121.3	9.6	-0.0008 mg/L	-0.0008 mg/L	20:07:03
1	Cr 267.716†	1750.7	-100.8	-0.0006 mg/L	-0.0006 mg/L	20:06:42
1	Cu 324.752†	3399.6	1396.8	0.0093 mg/L	0.0093 mg/L	20:06:42
1	Fe 238.204†	1752.9	1053.5	0.0083 mg/L	0.0083 mg/L	20:07:03
1	Fe 234.349†	911.0	294.3	0.0110 mg/L	0.0110 mg/L	20:07:03
1	Mg 279.077†	-1264.3	181.2	0.0164 mg/L	0.0164 mg/L	20:06:42
1	Mn 257.610†	1395.5	57.5	-0.0017 mg/L	-0.0017 mg/L	20:06:42
1	Mo 202.031†	120.7	18.9	0.0039 mg/L	0.0039 mg/L	20:07:03
1	Na 330.237†	2229.0	-222.2	0.3652 mg/L	0.3652 mg/L	20:06:42
1	Ni 231.604†	129.5	-50.7	-0.0013 mg/L	-0.0013 mg/L	20:07:03
1	Pb 220.353†	64.5	28.1	0.0036 mg/L	0.0036 mg/L	20:07:03
1	Sb 206.836†	52.1	4.1	0.0038 mg/L	0.0038 mg/L	20:07:03
1	Se 196.026†	-15.6	2.7	0.0086 mg/L	0.0086 mg/L	20:07:03
1	Sn 189.927†	62.1	-44.1	-0.0206 mg/L	-0.0206 mg/L	20:07:03
1	Ti 337.279†	-145.9	186.7	-0.0004 mg/L	-0.0004 mg/L	20:06:42
1	Tl 190.801†	-20.1	7.9	0.0166 mg/L	0.0166 mg/L	20:07:03
1	V 292.402†	2942.3	-210.9	-0.0002 mg/L	-0.0002 mg/L	20:06:42
1	Zn 213.857†	1804.2	663.5	0.0067 mg/L	0.0067 mg/L	20:07:03
2	Y 360.073	2334959.9	2334959.9	1.06 mg/L		20:07:08
2	Ag 328.068†	756.3	-39.7	0.0008 mg/L	0.0008 mg/L	20:07:13
2	Al 237.313†	-355.9	15.4	0.0103 mg/L	0.0103 mg/L	20:07:34
2	As 188.979†	-6.0	1.5	0.0046 mg/L	0.0046 mg/L	20:07:34
2	B 182.528†	-23.7	10.0	0.0127 mg/L	0.0127 mg/L	20:07:34
2	Ba 233.527†	318.7	-32.0	0.0002 mg/L	0.0002 mg/L	20:07:34
2	Be 313.107†	2872.5	-180.5	-0.0001 mg/L	-0.0001 mg/L	20:07:13
2	Ca 315.886†	-531.3	29.4	-0.0112 mg/L	-0.0112 mg/L	20:07:13
2	Cd 228.802†	628.0	-30.1	-0.0004 mg/L	-0.0004 mg/L	20:07:34
2	Co 228.616†	-151.6	-18.9	-0.0012 mg/L	-0.0012 mg/L	20:07:34
2	Cr 267.716†	1721.7	-129.8	-0.0009 mg/L	-0.0009 mg/L	20:07:13
2	Cu 324.752†	3405.8	1399.7	0.0093 mg/L	0.0093 mg/L	20:07:13
2	Fe 238.204†	1721.0	1021.7	0.0081 mg/L	0.0081 mg/L	20:07:34
2	Fe 234.349†	904.1	286.9	0.0108 mg/L	0.0108 mg/L	20:07:34
2	Mg 279.077†	-1298.0	150.4	0.0149 mg/L	0.0149 mg/L	20:07:13
2	Mn 257.610†	1440.9	99.3	-0.0017 mg/L	-0.0017 mg/L	20:07:13
2	Mo 202.031†	103.2	2.2	0.0025 mg/L	0.0025 mg/L	20:07:34
2	Na 330.237†	2204.5	-247.4	0.3324 mg/L	0.3324 mg/L	20:07:13
2	Ni 231.604†	125.8	-54.2	-0.0014 mg/L	-0.0014 mg/L	20:07:34
2	Pb 220.353†	66.5	29.9	0.0038 mg/L	0.0038 mg/L	20:07:34
2	Sb 206.836†	39.7	-7.6	0.0006 mg/L	0.0006 mg/L	20:07:34
2	Se 196.026†	-17.8	0.6	0.0054 mg/L	0.0054 mg/L	20:07:34
2	Sn 189.927†	54.0	-51.8	-0.0233 mg/L	-0.0233 mg/L	20:07:34
2	Ti 337.279†	-210.6	125.4	-0.0006 mg/L	-0.0006 mg/L	20:07:13
2	Tl 190.801†	-17.0	10.8	0.0190 mg/L	0.0190 mg/L	20:07:34
2	V 292.402†	2968.0	-189.1	-0.0001 mg/L	-0.0001 mg/L	20:07:13
2	Zn 213.857†	1766.8	626.5	0.0063 mg/L	0.0063 mg/L	20:07:34

Mean Data: ICCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2333888.5	1.05	mg/L	0.001				0.06%
Ag 328.068†	-54.9	0.0007	mg/L	0.00007	0.0007	mg/L	0.00007	10.10%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 237.313†	23.5	0.0113	mg/L	0.00147	0.0113	mg/L	0.00147	12.92%
QC value within limits for Al 237.313 Recovery = Not calculated								
As 188.979†	-0.5	0.0015	mg/L	0.00442	0.0015	mg/L	0.00442	303.92%
QC value within limits for As 188.979 Recovery = Not calculated								
B 182.528†	7.7	0.0105	mg/L	0.00316	0.0105	mg/L	0.00316	30.13%
QC value within limits for B 182.528 Recovery = Not calculated								
Ba 233.527†	-35.4	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	15.59%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-192.3	-0.0001	mg/L	0.00000	-0.0001	mg/L	0.00000	5.09%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.886†	77.0	-0.0108	mg/L	0.00050	-0.0108	mg/L	0.00050	4.61%
QC value within limits for Ca 315.886 Recovery = Not calculated								
Cd 228.802†	-20.9	-0.0003	mg/L	0.00018	-0.0003	mg/L	0.00018	65.34%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-4.6	-0.0010	mg/L	0.00030	-0.0010	mg/L	0.00030	29.71%
QC value within limits for Co 228.616 Recovery = Not calculated								

Cr 267.716†	-115.3	-0.0008 mg/L	0.00015	-0.0008 mg/L	0.00015	20.28%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	1398.3	0.0093 mg/L	0.00001	0.0093 mg/L	0.00001	0.10%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 238.204†	1037.6	0.0082 mg/L	0.00018	0.0082 mg/L	0.00018	2.17%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Fe 234.349†	290.6	0.0109 mg/L	0.00014	0.0109 mg/L	0.00014	1.31%
QC value within limits for Fe 234.349 Recovery = Not calculated						
Mg 279.077†	165.8	0.0157 mg/L	0.00106	0.0157 mg/L	0.00106	6.76%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Mn 257.610†	78.4	-0.0017 mg/L	0.00003	-0.0017 mg/L	0.00003	1.74%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	10.6	0.0032 mg/L	0.00102	0.0032 mg/L	0.00102	31.85%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 330.237†	-234.8	0.3488 mg/L	0.02319	0.3488 mg/L	0.02319	6.65%
QC value within limits for Na 330.237 Recovery = Not calculated						
Ni 231.604†	-52.5	-0.0014 mg/L	0.00005	-0.0014 mg/L	0.00005	3.49%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	29.0	0.0037 mg/L	0.00014	0.0037 mg/L	0.00014	3.73%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-1.7	0.0022 mg/L	0.00232	0.0022 mg/L	0.00232	105.92%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	1.6	0.0070 mg/L	0.00225	0.0070 mg/L	0.00225	32.29%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-48.0	-0.0219 mg/L	0.00197	-0.0219 mg/L	0.00197	8.99%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 337.279†	156.0	-0.0005 mg/L	0.00007	-0.0005 mg/L	0.00007	14.73%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	9.3	0.0178 mg/L	0.00169	0.0178 mg/L	0.00169	9.53%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	-200.0	-0.0002 mg/L	0.00007	-0.0002 mg/L	0.00007	44.81%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 213.857†	645.0	0.0065 mg/L	0.00029	0.0065 mg/L	0.00029	4.47%
QC value within limits for Zn 213.857 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 27
Sample ID: BH61616-PDS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 8/16/2006 8:09:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: BH61616-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2473844.4	2473844.4	1.12	mg/L			20:11:00
1	Ag 328.068†	79051.3	69939.1	0.2419	mg/L	0.2419	mg/L	20:11:06
1	Al 237.313†	479005.9	428726.0	54.37	mg/L	54.37	mg/L	20:11:06
1	As 188.979†	347.4	317.9	0.5186	mg/L	0.5186	mg/L	20:11:26
1	B 182.528†	506.4	485.5	0.4556	mg/L	0.4556	mg/L	20:11:26
1	Ba 233.527†	336375.3	300485.4	1.630	mg/L	1.630	mg/L	20:11:06
1	Be 313.107†	296620.2	262364.3	0.0516	mg/L	0.0516	mg/L	20:11:06
1	Ca 315.886†	9069528.4	8111381.3	60.14	mg/L	60.14	mg/L	20:10:51
1	Cd 228.802†	20527.7	17732.7	0.2184	mg/L	0.2184	mg/L	20:11:26
1	Co 228.616†	39778.9	35698.9	0.5165	mg/L	0.5165	mg/L	20:11:06
1	Cr 267.716†	90396.9	79080.6	0.5958	mg/L	0.5958	mg/L	20:11:06
1	Cu 324.752†	482104.3	429317.0	1.881	mg/L	1.881	mg/L	20:11:00
1	Fe 238.204†	15568648.5	13922380.7	110.4	mg/L	110.4	mg/L	20:10:51
1	Fe 234.349†	4805317.8	4296809.8	117.7	mg/L	117.7	mg/L	20:11:00
1	Mg 279.077†	755069.3	676636.2	32.65	mg/L	32.65	mg/L	20:11:00
1	Mn 257.610†	3295858.5	2946209.2	2.930	mg/L	2.930	mg/L	20:11:00
1	Mo 202.031†	6184.1	5434.9	0.4829	mg/L	0.4829	mg/L	20:11:26
1	Na 330.237†	29663.8	24192.2	32.53	mg/L	32.53	mg/L	20:11:06
1	Ni 231.604†	33285.2	29593.4	0.5676	mg/L	0.5676	mg/L	20:11:26
1	Pb 220.353†	49636.9	44357.1	4.796	mg/L	4.796	mg/L	20:11:06
1	Sb 206.836†	1851.2	1610.3	0.4451	mg/L	0.4451	mg/L	20:11:26
1	Se 196.026†	611.1	564.0	0.8612	mg/L	0.8612	mg/L	20:11:26
1	Sn 189.927†	2543.5	2171.6	0.7911	mg/L	0.7911	mg/L	20:11:26
1	Ti 337.279†	2029044.1	1814892.3	3.080	mg/L	3.080	mg/L	20:11:00

Sb 206.836†	40.7	0.0018 mg/L	0.00051	0.0018 mg/L	0.00051	28.48%
Se 196.026†	-28.0	-0.0381 mg/L	0.00857	-0.0381 mg/L	0.00857	22.51%
Sn 189.927†	2551.8	0.9262 mg/L	0.00584	0.9262 mg/L	0.00584	0.63%
Ti 337.279†	1044241.2	1.772 mg/L	0.0095	1.772 mg/L	0.0095	0.53%
Tl 190.801†	-57.5	-0.0054 mg/L	0.00168	-0.0054 mg/L	0.00168	30.88%
V 292.402†	1180.6	0.0123 mg/L	0.00004	0.0123 mg/L	0.00004	0.34%
Zn 213.857†	638940.4	7.112 mg/L	0.0255	7.112 mg/L	0.0255	0.36%

Sequence No.: 30
Sample ID: 0608297-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 8/16/2006 8:23:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0608297-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2466220.3	2466220.3	1.11	mg/L			20:25:06
1	Ag 328.068†	30274.6	26401.9	0.0933	mg/L	0.0933	mg/L	20:25:11
1	Al 237.313†	246525.1	221500.7	28.28	mg/L	28.28	mg/L	20:25:11
1	As 188.979†	28.5	32.8	0.0596	mg/L	0.0596	mg/L	20:25:31
1	B 182.528†	-38.6	-2.1	0.0014	mg/L	0.0014	mg/L	20:25:31
1	Ba 233.527†	264831.4	237236.1	1.283	mg/L	1.283	mg/L	20:25:11
1	Be 313.107†	35361.0	28818.8	0.0057	mg/L	0.0057	mg/L	20:25:06
1	Ca 315.886†	3067458.4	2752230.9	20.41	mg/L	20.41	mg/L	20:25:06
1	Cd 228.802†	4105.0	3057.3	0.0364	mg/L	0.0364	mg/L	20:25:31
1	Co 228.616†	1846.9	1781.5	0.0222	mg/L	0.0222	mg/L	20:25:31
1	Cr 267.716†	229842.3	204421.5	1.530	mg/L	1.530	mg/L	20:25:11
1	Cu 324.752†	3344266.2	2998184.4	13.11	mg/L	13.11	mg/L	20:25:06
1	Fe 238.204†	4981346.2	4467963.8	35.44	mg/L	35.44	mg/L	20:25:06
1	Fe 234.349†	1470324.2	1318401.2	36.10	mg/L	36.10	mg/L	20:25:06
1	Mg 279.077†	85675.1	78236.0	3.730	mg/L	3.730	mg/L	20:25:11
1	Mn 257.610†	235032.9	209573.0	0.2077	mg/L	0.2077	mg/L	20:25:11
1	Mo 202.031†	306.4	179.3	0.0242	mg/L	0.0242	mg/L	20:25:31
1	Na 330.237†	6984.6	3929.5	5.541	mg/L	5.541	mg/L	20:25:11
1	Ni 231.604†	11938.5	10536.1	0.2020	mg/L	0.2020	mg/L	20:25:11
1	Pb 220.353†	10030.4	8964.8	0.9709	mg/L	0.9709	mg/L	20:25:11
1	Sb 206.836†	259.9	187.9	0.0364	mg/L	0.0364	mg/L	20:25:31
1	Se 196.026†	-20.7	-1.1	0.0029	mg/L	0.0029	mg/L	20:25:31
1	Sn 189.927†	324.7	188.3	0.0665	mg/L	0.0665	mg/L	20:25:31
1	Ti 337.279†	760199.8	682270.8	1.157	mg/L	1.157	mg/L	20:25:06
1	Tl 190.801†	-3.5	23.8	-0.0049	mg/L	-0.0049	mg/L	20:25:31
1	V 292.402†	1336644.7	1196050.9	5.699	mg/L	5.699	mg/L	20:25:06
1	Zn 213.857†	576878.6	516447.9	5.745	mg/L	5.745	mg/L	20:25:06
2	Y 360.073	2494431.7	2494431.7	1.13	mg/L			20:25:41
2	Ag 328.068†	30710.8	26481.7	0.0936	mg/L	0.0936	mg/L	20:25:46
2	Al 237.313†	251333.5	223264.2	28.51	mg/L	28.51	mg/L	20:25:46
2	As 188.979†	27.7	31.8	0.0581	mg/L	0.0581	mg/L	20:26:07
2	B 182.528†	-43.5	-6.0	-0.0023	mg/L	-0.0023	mg/L	20:26:07
2	Ba 233.527†	268860.6	238122.8	1.288	mg/L	1.288	mg/L	20:25:46
2	Be 313.107†	35556.8	28633.7	0.0057	mg/L	0.0057	mg/L	20:25:41
2	Ca 315.886†	3106109.7	2755390.3	20.43	mg/L	20.43	mg/L	20:25:41
2	Cd 228.802†	4133.8	3041.2	0.0362	mg/L	0.0362	mg/L	20:26:07
2	Co 228.616†	1832.5	1750.0	0.0217	mg/L	0.0217	mg/L	20:26:07
2	Cr 267.716†	234246.9	205996.1	1.541	mg/L	1.541	mg/L	20:25:46
2	Cu 324.752†	3384301.3	2999762.9	13.12	mg/L	13.12	mg/L	20:25:41
2	Fe 238.204†	5040488.0	4469879.2	35.46	mg/L	35.46	mg/L	20:25:41
2	Fe 234.349†	1488486.8	1319592.7	36.13	mg/L	36.13	mg/L	20:25:41
2	Mg 279.077†	87281.9	78791.9	3.757	mg/L	3.757	mg/L	20:25:46
2	Mn 257.610†	239432.6	211090.6	0.2092	mg/L	0.2092	mg/L	20:25:46
2	Mo 202.031†	317.5	186.0	0.0247	mg/L	0.0247	mg/L	20:26:07
2	Na 330.237†	7062.1	3927.4	5.539	mg/L	5.539	mg/L	20:25:46
2	Ni 231.604†	12176.6	10626.2	0.2037	mg/L	0.2037	mg/L	20:25:46
2	Pb 220.353†	10266.8	9072.7	0.9826	mg/L	0.9826	mg/L	20:25:46
2	Sb 206.836†	255.3	181.2	0.0344	mg/L	0.0344	mg/L	20:26:07
2	Se 196.026†	-17.0	2.4	0.0082	mg/L	0.0082	mg/L	20:26:07
2	Sn 189.927†	325.3	185.5	0.0655	mg/L	0.0655	mg/L	20:26:07
2	Ti 337.279†	770287.3	683504.9	1.159	mg/L	1.159	mg/L	20:25:41
2	Tl 190.801†	-3.1	24.2	-0.0046	mg/L	-0.0046	mg/L	20:26:07

2	V 292.402†	1352646.7	1196682.4	5.702 mg/L	5.702 mg/L	20:25:41
2	Zn 213.857†	582777.8	515827.3	5.738 mg/L	5.738 mg/L	20:25:41

Mean Data: 0608297-01

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2480326.0	1.12	mg/L	0.009				0.80%
Ag 328.068†	26441.8	0.0935	mg/L	0.00019	0.0935	mg/L	0.00019	0.21%
Al 237.313†	222382.5	28.39	mg/L	0.160	28.39	mg/L	0.160	0.56%
As 188.979†	32.3	0.0589	mg/L	0.00109	0.0589	mg/L	0.00109	1.85%
B 182.528†	-4.1	-0.0005	mg/L	0.00258	-0.0005	mg/L	0.00258	573.54%
Ba 233.527†	237679.4	1.285	mg/L	0.0034	1.285	mg/L	0.0034	0.26%
Be 313.107†	28726.3	0.0057	mg/L	0.00002	0.0057	mg/L	0.00002	0.43%
Ca 315.886†	2753810.6	20.42	mg/L	0.017	20.42	mg/L	0.017	0.08%
Cd 228.802†	3049.2	0.0363	mg/L	0.00014	0.0363	mg/L	0.00014	0.39%
Co 228.616†	1765.7	0.0219	mg/L	0.00033	0.0219	mg/L	0.00033	1.52%
Cr 267.716†	205208.8	1.536	mg/L	0.0083	1.536	mg/L	0.0083	0.54%
Cu 324.752†	2998973.7	13.11	mg/L	0.005	13.11	mg/L	0.005	0.04%
Fe 238.204†	4468921.5	35.45	mg/L	0.011	35.45	mg/L	0.011	0.03%
Fe 234.349†	1318997.0	36.12	mg/L	0.023	36.12	mg/L	0.023	0.06%
Mg 279.077†	78514.0	3.743	mg/L	0.0191	3.743	mg/L	0.0191	0.51%
Mn 257.610†	210331.8	0.2085	mg/L	0.00107	0.2085	mg/L	0.00107	0.51%
Mo 202.031†	182.7	0.0244	mg/L	0.00041	0.0244	mg/L	0.00041	1.69%
Na 330.237†	3928.4	5.540	mg/L	0.0015	5.540	mg/L	0.0015	0.03%
Ni 231.604†	10581.2	0.2028	mg/L	0.00122	0.2028	mg/L	0.00122	0.60%
Pb 220.353†	9018.8	0.9767	mg/L	0.00826	0.9767	mg/L	0.00826	0.85%
Sb 206.836†	184.6	0.0354	mg/L	0.00144	0.0354	mg/L	0.00144	4.07%
Se 196.026†	0.7	0.0055	mg/L	0.00376	0.0055	mg/L	0.00376	68.18%
Sn 189.927†	186.9	0.0660	mg/L	0.00070	0.0660	mg/L	0.00070	1.06%
Ti 337.279†	682887.8	1.158	mg/L	0.0015	1.158	mg/L	0.0015	0.13%
Tl 190.801†	24.0	-0.0048	mg/L	0.00023	-0.0048	mg/L	0.00023	4.87%
V 292.402†	1196366.7	5.701	mg/L	0.0022	5.701	mg/L	0.0022	0.04%
Zn 213.857†	516137.6	5.741	mg/L	0.0049	5.741	mg/L	0.0049	0.09%

Sequence No.: 31
Sample ID: BH61616-DUP2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 33
Date Collected: 8/16/2006 8:27:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: BH61616-DUP2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Y 360.073	2490380.3	2490380.3	1.13	mg/L			20:29:18
1	Ag 328.068†	33217.6	28752.9	0.1012	mg/L	0.1012	mg/L	20:29:24
1	Al 237.313†	200079.2	178094.7	22.73	mg/L	22.73	mg/L	20:29:24
1	As 188.979†	28.2	32.2	0.0575	mg/L	0.0575	mg/L	20:29:44
1	B 182.528†	-35.2	1.3	0.0045	mg/L	0.0045	mg/L	20:29:44
1	Ba 233.527†	256350.8	227397.5	1.230	mg/L	1.230	mg/L	20:29:24
1	Be 313.107†	33617.8	26962.5	0.0054	mg/L	0.0054	mg/L	20:29:18
1	Ca 315.886†	2862017.1	2543030.1	18.85	mg/L	18.85	mg/L	20:29:18
1	Cd 228.802†	3391.3	2387.6	0.0283	mg/L	0.0283	mg/L	20:29:44
1	Co 228.616†	1637.0	1579.0	0.0196	mg/L	0.0196	mg/L	20:29:44
1	Cr 267.716†	238866.1	210437.6	1.574	mg/L	1.574	mg/L	20:29:24
1	Cu 324.752†	3890877.7	3454667.3	15.10	mg/L	15.10	mg/L	20:29:18
1	Fe 238.204†	4211851.4	3741025.4	29.68	mg/L	29.68	mg/L	20:29:18
1	Fe 234.349†	1239854.2	1100865.4	30.14	mg/L	30.14	mg/L	20:29:18
1	Mg 279.077†	68650.7	62366.7	2.972	mg/L	2.972	mg/L	20:29:24
1	Mn 257.610†	221397.3	195414.3	0.1934	mg/L	0.1934	mg/L	20:29:24
1	Mo 202.031†	312.1	181.7	0.0234	mg/L	0.0234	mg/L	20:29:44
1	Na 330.237†	7351.0	4194.2	5.960	mg/L	5.960	mg/L	20:29:24
1	Ni 231.604†	11363.7	9921.6	0.1902	mg/L	0.1902	mg/L	20:29:24
1	Pb 220.353†	11782.5	10434.0	1.129	mg/L	1.129	mg/L	20:29:24
1	Sb 206.836†	260.7	186.4	0.0354	mg/L	0.0354	mg/L	20:29:44
1	Se 196.026†	-16.6	2.8	0.0087	mg/L	0.0087	mg/L	20:29:44
1	Sn 189.927†	345.3	203.8	0.0717	mg/L	0.0717	mg/L	20:29:44
1	Ti 337.279†	636557.3	565816.2	0.9596	mg/L	0.9596	mg/L	20:29:18
1	Tl 190.801†	-3.8	23.5	0.0003	mg/L	0.0003	mg/L	20:29:44

1	V 292.402†	1146650.6	1015635.6	4.842 mg/L	4.842 mg/L	20:29:18
1	Zn 213.857†	430821.5	381676.5	4.243 mg/L	4.243 mg/L	20:29:18
2	Y 360.073	2505315.4	2505315.4	1.13 mg/L		20:29:54
2	Ag 328.068†	33141.7	28510.0	0.1004 mg/L	0.1004 mg/L	20:29:59
2	Al 237.313†	198371.2	175526.9	22.40 mg/L	22.40 mg/L	20:29:59
2	As 188.979†	28.4	32.2	0.0576 mg/L	0.0576 mg/L	20:30:19
2	B 182.528†	-37.4	-0.4	0.0029 mg/L	0.0029 mg/L	20:30:19
2	Ba 233.527†	253948.9	223918.9	1.211 mg/L	1.211 mg/L	20:29:59
2	Be 313.107†	33964.3	27090.5	0.0054 mg/L	0.0054 mg/L	20:29:54
2	Ca 315.886†	2888072.9	2550882.4	18.91 mg/L	18.91 mg/L	20:29:54
2	Cd 228.802†	3369.3	2350.2	0.0278 mg/L	0.0278 mg/L	20:30:19
2	Co 228.616†	1659.0	1589.7	0.0197 mg/L	0.0197 mg/L	20:30:19
2	Cr 267.716†	236859.8	207400.9	1.551 mg/L	1.551 mg/L	20:29:59
2	Cu 324.752†	3920677.4	3460377.0	15.13 mg/L	15.13 mg/L	20:29:54
2	Fe 238.204†	4246242.5	3749089.7	29.74 mg/L	29.74 mg/L	20:29:54
2	Fe 234.349†	1250859.3	1104017.5	30.23 mg/L	30.23 mg/L	20:29:54
2	Mg 279.077†	68084.5	61503.1	2.930 mg/L	2.930 mg/L	20:29:59
2	Mn 257.610†	219610.4	192663.9	0.1907 mg/L	0.1907 mg/L	20:29:59
2	Mo 202.031†	306.4	175.0	0.0228 mg/L	0.0228 mg/L	20:30:19
2	Na 330.237†	7292.8	4104.0	5.842 mg/L	5.842 mg/L	20:29:59
2	Ni 231.604†	11326.6	9828.6	0.1884 mg/L	0.1884 mg/L	20:29:59
2	Pb 220.353†	11731.1	10326.2	1.118 mg/L	1.118 mg/L	20:29:59
2	Sb 206.836†	264.3	188.1	0.0362 mg/L	0.0362 mg/L	20:30:19
2	Se 196.026†	-16.6	2.8	0.0088 mg/L	0.0088 mg/L	20:30:19
2	Sn 189.927†	348.3	204.5	0.0720 mg/L	0.0720 mg/L	20:30:19
2	Ti 337.279†	642211.8	567438.3	0.9624 mg/L	0.9624 mg/L	20:29:54
2	Tl 190.801†	-5.1	22.4	-0.0008 mg/L	-0.0008 mg/L	20:30:19
2	V 292.402†	1156697.8	1018435.5	4.855 mg/L	4.855 mg/L	20:29:54
2	Zn 213.857†	434121.0	382308.6	4.250 mg/L	4.250 mg/L	20:29:54

Mean Data: BH61616-DUP2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2497847.8	1.13	mg/L	0.005				0.42%
Ag 328.068†	28631.4	0.1008	mg/L	0.00059	0.1008	mg/L	0.00059	0.58%
Al 237.313†	176810.8	22.57	mg/L	0.234	22.57	mg/L	0.234	1.04%
As 188.979†	32.2	0.0576	mg/L	0.00005	0.0576	mg/L	0.00005	0.09%
B 182.528†	0.4	0.0037	mg/L	0.00114	0.0037	mg/L	0.00114	30.32%
Ba 233.527†	225658.2	1.221	mg/L	0.0133	1.221	mg/L	0.0133	1.09%
Be 313.107†	27026.5	0.0054	mg/L	0.00002	0.0054	mg/L	0.00002	0.30%
Ca 315.886†	2546956.3	18.88	mg/L	0.041	18.88	mg/L	0.041	0.22%
Cd 228.802†	2368.9	0.0280	mg/L	0.00034	0.0280	mg/L	0.00034	1.20%
Co 228.616†	1584.3	0.0197	mg/L	0.00011	0.0197	mg/L	0.00011	0.58%
Cr 267.716†	208919.3	1.563	mg/L	0.0160	1.563	mg/L	0.0160	1.03%
Cu 324.752†	3457522.1	15.12	mg/L	0.018	15.12	mg/L	0.018	0.12%
Fe 238.204†	3745057.6	29.71	mg/L	0.045	29.71	mg/L	0.045	0.15%
Fe 234.349†	1102441.5	30.19	mg/L	0.061	30.19	mg/L	0.061	0.20%
Mg 279.077†	61934.9	2.951	mg/L	0.0298	2.951	mg/L	0.0298	1.01%
Mn 257.610†	194039.1	0.1921	mg/L	0.00193	0.1921	mg/L	0.00193	1.01%
Mo 202.031†	178.3	0.0231	mg/L	0.00040	0.0231	mg/L	0.00040	1.74%
Na 330.237†	4149.1	5.901	mg/L	0.0831	5.901	mg/L	0.0831	1.41%
Ni 231.604†	9875.1	0.1893	mg/L	0.00126	0.1893	mg/L	0.00126	0.67%
Pb 220.353†	10380.1	1.123	mg/L	0.0082	1.123	mg/L	0.0082	0.73%
Sb 206.836†	187.3	0.0358	mg/L	0.00055	0.0358	mg/L	0.00055	1.53%
Se 196.026†	2.8	0.0087	mg/L	0.00006	0.0087	mg/L	0.00006	0.71%
Sn 189.927†	204.2	0.0718	mg/L	0.00020	0.0718	mg/L	0.00020	0.28%
Ti 337.279†	566627.2	0.9610	mg/L	0.00195	0.9610	mg/L	0.00195	0.20%
Tl 190.801†	23.0	-0.0003	mg/L	0.00077	-0.0003	mg/L	0.00077	265.87%
V 292.402†	1017035.5	4.848	mg/L	0.0093	4.848	mg/L	0.0093	0.19%
Zn 213.857†	381992.6	4.246	mg/L	0.0050	4.246	mg/L	0.0050	0.12%

Duplicate Check: BH61616-DUP2

Analyte	Expected Conc.	Measured Conc.	Std. Dev.	Units	Difference (%)
Y 360.073			0.000	mg/L	Not calculated
Ag 328.068	0.0935	0.1008	0.001	mg/L	7.5
Al 237.313	28.39	22.57	0.234	mg/L	22.9
As 188.979	0.0589	0.0576	0.000	mg/L	2.3
B 182.528	-0.0005	0.0037	0.001	mg/L	254.7

Ba 233.527	1.285	1.221	0.013	mg/L	5.2
Be 313.107	0.0057	0.0054	0.000	mg/L	6.0
Ca 315.886	20.42	18.88	0.041	mg/L	7.8
Cd 228.802	0.0363	0.0280	0.000	mg/L	25.7
Co 228.616	0.0219	0.0197	0.000	mg/L	10.9
Cr 267.716	1.536	1.563	0.016	mg/L	1.8
Cu 324.752	13.11	15.12	0.018	mg/L	14.2
Fe 238.204	35.45	29.71	0.045	mg/L	17.6
Fe 234.349	36.12	30.19	0.061	mg/L	17.9
Mg 279.077	3.743	2.951	0.030	mg/L	23.7
Mn 257.610	0.2085	0.1921	0.002	mg/L	8.2
Mo 202.031	0.0244	0.0231	0.000	mg/L	5.7
Na 330.237	5.540	5.901	0.083	mg/L	6.3
Ni 231.604	0.2028	0.1893	0.001	mg/L	6.9
Pb 220.353	0.9767	1.123	0.008	mg/L	14.0
Sb 206.836	0.0354	0.0358	0.001	mg/L	1.2
Se 196.026	0.0055	0.0087	0.000	mg/L	45.4
Sn 189.927	0.0660	0.0718	0.000	mg/L	8.5
Ti 337.279	1.158	0.9610	0.002	mg/L	18.6
Tl 190.801	-0.0048	-0.0003	0.001	mg/L	-177.1
V 292.402	5.701	4.848	0.009	mg/L	16.2
Zn 213.857	5.741	4.246	0.005	mg/L	29.9

Sequence No.: 32
Sample ID: BH61616-MS2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 34
Date Collected: 8/16/2006 8:31:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: BH61616-MS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2487055.4	2487055.4	1.12	mg/L			20:33:32
1	Ag 328.068†	102106.3	90072.1	0.3125	mg/L	0.3125	mg/L	20:33:37
1	Al 237.313†	250251.4	222962.8	28.52	mg/L	28.52	mg/L	20:33:37
1	As 188.979†	317.8	289.9	0.4622	mg/L	0.4622	mg/L	20:33:57
1	B 182.528†	454.6	436.9	0.4104	mg/L	0.4104	mg/L	20:33:57
1	Ba 233.527†	297874.4	264639.2	1.432	mg/L	1.432	mg/L	20:33:37
1	Be 313.107†	291725.2	256600.9	0.0503	mg/L	0.0503	mg/L	20:33:32
1	Ca 315.886†	3353389.8	2983528.0	22.12	mg/L	22.12	mg/L	20:33:32
1	Cd 228.802†	23561.8	20334.2	0.2528	mg/L	0.2528	mg/L	20:33:37
1	Co 228.616†	35714.3	31894.2	0.4638	mg/L	0.4638	mg/L	20:33:37
1	Cr 267.716†	313870.6	277441.3	2.074	mg/L	2.074	mg/L	20:33:37
1	Cu 324.752†	2934987.8	2608980.1	11.41	mg/L	11.41	mg/L	20:33:32
1	Fe 238.204†	3946532.2	3510013.9	27.85	mg/L	27.85	mg/L	20:33:32
1	Fe 234.349†	1163802.9	1034686.8	28.33	mg/L	28.33	mg/L	20:33:32
1	Mg 279.077†	181851.9	163145.9	7.874	mg/L	7.874	mg/L	20:33:37
1	Mn 257.610†	706238.3	626965.7	0.6222	mg/L	0.6222	mg/L	20:33:32
1	Mo 202.031†	5918.5	5169.2	0.4568	mg/L	0.4568	mg/L	20:33:57
1	Na 330.237†	25342.6	20207.3	26.68	mg/L	26.68	mg/L	20:33:37
1	Ni 231.604†	40446.7	35805.8	0.6870	mg/L	0.6870	mg/L	20:33:37
1	Pb 220.353†	13123.7	11641.1	1.262	mg/L	1.262	mg/L	20:33:37
1	Sb 206.836†	1888.8	1634.9	0.4338	mg/L	0.4338	mg/L	20:33:57
1	Se 196.026†	589.0	541.5	0.8269	mg/L	0.8269	mg/L	20:33:57
1	Sn 189.927†	1738.8	1443.8	0.5225	mg/L	0.5225	mg/L	20:33:57
1	Ti 337.279†	785627.3	699176.7	1.186	mg/L	1.186	mg/L	20:33:32
1	Tl 190.801†	532.5	500.6	0.3935	mg/L	0.3935	mg/L	20:33:57
1	V 292.402†	1274346.0	1130588.4	5.392	mg/L	5.392	mg/L	20:33:32
1	Zn 213.857†	596479.4	529548.5	5.888	mg/L	5.888	mg/L	20:33:32
2	Y 360.073	2489230.9	2489230.9	1.13	mg/L			20:34:08
2	Ag 328.068†	103268.6	91025.7	0.3158	mg/L	0.3158	mg/L	20:34:13
2	Al 237.313†	253980.7	226082.7	28.92	mg/L	28.92	mg/L	20:34:13
2	As 188.979†	320.2	291.7	0.4651	mg/L	0.4651	mg/L	20:34:33
2	B 182.528†	459.5	440.9	0.4141	mg/L	0.4141	mg/L	20:34:33
2	Ba 233.527†	301787.5	267885.4	1.449	mg/L	1.449	mg/L	20:34:13
2	Be 313.107†	292500.5	257063.2	0.0504	mg/L	0.0504	mg/L	20:34:08
2	Ca 315.886†	3367517.6	2993477.2	22.20	mg/L	22.20	mg/L	20:34:08
2	Cd 228.802†	23851.0	20572.8	0.2558	mg/L	0.2558	mg/L	20:34:13
2	Co 228.616†	36163.7	32265.9	0.4692	mg/L	0.4692	mg/L	20:34:13

2	Cr 267.716†	318008.6	280875.0	2.100 mg/L	2.100 mg/L	20:34:13
2	Cu 324.752†	2940710.1	2611784.1	11.42 mg/L	11.42 mg/L	20:34:08
2	Fe 238.204†	3961326.7	3520094.5	27.93 mg/L	27.93 mg/L	20:34:08
2	Fe 234.349†	1167486.2	1037055.6	28.39 mg/L	28.39 mg/L	20:34:08
2	Mg 279.077†	184469.6	165331.1	7.980 mg/L	7.980 mg/L	20:34:13
2	Mn 257.610†	708712.5	628615.6	0.6239 mg/L	0.6239 mg/L	20:34:08
2	Mo 202.031†	5915.7	5162.1	0.4562 mg/L	0.4562 mg/L	20:34:33
2	Na 330.237†	25611.4	20426.5	26.97 mg/L	26.97 mg/L	20:34:13
2	Ni 231.604†	40956.6	36227.5	0.6951 mg/L	0.6951 mg/L	20:34:13
2	Pb 220.353†	13267.9	11759.0	1.275 mg/L	1.275 mg/L	20:34:13
2	Sb 206.836†	1898.3	1641.9	0.4354 mg/L	0.4354 mg/L	20:34:33
2	Se 196.026†	583.5	536.1	0.8187 mg/L	0.8187 mg/L	20:34:33
2	Sn 189.927†	1734.3	1438.4	0.5205 mg/L	0.5205 mg/L	20:34:33
2	Ti 337.279†	790467.2	702867.5	1.192 mg/L	1.192 mg/L	20:34:08
2	Tl 190.801†	537.6	504.7	0.3968 mg/L	0.3968 mg/L	20:34:33
2	V 292.402†	1279633.9	1134297.3	5.410 mg/L	5.410 mg/L	20:34:08
2	Zn 213.857†	598721.8	531077.8	5.905 mg/L	5.905 mg/L	20:34:08

Mean Data: BH61616-MS2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2488143.1	1.12	mg/L	0.001				0.06%
Ag 328.068†	90548.9	0.3142	mg/L	0.00233	0.3142	mg/L	0.00233	0.74%
Al 237.313†	224522.8	28.72	mg/L	0.284	28.72	mg/L	0.284	0.99%
As 188.979†	290.8	0.4636	mg/L	0.00203	0.4636	mg/L	0.00203	0.44%
B 182.528†	438.9	0.4123	mg/L	0.00264	0.4123	mg/L	0.00264	0.64%
Ba 233.527†	266262.3	1.440	mg/L	0.0124	1.440	mg/L	0.0124	0.86%
Be 313.107†	256832.1	0.0503	mg/L	0.00007	0.0503	mg/L	0.00007	0.13%
Ca 315.886†	2988502.6	22.16	mg/L	0.052	22.16	mg/L	0.052	0.24%
Cd 228.802†	20453.5	0.2543	mg/L	0.00211	0.2543	mg/L	0.00211	0.83%
Co 228.616†	32080.1	0.4665	mg/L	0.00384	0.4665	mg/L	0.00384	0.82%
Cr 267.716†	279158.1	2.087	mg/L	0.0181	2.087	mg/L	0.0181	0.87%
Cu 324.752†	2610382.1	11.41	mg/L	0.009	11.41	mg/L	0.009	0.08%
Fe 238.204†	3515054.2	27.89	mg/L	0.057	27.89	mg/L	0.057	0.20%
Fe 234.349†	1035871.2	28.36	mg/L	0.046	28.36	mg/L	0.046	0.16%
Mg 279.077†	164238.5	7.927	mg/L	0.0750	7.927	mg/L	0.0750	0.95%
Mn 257.610†	627790.7	0.6231	mg/L	0.00116	0.6231	mg/L	0.00116	0.19%
Mo 202.031†	5165.7	0.4565	mg/L	0.00042	0.4565	mg/L	0.00042	0.09%
Na 330.237†	20316.9	26.82	mg/L	0.201	26.82	mg/L	0.201	0.75%
Ni 231.604†	36016.6	0.6911	mg/L	0.00572	0.6911	mg/L	0.00572	0.83%
Pb 220.353†	11700.1	1.268	mg/L	0.0090	1.268	mg/L	0.0090	0.71%
Sb 206.836†	1638.4	0.4346	mg/L	0.00116	0.4346	mg/L	0.00116	0.27%
Se 196.026†	538.8	0.8228	mg/L	0.00579	0.8228	mg/L	0.00579	0.70%
Sn 189.927†	1441.1	0.5215	mg/L	0.00137	0.5215	mg/L	0.00137	0.26%
Ti 337.279†	701022.1	1.189	mg/L	0.0044	1.189	mg/L	0.0044	0.37%
Tl 190.801†	502.7	0.3952	mg/L	0.00233	0.3952	mg/L	0.00233	0.59%
V 292.402†	1132442.9	5.401	mg/L	0.0126	5.401	mg/L	0.0126	0.23%
Zn 213.857†	530313.1	5.897	mg/L	0.0120	5.897	mg/L	0.0120	0.20%

Matrix Recovery Check: BH61616-MS2

Analyte	Expected Conc.	Measured Conc.	Std. Dev.	Units	Recovery (%)
Ag 328.068	0.3435	0.3142	0.002	mg/L	88.3
Al 237.313	30.89	28.72	0.284	mg/L	13.1
As 188.979	0.5589	0.4636	0.002	mg/L	81.0
B 182.528	0.4995	0.4123	0.003	mg/L	82.5
Ba 233.527	1.785	1.440	0.012	mg/L	31.0
Be 313.107	0.0557	0.0503	0.000	mg/L	89.2
Ca 315.886	25.42	22.16	0.052	mg/L	34.8
Cd 228.802	0.2863	0.2543	0.002	mg/L	87.2
Co 228.616	0.5219	0.4665	0.004	mg/L	88.9
Cr 267.716	2.036	2.087	0.018	mg/L	110.3
Cu 324.752	13.61	11.41	0.009	mg/L	-339.7
Fe 238.204	37.95	27.89	0.057	mg/L	-302.6
Fe 234.349	38.62	28.36	0.046	mg/L	-310.3
Mg 279.077	8.743	7.927	0.075	mg/L	83.7
Mn 257.610	0.7085	0.6231	0.001	mg/L	82.9
Mo 202.031	0.5244	0.4565	0.000	mg/L	86.4
Na 330.237	30.54	26.82	0.201	mg/L	85.1

Ni 231.604	0.7028	0.6911	0.006	mg/L	97.6
Pb 220.353	1.477	1.268	0.009	mg/L	58.3
Sb 206.836	0.5354	0.4346	0.001	mg/L	79.8
Se 196.026	1.006	0.8228	0.006	mg/L	81.7
Sn 189.927	0.5660	0.5215	0.001	mg/L	91.1
Ti 337.279	1.658	1.189	0.004	mg/L	6.2
Tl 190.801	0.4952	0.3952	0.002	mg/L	80.0
V 292.402	6.201	5.401	0.013	mg/L	-60.0
Zn 213.857	6.241	5.897	0.012	mg/L	31.1

Sequence No.: 33
Sample ID: BH61616-SD2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 8/16/2006 8:36:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: BH61616-SD2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2422007.1	2422007.1	1.09	mg/L			20:37:43
1	Ag 328.068†	6575.4	5250.0	0.0193	mg/L	0.0193	mg/L	20:37:48
1	Al 237.313†	49312.2	45396.2	5.801	mg/L	5.801	mg/L	20:37:48
1	As 188.979†	3.1	10.0	0.0192	mg/L	0.0192	mg/L	20:38:08
1	B 182.528†	-25.4	9.4	0.0121	mg/L	0.0121	mg/L	20:38:08
1	Ba 233.527†	53288.6	48341.8	0.2617	mg/L	0.2617	mg/L	20:37:48
1	Be 313.107†	9420.8	5703.1	0.0011	mg/L	0.0011	mg/L	20:37:43
1	Ca 315.886†	624077.4	570588.1	4.222	mg/L	4.222	mg/L	20:37:43
1	Cd 228.802†	1356.2	613.7	0.0073	mg/L	0.0073	mg/L	20:38:08
1	Co 228.616†	268.8	370.2	0.0039	mg/L	0.0039	mg/L	20:38:08
1	Cr 267.716†	47044.7	41211.2	0.3085	mg/L	0.3085	mg/L	20:37:48
1	Cu 324.752†	675344.2	615057.1	2.692	mg/L	2.692	mg/L	20:37:43
1	Fe 238.204†	1050127.1	958616.0	7.604	mg/L	7.604	mg/L	20:37:43
1	Fe 234.349†	303929.3	277050.6	7.589	mg/L	7.589	mg/L	20:37:43
1	Mg 279.077†	16223.9	16199.8	0.7781	mg/L	0.7781	mg/L	20:37:48
1	Mn 257.610†	48940.5	43438.1	0.0417	mg/L	0.0417	mg/L	20:37:48
1	Mo 202.031†	152.7	43.9	0.0074	mg/L	0.0074	mg/L	20:38:08
1	Na 330.237†	3147.3	538.8	1.309	mg/L	1.309	mg/L	20:37:48
1	Ni 231.604†	2511.3	2120.4	0.0404	mg/L	0.0404	mg/L	20:37:48
1	Pb 220.353†	2044.7	1834.6	0.1991	mg/L	0.1991	mg/L	20:38:08
1	Sb 206.836†	90.2	37.2	0.0093	mg/L	0.0093	mg/L	20:38:08
1	Se 196.026†	-21.0	-1.7	0.0018	mg/L	0.0018	mg/L	20:38:08
1	Sn 189.927†	108.9	-3.6	-0.0053	mg/L	-0.0053	mg/L	20:38:08
1	Ti 337.279†	151772.0	138959.2	0.2351	mg/L	0.2351	mg/L	20:37:43
1	Tl 190.801†	-18.8	9.7	0.0110	mg/L	0.0110	mg/L	20:38:08
1	V 292.402†	270914.1	244461.6	1.165	mg/L	1.165	mg/L	20:37:43
1	Zn 213.857†	119213.7	107846.7	1.199	mg/L	1.199	mg/L	20:37:48
2	Y 360.073	2409379.2	2409379.2	1.09	mg/L			20:38:16
2	Ag 328.068†	6607.0	5310.5	0.0195	mg/L	0.0195	mg/L	20:38:21
2	Al 237.313†	49801.7	46081.8	5.889	mg/L	5.889	mg/L	20:38:21
2	As 188.979†	1.1	8.2	0.0163	mg/L	0.0163	mg/L	20:38:41
2	B 182.528†	-32.4	2.8	0.0059	mg/L	0.0059	mg/L	20:38:41
2	Ba 233.527†	53802.4	49068.8	0.2656	mg/L	0.2656	mg/L	20:38:21
2	Be 313.107†	9412.8	5741.0	0.0011	mg/L	0.0011	mg/L	20:38:16
2	Ca 315.886†	620985.7	570736.9	4.223	mg/L	4.223	mg/L	20:38:16
2	Cd 228.802†	1339.8	605.1	0.0072	mg/L	0.0072	mg/L	20:38:41
2	Co 228.616†	253.6	357.6	0.0037	mg/L	0.0037	mg/L	20:38:41
2	Cr 267.716†	47454.0	41812.3	0.3130	mg/L	0.3130	mg/L	20:38:21
2	Cu 324.752†	670406.1	613756.0	2.686	mg/L	2.686	mg/L	20:38:16
2	Fe 238.204†	1045074.5	959004.0	7.607	mg/L	7.607	mg/L	20:38:16
2	Fe 234.349†	302689.3	277367.1	7.597	mg/L	7.597	mg/L	20:38:16
2	Mg 279.077†	16259.3	16309.9	0.7835	mg/L	0.7835	mg/L	20:38:21
2	Mn 257.610†	49444.9	44135.6	0.0424	mg/L	0.0424	mg/L	20:38:21
2	Mo 202.031†	146.6	39.1	0.0070	mg/L	0.0070	mg/L	20:38:41
2	Na 330.237†	3131.9	539.7	1.309	mg/L	1.309	mg/L	20:38:21
2	Ni 231.604†	2489.0	2112.0	0.0402	mg/L	0.0402	mg/L	20:38:21
2	Pb 220.353†	2049.8	1849.1	0.2007	mg/L	0.2007	mg/L	20:38:41
2	Sb 206.836†	87.0	34.6	0.0085	mg/L	0.0085	mg/L	20:38:41
2	Se 196.026†	-23.6	-4.2	-0.0019	mg/L	-0.0019	mg/L	20:38:41
2	Sn 189.927†	104.8	-6.8	-0.0065	mg/L	-0.0065	mg/L	20:38:41

2	Ti 337.279†	151359.7	139307.2	0.2357 mg/L	0.2357 mg/L	20:38:16
2	Tl 190.801†	-17.7	10.7	0.0118 mg/L	0.0118 mg/L	20:38:41
2	V 292.402†	269615.7	244566.4	1.166 mg/L	1.166 mg/L	20:38:16
2	Zn 213.857†	120577.5	109669.7	1.219 mg/L	1.219 mg/L	20:38:21

Mean Data: BH61616-SD2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2415693.2	1.09	mg/L	0.004				0.37%
Ag 328.068†	5280.2	0.0194	mg/L	0.00015	0.0194	mg/L	0.00015	0.76%
Al 237.313†	45739.0	5.845	mg/L	0.0624	5.845	mg/L	0.0624	1.07%
As 188.979†	9.1	0.0178	mg/L	0.00207	0.0178	mg/L	0.00207	11.66%
B 182.528†	6.1	0.0090	mg/L	0.00434	0.0090	mg/L	0.00434	48.11%
Ba 233.527†	48705.3	0.2637	mg/L	0.00279	0.2637	mg/L	0.00279	1.06%
Be 313.107†	5722.1	0.0011	mg/L	0.00001	0.0011	mg/L	0.00001	0.49%
Ca 315.886†	570662.5	4.222	mg/L	0.0008	4.222	mg/L	0.0008	0.02%
Cd 228.802†	609.4	0.0072	mg/L	0.00007	0.0072	mg/L	0.00007	0.98%
Co 228.616†	363.9	0.0038	mg/L	0.00013	0.0038	mg/L	0.00013	3.53%
Cr 267.716†	41511.8	0.3107	mg/L	0.00317	0.3107	mg/L	0.00317	1.02%
Cu 324.752†	614406.6	2.689	mg/L	0.0040	2.689	mg/L	0.0040	0.15%
Fe 238.204†	958810.0	7.606	mg/L	0.0022	7.606	mg/L	0.0022	0.03%
Fe 234.349†	277208.8	7.593	mg/L	0.0061	7.593	mg/L	0.0061	0.08%
Mg 279.077†	16254.8	0.7808	mg/L	0.00377	0.7808	mg/L	0.00377	0.48%
Mn 257.610†	43786.9	0.0420	mg/L	0.00049	0.0420	mg/L	0.00049	1.17%
Mo 202.031†	41.5	0.0072	mg/L	0.00030	0.0072	mg/L	0.00030	4.13%
Na 330.237†	539.3	1.309	mg/L	0.0001	1.309	mg/L	0.0001	0.00%
Ni 231.604†	2116.2	0.0403	mg/L	0.00011	0.0403	mg/L	0.00011	0.28%
Pb 220.353†	1841.9	0.1999	mg/L	0.00111	0.1999	mg/L	0.00111	0.56%
Sb 206.836†	35.9	0.0089	mg/L	0.00055	0.0089	mg/L	0.00055	6.14%
Se 196.026†	-3.0	0.0000	mg/L	0.00264	0.0000	mg/L	0.00264	>999.9%
Sn 189.927†	-5.2	-0.0059	mg/L	0.00083	-0.0059	mg/L	0.00083	14.07%
Ti 337.279†	139133.2	0.2354	mg/L	0.00042	0.2354	mg/L	0.00042	0.18%
Tl 190.801†	10.2	0.0114	mg/L	0.00056	0.0114	mg/L	0.00056	4.94%
V 292.402†	244514.0	1.166	mg/L	0.0004	1.166	mg/L	0.0004	0.03%
Zn 213.857†	108758.2	1.209	mg/L	0.0144	1.209	mg/L	0.0144	1.19%

Dilution Check: BH61616-SD2

Analyte	Expected Conc.	Measured Conc.	Std. Dev.	Units	Difference (%)
Y 360.073			0.000	mg/L	Not calculated
Ag 328.068	0.0187	0.0194	0.000	mg/L	3.8
Al 237.313	5.678	5.845	0.062	mg/L	2.9
As 188.979	0.0118	0.0178	0.002	mg/L	50.9
B 182.528	-0.0001	0.0090	0.004	mg/L	-10103.0
Ba 233.527	0.2570	0.2637	0.003	mg/L	2.6
Be 313.107	0.0011	0.0011	0.000	mg/L	2.2
Ca 315.886	4.084	4.222	0.001	mg/L	3.4
Cd 228.802	0.0073	0.0072	0.000	mg/L	0.5
Co 228.616	0.0044	0.0038	0.000	mg/L	13.6
Cr 267.716	0.3071	0.3107	0.003	mg/L	1.2
Cu 324.752	2.622	2.689	0.004	mg/L	2.5
Fe 238.204	7.090	7.606	0.002	mg/L	7.3
Fe 234.349	7.223	7.593	0.006	mg/L	5.1
Mg 279.077	0.7487	0.7808	0.004	mg/L	4.3
Mn 257.610	0.0417	0.0420	0.000	mg/L	0.7
Mo 202.031	0.0049	0.0072	0.000	mg/L	47.3
Na 330.237	1.108	1.309	0.000	mg/L	18.1
Ni 231.604	0.0406	0.0403	0.000	mg/L	0.7
Pb 220.353	0.1953	0.1999	0.001	mg/L	2.3
Sb 206.836	0.0071	0.0089	0.001	mg/L	25.7
Se 196.026	0.0011	0.0000	0.003	mg/L	102.1
Sn 189.927	0.0132	-0.0059	0.001	mg/L	144.5
Ti 337.279	0.2317	0.2354	0.000	mg/L	1.6
Tl 190.801	-0.0010	0.0114	0.001	mg/L	-1297.4
V 292.402	1.140	1.166	0.000	mg/L	2.2
Zn 213.857	1.148	1.209	0.014	mg/L	5.3

Sequence No.: 34 Autosampler Location: 36

Sample ID: BH61616-PDS2
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 8/16/2006 8:40:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: BH61616-PDS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2491464.1	2491464.1	1.13	mg/L			20:41:55
1	Ag 328.068†	107189.9	94425.4	0.3277	mg/L	0.3277	mg/L	20:42:00
1	Al 237.313†	268199.0	238505.9	30.45	mg/L	30.45	mg/L	20:42:00
1	As 188.979†	353.5	321.1	0.5137	mg/L	0.5137	mg/L	20:42:20
1	B 182.528†	507.2	482.9	0.4532	mg/L	0.4532	mg/L	20:42:20
1	Ba 233.527†	359557.8	318943.4	1.726	mg/L	1.726	mg/L	20:42:00
1	Be 313.107†	316604.0	278233.4	0.0545	mg/L	0.0545	mg/L	20:41:55
1	Ca 315.886†	3795866.1	3371156.1	25.00	mg/L	25.00	mg/L	20:41:55
1	Cd 228.802†	24964.7	21542.8	0.2675	mg/L	0.2675	mg/L	20:42:00
1	Co 228.616†	38689.4	34479.8	0.5009	mg/L	0.5009	mg/L	20:42:00
1	Cr 267.716†	303900.1	268093.7	2.005	mg/L	2.005	mg/L	20:42:00
1	Cu 324.752†	3300502.1	2928926.7	12.81	mg/L	12.81	mg/L	20:41:55
1	Fe 238.204†	5262493.9	4672339.0	37.06	mg/L	37.06	mg/L	20:41:55
1	Fe 234.349†	1556793.0	1381819.1	37.83	mg/L	37.83	mg/L	20:41:55
1	Mg 279.077†	194482.3	174075.1	8.385	mg/L	8.385	mg/L	20:42:00
1	Mn 257.610†	791490.2	701555.3	0.6967	mg/L	0.6967	mg/L	20:41:55
1	Mo 202.031†	6617.5	5780.6	0.5110	mg/L	0.5110	mg/L	20:42:20
1	Na 330.237†	26856.0	21511.3	28.41	mg/L	28.41	mg/L	20:42:00
1	Ni 231.604†	40188.8	35513.1	0.6814	mg/L	0.6814	mg/L	20:42:00
1	Pb 220.353†	14836.7	13141.5	1.424	mg/L	1.424	mg/L	20:42:00
1	Sb 206.836†	2114.4	1832.3	0.4898	mg/L	0.4898	mg/L	20:42:20
1	Se 196.026†	659.0	602.6	0.9199	mg/L	0.9199	mg/L	20:42:20
1	Sn 189.927†	1862.9	1551.2	0.5625	mg/L	0.5625	mg/L	20:42:20
1	Ti 337.279†	1074725.9	954651.7	1.620	mg/L	1.620	mg/L	20:41:55
1	Tl 190.801†	637.8	593.3	0.4670	mg/L	0.4670	mg/L	20:42:20
1	V 292.402†	1448494.6	1283221.5	6.117	mg/L	6.117	mg/L	20:41:55
1	Zn 213.857†	617506.9	547281.4	6.086	mg/L	6.086	mg/L	20:41:55
2	Y 360.073	2482911.7	2482911.7	1.12	mg/L			20:42:31
2	Ag 328.068†	107478.9	95010.8	0.3297	mg/L	0.3297	mg/L	20:42:36
2	Al 237.313†	267901.8	239061.3	30.53	mg/L	30.53	mg/L	20:42:36
2	As 188.979†	351.9	320.8	0.5131	mg/L	0.5131	mg/L	20:42:56
2	B 182.528†	506.8	484.1	0.4544	mg/L	0.4544	mg/L	20:42:56
2	Ba 233.527†	359470.4	319965.2	1.731	mg/L	1.731	mg/L	20:42:36
2	Be 313.107†	315416.9	278144.0	0.0545	mg/L	0.0545	mg/L	20:42:31
2	Ca 315.886†	3783171.3	3371454.7	25.00	mg/L	25.00	mg/L	20:42:31
2	Cd 228.802†	25111.3	21749.8	0.2701	mg/L	0.2701	mg/L	20:42:36
2	Co 228.616†	38698.8	34606.5	0.5028	mg/L	0.5028	mg/L	20:42:36
2	Cr 267.716†	303852.8	268981.1	2.012	mg/L	2.012	mg/L	20:42:36
2	Cu 324.752†	3282820.0	2923266.3	12.78	mg/L	12.78	mg/L	20:42:31
2	Fe 238.204†	5245824.6	4673582.1	37.07	mg/L	37.07	mg/L	20:42:31
2	Fe 234.349†	1552127.6	1382423.7	37.85	mg/L	37.85	mg/L	20:42:31
2	Mg 279.077†	194006.8	174246.3	8.393	mg/L	8.393	mg/L	20:42:36
2	Mn 257.610†	788356.8	701184.3	0.6963	mg/L	0.6963	mg/L	20:42:31
2	Mo 202.031†	6609.4	5793.6	0.5121	mg/L	0.5121	mg/L	20:42:56
2	Na 330.237†	27105.7	21815.9	28.81	mg/L	28.81	mg/L	20:42:36
2	Ni 231.604†	40265.6	35704.4	0.6850	mg/L	0.6850	mg/L	20:42:36
2	Pb 220.353†	14864.0	13211.2	1.432	mg/L	1.432	mg/L	20:42:36
2	Sb 206.836†	2098.5	1824.6	0.4875	mg/L	0.4875	mg/L	20:42:56
2	Se 196.026†	650.1	596.7	0.9108	mg/L	0.9108	mg/L	20:42:56
2	Sn 189.927†	1845.6	1541.5	0.5589	mg/L	0.5589	mg/L	20:42:56
2	Ti 337.279†	1068544.5	952431.0	1.616	mg/L	1.616	mg/L	20:42:31
2	Tl 190.801†	633.7	591.6	0.4656	mg/L	0.4656	mg/L	20:42:56
2	V 292.402†	1441814.3	1281699.6	6.110	mg/L	6.110	mg/L	20:42:31
2	Zn 213.857†	614981.2	546919.6	6.082	mg/L	6.082	mg/L	20:42:31

Mean Data: BH61616-PDS2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2487187.9	1.12	mg/L	0.003				0.24%
Ag 328.068†	94718.1	0.3287	mg/L	0.00142	0.3287	mg/L	0.00142	0.43%
Al 237.313†	238783.6	30.49	mg/L	0.051	30.49	mg/L	0.051	0.17%

As 188.979†	320.9	0.5134 mg/L	0.00038	0.5134 mg/L	0.00038	0.07%
B 182.528†	483.5	0.4538 mg/L	0.00082	0.4538 mg/L	0.00082	0.18%
Ba 233.527†	319454.3	1.728 mg/L	0.0039	1.728 mg/L	0.0039	0.23%
Be 313.107†	278188.7	0.0545 mg/L	0.00001	0.0545 mg/L	0.00001	0.02%
Ca 315.886†	3371305.4	25.00 mg/L	0.002	25.00 mg/L	0.002	0.01%
Cd 228.802†	21646.3	0.2688 mg/L	0.00185	0.2688 mg/L	0.00185	0.69%
Co 228.616†	34543.2	0.5018 mg/L	0.00132	0.5018 mg/L	0.00132	0.26%
Cr 267.716†	268537.4	2.008 mg/L	0.0047	2.008 mg/L	0.0047	0.23%
Cu 324.752†	2926096.5	12.79 mg/L	0.017	12.79 mg/L	0.017	0.14%
Fe 238.204†	4672960.5	37.07 mg/L	0.007	37.07 mg/L	0.007	0.02%
Fe 234.349†	1382121.4	37.84 mg/L	0.012	37.84 mg/L	0.012	0.03%
Mg 279.077†	174160.7	8.389 mg/L	0.0059	8.389 mg/L	0.0059	0.07%
Mn 257.610†	701369.8	0.6965 mg/L	0.00026	0.6965 mg/L	0.00026	0.04%
Mo 202.031†	5787.1	0.5116 mg/L	0.00080	0.5116 mg/L	0.00080	0.16%
Na 330.237†	21663.6	28.61 mg/L	0.280	28.61 mg/L	0.280	0.98%
Ni 231.604†	35608.8	0.6832 mg/L	0.00260	0.6832 mg/L	0.00260	0.38%
Pb 220.353†	13176.4	1.428 mg/L	0.0053	1.428 mg/L	0.0053	0.37%
Sb 206.836†	1828.4	0.4887 mg/L	0.00159	0.4887 mg/L	0.00159	0.32%
Se 196.026†	599.7	0.9153 mg/L	0.00639	0.9153 mg/L	0.00639	0.70%
Sn 189.927†	1546.4	0.5607 mg/L	0.00250	0.5607 mg/L	0.00250	0.45%
Ti 337.279†	953541.4	1.618 mg/L	0.0027	1.618 mg/L	0.0027	0.16%
Tl 190.801†	592.4	0.4663 mg/L	0.00099	0.4663 mg/L	0.00099	0.21%
V 292.402†	1282460.6	6.113 mg/L	0.0051	6.113 mg/L	0.0051	0.08%
Zn 213.857†	547100.5	6.084 mg/L	0.0029	6.084 mg/L	0.0029	0.05%

Matrix Recovery Check: BH61616-PDS2

Analyte	Expected Conc.	Measured Conc.	Std. Dev.	Units	Recovery (%)
Ag 328.068	0.3435	0.3287	0.001	mg/L	94.1
Al 237.313	30.89	30.49	0.051	mg/L	83.9
As 188.979	0.5589	0.5134	0.000	mg/L	90.9
B 182.528	0.4995	0.4538	0.001	mg/L	90.9
Ba 233.527	1.785	1.728	0.004	mg/L	88.6
Be 313.107	0.0557	0.0545	0.000	mg/L	97.6
Ca 315.886	25.42	25.00	0.002	mg/L	91.6
Cd 228.802	0.2863	0.2688	0.002	mg/L	93.0
Co 228.616	0.5219	0.5018	0.001	mg/L	96.0
Cr 267.716	2.036	2.008	0.005	mg/L	94.6
Cu 324.752	13.61	12.79	0.017	mg/L	-63.7
Fe 238.204	37.95	37.07	0.007	mg/L	64.8
Fe 234.349	38.62	37.84	0.012	mg/L	69.0
Mg 279.077	8.743	8.389	0.006	mg/L	92.9
Mn 257.610	0.7085	0.6965	0.000	mg/L	97.6
Mo 202.031	0.5244	0.5116	0.001	mg/L	97.4
Na 330.237	30.54	28.61	0.280	mg/L	92.3
Ni 231.604	0.7028	0.6832	0.003	mg/L	96.1
Pb 220.353	1.477	1.428	0.005	mg/L	90.2
Sb 206.836	0.5354	0.4887	0.002	mg/L	90.7
Se 196.026	1.006	0.9153	0.006	mg/L	91.0
Sn 189.927	0.5660	0.5607	0.002	mg/L	98.9
Ti 337.279	1.658	1.618	0.003	mg/L	91.9
Tl 190.801	0.4952	0.4663	0.001	mg/L	94.2
V 292.402	6.201	6.113	0.005	mg/L	82.5
Zn 213.857	6.241	6.084	0.003	mg/L	68.4

Sequence No.: 35
Sample ID: BH61608-BLK1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 8/16/2006 8:44:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: BH61608-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2349871.1	2349871.1	1.06	mg/L			20:46:05
1	Ag 328.068†	794.2	-8.5	0.0009	mg/L	0.0009	mg/L	20:46:10
1	Al 237.313†	-157.6	204.2	0.0344	mg/L	0.0344	mg/L	20:46:31
1	As 188.979†	-6.0	1.5	0.0047	mg/L	0.0047	mg/L	20:46:31

2	Se 196.026†	651.9	628.8	0.9596 mg/L	0.9596 mg/L	20:51:11
2	Sn 189.927†	1489.4	1293.8	0.4664 mg/L	0.4664 mg/L	20:51:11
2	Ti 337.279†	317376.3	297968.2	0.5050 mg/L	0.5050 mg/L	20:50:45
2	Tl 190.801†	545.2	538.2	0.4557 mg/L	0.4557 mg/L	20:51:11
2	V 292.402†	110878.8	100983.5	0.4842 mg/L	0.4842 mg/L	20:50:51
2	Zn 213.857†	49134.3	45031.8	0.4980 mg/L	0.4980 mg/L	20:50:51

Mean Data: BH61608-BS1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2364292.7	1.07	mg/L	0.003				0.32%
Ag 328.068†	71814.5	0.2484	mg/L	0.00104	0.2484	mg/L	0.00104	0.42%
Al 237.313†	18854.8	2.417	mg/L	0.0170	2.417	mg/L	0.0170	0.70%
As 188.979†	297.4	0.4709	mg/L	0.00539	0.4709	mg/L	0.00539	1.14%
B 182.528†	535.8	0.5025	mg/L	0.00460	0.5025	mg/L	0.00460	0.91%
Ba 233.527†	85099.4	0.4615	mg/L	0.00231	0.4615	mg/L	0.00231	0.50%
Be 313.107†	245974.8	0.0481	mg/L	0.00008	0.0481	mg/L	0.00008	0.16%
Ca 315.886†	676992.2	5.009	mg/L	0.0063	5.009	mg/L	0.0063	0.12%
Cd 228.802†	19039.9	0.2380	mg/L	0.00128	0.2380	mg/L	0.00128	0.54%
Co 228.616†	30927.3	0.4517	mg/L	0.00182	0.4517	mg/L	0.00182	0.40%
Cr 267.716†	64174.8	0.4794	mg/L	0.00151	0.4794	mg/L	0.00151	0.31%
Cu 324.752†	124397.1	0.5471	mg/L	0.00167	0.5471	mg/L	0.00167	0.31%
Fe 238.204†	297858.5	2.363	mg/L	0.0102	2.363	mg/L	0.0102	0.43%
Fe 234.349†	86691.3	2.372	mg/L	0.0111	2.372	mg/L	0.0111	0.47%
Mg 279.077†	95918.1	4.665	mg/L	0.0189	4.665	mg/L	0.0189	0.40%
Mn 257.610†	472588.2	0.4679	mg/L	0.00067	0.4679	mg/L	0.00067	0.14%
Mo 202.031†	5491.9	0.4797	mg/L	0.00072	0.4797	mg/L	0.00072	0.15%
Na 330.237†	1387035.1	1805	mg/L	3.1	1805	mg/L	3.1	0.17%
Ni 231.604†	24287.0	0.4658	mg/L	0.00123	0.4658	mg/L	0.00123	0.26%
Pb 220.353†	4251.7	0.4619	mg/L	0.00057	0.4619	mg/L	0.00057	0.12%
Sb 206.836†	1639.5	0.4547	mg/L	0.00024	0.4547	mg/L	0.00024	0.05%
Se 196.026†	627.8	0.9581	mg/L	0.00213	0.9581	mg/L	0.00213	0.22%
Sn 189.927†	1290.3	0.4651	mg/L	0.00181	0.4651	mg/L	0.00181	0.39%
Ti 337.279†	298002.1	0.5050	mg/L	0.00008	0.5050	mg/L	0.00008	0.02%
Tl 190.801†	531.2	0.4499	mg/L	0.00821	0.4499	mg/L	0.00821	1.83%
V 292.402†	100675.9	0.4827	mg/L	0.00208	0.4827	mg/L	0.00208	0.43%
Zn 213.857†	44942.6	0.4970	mg/L	0.00140	0.4970	mg/L	0.00140	0.28%

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Sequence No.: 37
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 8/16/2006 8:52:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2379403.1	2379403.1	1.08	mg/L			20:54:21
1	Ag 328.068†	77900.4	71675.0	0.2479	mg/L	0.2479	mg/L	20:54:27
1	Al 237.313†	20306.8	19233.7	2.465	mg/L	2.465	mg/L	20:54:27
1	As 188.979†	323.1	307.6	0.4869	mg/L	0.4869	mg/L	20:54:47
1	B 182.528†	531.3	526.6	0.4939	mg/L	0.4939	mg/L	20:54:47
1	Ba 233.527†	99251.0	91948.9	0.4987	mg/L	0.4987	mg/L	20:54:27
1	Be 313.107†	276797.8	254462.4	0.0497	mg/L	0.0497	mg/L	20:54:21
1	Ca 315.886†	724960.1	674595.1	4.991	mg/L	4.991	mg/L	20:54:21
1	Cd 228.802†	21994.5	19825.1	0.2478	mg/L	0.2478	mg/L	20:54:27
1	Co 228.616†	36600.3	34155.4	0.4991	mg/L	0.4991	mg/L	20:54:27
1	Cr 267.716†	73697.7	66762.5	0.4987	mg/L	0.4987	mg/L	20:54:27
1	Cu 324.752†	126733.5	116008.7	0.5104	mg/L	0.5104	mg/L	20:54:27
1	Fe 238.204†	340449.7	315938.6	2.506	mg/L	2.506	mg/L	20:54:27
1	Fe 234.349†	98366.7	90890.9	2.487	mg/L	2.487	mg/L	20:54:27
1	Mg 279.077†	108933.4	102665.6	4.993	mg/L	4.993	mg/L	20:54:27
1	Mn 257.610†	544228.7	504753.7	0.4999	mg/L	0.4999	mg/L	20:54:21
1	Mo 202.031†	6174.8	5645.7	0.4931	mg/L	0.4931	mg/L	20:54:47
1	Na 330.237†	21758.8	17895.0	23.92	mg/L	23.92	mg/L	20:54:27
1	Ni 231.604†	28186.1	26033.7	0.4993	mg/L	0.4993	mg/L	20:54:27
1	Pb 220.353†	4956.0	4575.0	0.4969	mg/L	0.4969	mg/L	20:54:47
1	Sb 206.836†	1943.4	1761.8	0.4886	mg/L	0.4886	mg/L	20:54:47

1	Se 196.026†	690.3	659.3	1.006 mg/L	1.006 mg/L	20:54:47
1	Sn 189.927†	1560.2	1347.7	0.4860 mg/L	0.4860 mg/L	20:54:47
1	Ti 337.279†	327110.1	304469.4	0.5160 mg/L	0.5160 mg/L	20:54:21
1	Tl 190.801†	647.6	629.0	0.5308 mg/L	0.5308 mg/L	20:54:47
1	V 292.402†	115700.0	104575.7	0.5014 mg/L	0.5014 mg/L	20:54:27
1	Zn 213.857†	49627.3	45095.6	0.4985 mg/L	0.4985 mg/L	20:54:27
2	Y 360.073	2387966.8	2387966.8	1.08 mg/L		20:54:54
2	Ag 328.068†	76871.9	70462.4	0.2437 mg/L	0.2437 mg/L	20:55:00
2	Al 237.313†	20115.9	18989.1	2.433 mg/L	2.433 mg/L	20:55:00
2	As 188.979†	319.9	303.5	0.4804 mg/L	0.4804 mg/L	20:55:20
2	B 182.528†	538.4	531.3	0.4983 mg/L	0.4983 mg/L	20:55:20
2	Ba 233.527†	97837.7	90308.6	0.4898 mg/L	0.4898 mg/L	20:55:00
2	Be 313.107†	276895.8	253630.2	0.0496 mg/L	0.0496 mg/L	20:54:54
2	Ca 315.886†	724127.2	671406.1	4.968 mg/L	4.968 mg/L	20:54:54
2	Cd 228.802†	21655.2	19437.4	0.2429 mg/L	0.2429 mg/L	20:55:00
2	Co 228.616†	36105.9	33575.3	0.4906 mg/L	0.4906 mg/L	20:55:00
2	Cr 267.716†	72841.0	65723.0	0.4910 mg/L	0.4910 mg/L	20:55:00
2	Cu 324.752†	124897.2	113884.8	0.5012 mg/L	0.5012 mg/L	20:55:00
2	Fe 238.204†	336330.8	310987.4	2.467 mg/L	2.467 mg/L	20:55:00
2	Fe 234.349†	97224.9	89505.1	2.449 mg/L	2.449 mg/L	20:55:00
2	Mg 279.077†	107441.4	100920.1	4.908 mg/L	4.908 mg/L	20:55:00
2	Mn 257.610†	544648.2	503327.7	0.4985 mg/L	0.4985 mg/L	20:54:54
2	Mo 202.031†	6189.1	5638.4	0.4925 mg/L	0.4925 mg/L	20:55:20
2	Na 330.237†	21428.5	17516.6	23.43 mg/L	23.43 mg/L	20:55:00
2	Ni 231.604†	27814.3	25595.3	0.4909 mg/L	0.4909 mg/L	20:55:00
2	Pb 220.353†	4948.0	4551.1	0.4943 mg/L	0.4943 mg/L	20:55:20
2	Sb 206.836†	1920.0	1733.6	0.4808 mg/L	0.4808 mg/L	20:55:20
2	Se 196.026†	698.6	664.7	1.014 mg/L	1.014 mg/L	20:55:20
2	Sn 189.927†	1546.4	1329.6	0.4794 mg/L	0.4794 mg/L	20:55:20
2	Ti 337.279†	314025.2	291256.1	0.4936 mg/L	0.4936 mg/L	20:54:54
2	Tl 190.801†	633.7	614.0	0.5184 mg/L	0.5184 mg/L	20:55:20
2	V 292.402†	114040.0	102652.0	0.4922 mg/L	0.4922 mg/L	20:55:00
2	Zn 213.857†	49141.5	44480.1	0.4917 mg/L	0.4917 mg/L	20:55:00

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2383684.9	1.08	mg/L	0.003				0.25%
Ag 328.068†	71068.7	0.2458	mg/L	0.00295	0.2458	mg/L	0.00295	1.20%
QC value within limits for Ag 328.068 Recovery = 98.32%								
Al 237.313†	19111.4	2.449	mg/L	0.0221	2.449	mg/L	0.0221	0.90%
QC value within limits for Al 237.313 Recovery = 97.96%								
As 188.979†	305.6	0.4837	mg/L	0.00461	0.4837	mg/L	0.00461	0.95%
QC value within limits for As 188.979 Recovery = 96.73%								
B 182.528†	528.9	0.4961	mg/L	0.00313	0.4961	mg/L	0.00313	0.63%
QC value within limits for B 182.528 Recovery = 99.22%								
Ba 233.527†	91128.8	0.4942	mg/L	0.00629	0.4942	mg/L	0.00629	1.27%
QC value within limits for Ba 233.527 Recovery = 98.85%								
Be 313.107†	254046.3	0.0497	mg/L	0.00012	0.0497	mg/L	0.00012	0.23%
QC value within limits for Be 313.107 Recovery = 99.32%								
Ca 315.886†	673000.6	4.979	mg/L	0.0167	4.979	mg/L	0.0167	0.34%
QC value within limits for Ca 315.886 Recovery = 99.59%								
Cd 228.802†	19631.3	0.2454	mg/L	0.00343	0.2454	mg/L	0.00343	1.40%
QC value within limits for Cd 228.802 Recovery = 98.15%								
Co 228.616†	33865.4	0.4948	mg/L	0.00599	0.4948	mg/L	0.00599	1.21%
QC value within limits for Co 228.616 Recovery = 98.97%								
Cr 267.716†	66242.8	0.4948	mg/L	0.00549	0.4948	mg/L	0.00549	1.11%
QC value within limits for Cr 267.716 Recovery = 98.97%								
Cu 324.752†	114946.7	0.5058	mg/L	0.00657	0.5058	mg/L	0.00657	1.30%
QC value within limits for Cu 324.752 Recovery = 101.16%								
Fe 238.204†	313463.0	2.487	mg/L	0.0278	2.487	mg/L	0.0278	1.12%
QC value within limits for Fe 238.204 Recovery = 99.47%								
Fe 234.349†	90198.0	2.468	mg/L	0.0268	2.468	mg/L	0.0268	1.08%
QC value within limits for Fe 234.349 Recovery = 98.72%								
Mg 279.077†	101792.9	4.950	mg/L	0.0599	4.950	mg/L	0.0599	1.21%
QC value within limits for Mg 279.077 Recovery = 99.00%								
Mn 257.610†	504040.7	0.4992	mg/L	0.00100	0.4992	mg/L	0.00100	0.20%
QC value within limits for Mn 257.610 Recovery = 99.84%								
Mo 202.031†	5642.0	0.4928	mg/L	0.00045	0.4928	mg/L	0.00045	0.09%
QC value within limits for Mo 202.031 Recovery = 98.56%								

Na 330.237†	17705.8	23.68 mg/L	0.348	23.68 mg/L	0.348	1.47%
QC value within limits for Na 330.237 Recovery = 94.71%						
Ni 231.604†	25814.5	0.4951 mg/L	0.00595	0.4951 mg/L	0.00595	1.20%
QC value within limits for Ni 231.604 Recovery = 99.02%						
Pb 220.353†	4563.0	0.4956 mg/L	0.00184	0.4956 mg/L	0.00184	0.37%
QC value within limits for Pb 220.353 Recovery = 99.11%						
Sb 206.836†	1747.7	0.4847 mg/L	0.00550	0.4847 mg/L	0.00550	1.13%
QC value within limits for Sb 206.836 Recovery = 96.94%						
Se 196.026†	662.0	1.010 mg/L	0.0058	1.010 mg/L	0.0058	0.58%
QC value within limits for Se 196.026 Recovery = 101.01%						
Sn 189.927†	1338.7	0.4827 mg/L	0.00466	0.4827 mg/L	0.00466	0.97%
QC value within limits for Sn 189.927 Recovery = 96.54%						
Ti 337.279†	297862.8	0.5048 mg/L	0.01586	0.5048 mg/L	0.01586	3.14%
QC value within limits for Ti 337.279 Recovery = 100.96%						
Tl 190.801†	621.5	0.5246 mg/L	0.00877	0.5246 mg/L	0.00877	1.67%
QC value within limits for Tl 190.801 Recovery = 104.92%						
V 292.402†	103613.8	0.4968 mg/L	0.00650	0.4968 mg/L	0.00650	1.31%
QC value within limits for V 292.402 Recovery = 99.36%						
Zn 213.857†	44787.8	0.4951 mg/L	0.00482	0.4951 mg/L	0.00482	0.97%
QC value within limits for Zn 213.857 Recovery = 99.02%						

All analyte(s) passed QC.

Sequence No.: 38
Sample ID: ICCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/16/2006 8:56:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2352630.5	2352630.5	1.06	mg/L			20:58:28
1	Ag 328.068†	693.7	-103.9	0.0006	mg/L	0.0006	mg/L	20:58:33
1	Al 237.313†	-373.5	1.4	0.0085	mg/L	0.0085	mg/L	20:58:54
1	As 188.979†	-9.0	-1.3	0.0002	mg/L	0.0002	mg/L	20:58:54
1	B 182.528†	-24.2	9.8	0.0125	mg/L	0.0125	mg/L	20:58:54
1	Ba 233.527†	448.5	87.9	0.0008	mg/L	0.0008	mg/L	20:58:54
1	Be 313.107†	2846.2	-225.6	-0.0001	mg/L	-0.0001	mg/L	20:58:33
1	Ca 315.886†	-417.4	140.3	-0.0104	mg/L	-0.0104	mg/L	20:58:33
1	Cd 228.802†	640.3	-23.0	-0.0003	mg/L	-0.0003	mg/L	20:58:54
1	Co 228.616†	-141.6	-8.4	-0.0011	mg/L	-0.0011	mg/L	20:58:54
1	Cr 267.716†	1768.2	-98.3	-0.0006	mg/L	-0.0006	mg/L	20:58:33
1	Cu 324.752†	4469.2	2375.5	0.0135	mg/L	0.0135	mg/L	20:58:33
1	Fe 238.204†	1547.6	846.4	0.0067	mg/L	0.0067	mg/L	20:58:54
1	Fe 234.349†	894.5	271.5	0.0104	mg/L	0.0104	mg/L	20:58:54
1	Mg 279.077†	-1315.7	143.0	0.0146	mg/L	0.0146	mg/L	20:58:33
1	Mn 257.610†	1353.0	6.4	-0.0018	mg/L	-0.0018	mg/L	20:58:33
1	Mo 202.031†	108.6	6.5	0.0029	mg/L	0.0029	mg/L	20:58:54
1	Na 330.237†	2325.7	-149.1	0.4605	mg/L	0.4605	mg/L	20:58:33
1	Ni 231.604†	144.1	-38.0	-0.0011	mg/L	-0.0011	mg/L	20:58:54
1	Pb 220.353†	52.5	16.3	0.0023	mg/L	0.0023	mg/L	20:58:54
1	Sb 206.836†	49.1	0.9	0.0029	mg/L	0.0029	mg/L	20:58:54
1	Se 196.026†	-16.1	2.3	0.0080	mg/L	0.0080	mg/L	20:58:54
1	Sn 189.927†	55.9	-50.4	-0.0228	mg/L	-0.0228	mg/L	20:58:54
1	Ti 337.279†	-121.3	210.9	-0.0004	mg/L	-0.0004	mg/L	20:58:33
1	Tl 190.801†	-9.7	17.8	0.0248	mg/L	0.0248	mg/L	20:58:54
1	V 292.402†	3055.6	-127.8	0.0002	mg/L	0.0002	mg/L	20:58:33
1	Zn 213.857†	1541.8	402.4	0.0038	mg/L	0.0038	mg/L	20:58:54
2	Y 360.073	2364747.1	2364747.1	1.07	mg/L			20:58:59
2	Ag 328.068†	694.2	-106.8	0.0006	mg/L	0.0006	mg/L	20:59:04
2	Al 237.313†	-355.1	20.4	0.0110	mg/L	0.0110	mg/L	20:59:25
2	As 188.979†	-8.1	-0.4	0.0016	mg/L	0.0016	mg/L	20:59:25
2	B 182.528†	-29.5	4.9	0.0079	mg/L	0.0079	mg/L	20:59:25
2	Ba 233.527†	423.2	62.0	0.0007	mg/L	0.0007	mg/L	20:59:25
2	Be 313.107†	2801.6	-281.1	-0.0001	mg/L	-0.0001	mg/L	20:59:04
2	Ca 315.886†	-535.7	31.6	-0.0112	mg/L	-0.0112	mg/L	20:59:04
2	Cd 228.802†	639.3	-27.0	-0.0003	mg/L	-0.0003	mg/L	20:59:25
2	Co 228.616†	-115.4	16.7	-0.0007	mg/L	-0.0007	mg/L	20:59:25
2	Cr 267.716†	1730.1	-142.5	-0.0010	mg/L	-0.0010	mg/L	20:59:04

2	Cu 324.752†	4368.8	2260.0	0.0130 mg/L	0.0130 mg/L	20:59:04
2	Fe 238.204†	1540.6	832.4	0.0066 mg/L	0.0066 mg/L	20:59:25
2	Fe 234.349†	888.9	261.9	0.0102 mg/L	0.0102 mg/L	20:59:25
2	Mg 279.077†	-1338.0	128.5	0.0139 mg/L	0.0139 mg/L	20:59:04
2	Mn 257.610†	1373.1	18.7	-0.0017 mg/L	-0.0017 mg/L	20:59:04
2	Mo 202.031†	118.0	14.8	0.0036 mg/L	0.0036 mg/L	20:59:25
2	Na 330.237†	2311.8	-173.2	0.4290 mg/L	0.4290 mg/L	20:59:04
2	Ni 231.604†	120.9	-60.4	-0.0015 mg/L	-0.0015 mg/L	20:59:25
2	Pb 220.353†	61.5	24.5	0.0032 mg/L	0.0032 mg/L	20:59:25
2	Sb 206.836†	40.3	-7.5	0.0006 mg/L	0.0006 mg/L	20:59:25
2	Se 196.026†	-14.4	4.0	0.0106 mg/L	0.0106 mg/L	20:59:25
2	Sn 189.927†	46.4	-59.6	-0.0262 mg/L	-0.0262 mg/L	20:59:25
2	Ti 337.279†	-108.4	223.6	-0.0004 mg/L	-0.0004 mg/L	20:59:04
2	Tl 190.801†	-22.5	5.8	0.0149 mg/L	0.0149 mg/L	20:59:25
2	V 292.402†	3022.4	-173.7	0.0000 mg/L	0.0000 mg/L	20:59:04
2	Zn 213.857†	1531.7	385.5	0.0036 mg/L	0.0036 mg/L	20:59:25

Mean Data: ICCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2358688.8	1.07	mg/L	0.004				0.36%
Ag 328.068†	-105.3	0.0006	mg/L	0.00001	0.0006	mg/L	0.00001	1.25%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 237.313†	10.9	0.0097	mg/L	0.00173	0.0097	mg/L	0.00173	17.83%
QC value within limits for Al 237.313 Recovery = Not calculated								
As 188.979†	-0.8	0.0009	mg/L	0.00099	0.0009	mg/L	0.00099	104.82%
QC value within limits for As 188.979 Recovery = Not calculated								
B 182.528†	7.4	0.0102	mg/L	0.00324	0.0102	mg/L	0.00324	31.71%
QC value within limits for B 182.528 Recovery = Not calculated								
Ba 233.527†	74.9	0.0008	mg/L	0.00010	0.0008	mg/L	0.00010	12.89%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-253.3	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	10.10%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.886†	85.9	-0.0108	mg/L	0.00057	-0.0108	mg/L	0.00057	5.29%
QC value within limits for Ca 315.886 Recovery = Not calculated								
Cd 228.802†	-25.0	-0.0003	mg/L	0.00004	-0.0003	mg/L	0.00004	12.01%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	4.1	-0.0009	mg/L	0.00026	-0.0009	mg/L	0.00026	30.04%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-120.4	-0.0008	mg/L	0.00023	-0.0008	mg/L	0.00023	29.44%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	2317.8	0.0133	mg/L	0.00036	0.0133	mg/L	0.00036	2.69%
QC value greater than the upper limit for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	839.4	0.0066	mg/L	0.00008	0.0066	mg/L	0.00008	1.18%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Fe 234.349†	266.7	0.0103	mg/L	0.00018	0.0103	mg/L	0.00018	1.77%
QC value within limits for Fe 234.349 Recovery = Not calculated								
Mg 279.077†	135.7	0.0142	mg/L	0.00050	0.0142	mg/L	0.00050	3.49%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	12.6	-0.0018	mg/L	0.00001	-0.0018	mg/L	0.00001	0.49%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	10.7	0.0032	mg/L	0.00051	0.0032	mg/L	0.00051	15.73%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	-161.2	0.4448	mg/L	0.02224	0.4448	mg/L	0.02224	5.00%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	-49.2	-0.0013	mg/L	0.00030	-0.0013	mg/L	0.00030	23.21%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	20.4	0.0027	mg/L	0.00063	0.0027	mg/L	0.00063	22.89%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-3.3	0.0018	mg/L	0.00166	0.0018	mg/L	0.00166	94.28%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	3.2	0.0093	mg/L	0.00184	0.0093	mg/L	0.00184	19.78%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-55.0	-0.0245	mg/L	0.00236	-0.0245	mg/L	0.00236	9.62%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	217.3	-0.0004	mg/L	0.00002	-0.0004	mg/L	0.00002	3.84%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801†	11.8	0.0199	mg/L	0.00700	0.0199	mg/L	0.00700	35.26%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-150.8	0.0001	mg/L	0.00016	0.0001	mg/L	0.00016	214.73%

QC value within limits for V 292.402 Recovery = Not calculated

Zn 213.857†	394.0	0.0037 mg/L	0.00013	0.0037 mg/L	0.00013	3.51%	

QC value within limits for Zn 213.857 Recovery = Not calculated
QC Failed. Continue with analysis.

Sequence No.: 39
Sample ID: BH61608-BSD1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 8/16/2006 9:01:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: BH61608-BSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2390823.5	2390823.5	1.08	mg/L			21:02:35
1	Ag 328.068†	78341.2	71736.9	0.2481	mg/L	0.2481	mg/L	21:02:41
1	Al 237.313†	20049.3	18905.3	2.423	mg/L	2.423	mg/L	21:02:41
1	As 188.979†	307.5	291.8	0.4621	mg/L	0.4621	mg/L	21:03:01
1	B 182.528†	562.5	553.1	0.5186	mg/L	0.5186	mg/L	21:03:01
1	Ba 233.527†	92114.0	84903.9	0.4605	mg/L	0.4605	mg/L	21:02:41
1	Be 313.107†	270152.1	247083.3	0.0483	mg/L	0.0483	mg/L	21:02:35
1	Ca 315.886†	755894.2	700000.2	5.180	mg/L	5.180	mg/L	21:02:35
1	Cd 228.802†	21155.7	18951.3	0.2369	mg/L	0.2369	mg/L	21:02:41
1	Co 228.616†	33125.3	30777.2	0.4495	mg/L	0.4495	mg/L	21:02:41
1	Cr 267.716†	71143.6	64071.7	0.4786	mg/L	0.4786	mg/L	21:02:41
1	Cu 324.752†	133871.5	122050.9	0.5369	mg/L	0.5369	mg/L	21:02:41
1	Fe 238.204†	323280.7	298539.2	2.368	mg/L	2.368	mg/L	21:02:41
1	Fe 234.349†	94525.9	86899.9	2.378	mg/L	2.378	mg/L	21:02:41
1	Mg 279.077†	102456.4	96188.3	4.678	mg/L	4.678	mg/L	21:02:41
1	Mn 257.610†	514749.6	475058.1	0.4704	mg/L	0.4704	mg/L	21:02:35
1	Mo 202.031†	6031.9	5486.1	0.4792	mg/L	0.4792	mg/L	21:03:01
1	Na 330.237†	1466780.4	1354950.5	1763	mg/L	1763	mg/L	21:02:35
1	Ni 231.604†	26359.1	24217.9	0.4645	mg/L	0.4645	mg/L	21:02:41
1	Pb 220.353†	4626.2	4247.8	0.4615	mg/L	0.4615	mg/L	21:03:01
1	Sb 206.836†	1818.0	1637.0	0.4540	mg/L	0.4540	mg/L	21:03:01
1	Se 196.026†	653.5	622.2	0.9495	mg/L	0.9495	mg/L	21:03:01
1	Sn 189.927†	1500.7	1285.7	0.4635	mg/L	0.4635	mg/L	21:03:01
1	Ti 337.279†	324599.8	300693.7	0.5096	mg/L	0.5096	mg/L	21:02:35
1	Tl 190.801†	547.0	533.1	0.4515	mg/L	0.4515	mg/L	21:03:01
1	V 292.402†	111920.5	100564.5	0.4822	mg/L	0.4822	mg/L	21:02:41
1	Zn 213.857†	49218.3	44496.7	0.4920	mg/L	0.4920	mg/L	21:02:41
2	Y 360.073	2349261.7	2349261.7	1.06	mg/L			21:03:08
2	Ag 328.068†	76900.3	71662.5	0.2478	mg/L	0.2478	mg/L	21:03:13
2	Al 237.313†	19664.6	18871.2	2.419	mg/L	2.419	mg/L	21:03:13
2	As 188.979†	311.5	300.6	0.4759	mg/L	0.4759	mg/L	21:03:33
2	B 182.528†	565.9	565.5	0.5301	mg/L	0.5301	mg/L	21:03:33
2	Ba 233.527†	90659.5	85042.1	0.4612	mg/L	0.4612	mg/L	21:03:13
2	Be 313.107†	266373.9	247947.9	0.0485	mg/L	0.0485	mg/L	21:03:08
2	Ca 315.886†	746800.3	703810.8	5.208	mg/L	5.208	mg/L	21:03:08
2	Cd 228.802†	20839.8	19000.1	0.2375	mg/L	0.2375	mg/L	21:03:13
2	Co 228.616†	32560.0	30787.1	0.4497	mg/L	0.4497	mg/L	21:03:13
2	Cr 267.716†	69971.8	64132.8	0.4791	mg/L	0.4791	mg/L	21:03:13
2	Cu 324.752†	130988.1	121527.1	0.5346	mg/L	0.5346	mg/L	21:03:13
2	Fe 238.204†	317876.7	298742.5	2.370	mg/L	2.370	mg/L	21:03:13
2	Fe 234.349†	92945.0	86958.7	2.380	mg/L	2.380	mg/L	21:03:13
2	Mg 279.077†	100911.0	96410.3	4.689	mg/L	4.689	mg/L	21:03:13
2	Mn 257.610†	507629.9	476780.2	0.4721	mg/L	0.4721	mg/L	21:03:08
2	Mo 202.031†	5994.5	5549.6	0.4848	mg/L	0.4848	mg/L	21:03:33
2	Na 330.237†	1441119.0	1354796.9	1763	mg/L	1763	mg/L	21:03:08
2	Ni 231.604†	25902.1	24219.1	0.4645	mg/L	0.4645	mg/L	21:03:13
2	Pb 220.353†	4605.2	4303.7	0.4675	mg/L	0.4675	mg/L	21:03:33
2	Sb 206.836†	1792.6	1642.9	0.4556	mg/L	0.4556	mg/L	21:03:33
2	Se 196.026†	657.7	636.8	0.9718	mg/L	0.9718	mg/L	21:03:33
2	Sn 189.927†	1488.6	1298.8	0.4683	mg/L	0.4683	mg/L	21:03:33
2	Ti 337.279†	318673.1	300426.4	0.5092	mg/L	0.5092	mg/L	21:03:08
2	Tl 190.801†	552.9	547.5	0.4635	mg/L	0.4635	mg/L	21:03:33
2	V 292.402†	109992.3	100580.9	0.4823	mg/L	0.4823	mg/L	21:03:13
2	Zn 213.857†	48338.9	44474.3	0.4918	mg/L	0.4918	mg/L	21:03:13

Ba 233.527†	10.9	0.0004 mg/L	0.00019	0.0004 mg/L	0.00019	45.28%	
QC value within limits for Ba 233.527 Recovery = Not calculated							
Be 313.107†	-135.6	-0.0001 mg/L	0.00001	-0.0001 mg/L	0.00001	10.42%	
QC value within limits for Be 313.107 Recovery = Not calculated							
Ca 315.886†	193.6	-0.0100 mg/L	0.00010	-0.0100 mg/L	0.00010	1.04%	
QC value within limits for Ca 315.886 Recovery = Not calculated							
Cd 228.802†	-28.8	-0.0004 mg/L	0.00020	-0.0004 mg/L	0.00020	52.45%	
QC value within limits for Cd 228.802 Recovery = Not calculated							
Co 228.616†	-0.6	-0.0009 mg/L	0.00001	-0.0009 mg/L	0.00001	1.53%	
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr 267.716†	-183.2	-0.0013 mg/L	0.00014	-0.0013 mg/L	0.00014	11.37%	
QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu 324.752†	659.1	0.0060 mg/L	0.00001	0.0060 mg/L	0.00001	0.22%	
QC value within limits for Cu 324.752 Recovery = Not calculated							
Fe 238.204†	-17.4	-0.0001 mg/L	0.00029	-0.0001 mg/L	0.00029	196.68%	
QC value within limits for Fe 238.204 Recovery = Not calculated							
Fe 234.349†	22.9	0.0036 mg/L	0.00020	0.0036 mg/L	0.00020	5.59%	
QC value within limits for Fe 234.349 Recovery = Not calculated							
Mg 279.077†	181.4	0.0165 mg/L	0.00056	0.0165 mg/L	0.00056	3.38%	
QC value within limits for Mg 279.077 Recovery = Not calculated							
Mn 257.610†	146.9	-0.0016 mg/L	0.00001	-0.0016 mg/L	0.00001	0.39%	
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	2.8	0.0025 mg/L	0.00003	0.0025 mg/L	0.00003	1.24%	
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 330.237†	-178.7	0.4213 mg/L	0.02405	0.4213 mg/L	0.02405	5.71%	
QC value within limits for Na 330.237 Recovery = Not calculated							
Ni 231.604†	-92.1	-0.0021 mg/L	0.00038	-0.0021 mg/L	0.00038	17.84%	
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	6.0	0.0012 mg/L	0.00154	0.0012 mg/L	0.00154	131.40%	
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	-7.0	0.0007 mg/L	0.00274	0.0007 mg/L	0.00274	368.99%	
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	1.2	0.0064 mg/L	0.00085	0.0064 mg/L	0.00085	13.39%	
QC value within limits for Se 196.026 Recovery = Not calculated							
Sn 189.927†	-65.3	-0.0282 mg/L	0.00099	-0.0282 mg/L	0.00099	3.52%	
QC value within limits for Sn 189.927 Recovery = Not calculated							
Ti 337.279†	169.7	-0.0005 mg/L	0.00004	-0.0005 mg/L	0.00004	9.37%	
QC value within limits for Ti 337.279 Recovery = Not calculated							
Tl 190.801†	8.9	0.0175 mg/L	0.00291	0.0175 mg/L	0.00291	16.63%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.402†	-198.7	-0.0002 mg/L	0.00007	-0.0002 mg/L	0.00007	43.08%	
QC value within limits for V 292.402 Recovery = Not calculated							
Zn 213.857†	1110.1	0.0117 mg/L	0.00025	0.0117 mg/L	0.00025	2.15%	
QC value greater than the upper limit for Zn 213.857 Recovery = Not calculated							

QC Failed. Continue with analysis.

Sequence No.: 74
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 106
Date Collected: 8/16/2006 11:30:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICSA

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2288099.6	2288099.6	1.03	mg/L			23:31:50
1	Ag 328.068†	1041.7	251.0	0.0018	mg/L	0.0018	mg/L	23:31:56
1	Al 237.313†	1915093.1	1852045.4	237.7	mg/L	237.7	mg/L	23:31:50
1	As 188.979†	-10.7	-3.2	-0.0027	mg/L	-0.0027	mg/L	23:32:16
1	B 182.528†	-12.7	20.3	0.0223	mg/L	0.0223	mg/L	23:32:16
1	Ba 233.527†	1159.8	787.5	0.0046	mg/L	0.0046	mg/L	23:32:16
1	Be 313.107†	9.5	-2892.9	-0.0003	mg/L	-0.0003	mg/L	23:31:56
1	Ca 315.886†	32236195.3	31169529.8	231.1	mg/L	231.1	mg/L	23:31:43
1	Cd 228.802†	700.1	51.8	-0.0012	mg/L	-0.0012	mg/L	23:32:16
1	Co 228.616†	-94.2	33.6	-0.0004	mg/L	-0.0004	mg/L	23:32:16
1	Cr 267.716†	1223.7	-577.9	0.0002	mg/L	0.0002	mg/L	23:32:16
1	Cu 324.752†	1283.3	-586.4	0.0006	mg/L	0.0006	mg/L	23:31:56
1	Fe 238.204†	10874191.2	10513585.8	83.38	mg/L	83.38	mg/L	23:31:43
1	Fe 234.349†	3311267.6	3201076.4	87.65	mg/L	87.65	mg/L	23:31:50

1	Mg 279.077†	4828170.2	4669711.0	226.7 mg/L	226.7 mg/L	23:31:50
1	Mn 257.610†	5922.8	4460.8	0.0056 mg/L	0.0056 mg/L	23:31:56
1	Mo 202.031†	-19.6	-114.5	-0.0015 mg/L	-0.0015 mg/L	23:32:16
1	Na 330.237†	1809.3	-586.7	0.2489 mg/L	0.2489 mg/L	23:31:56
1	Ni 231.604†	104.2	-72.7	-0.0018 mg/L	-0.0018 mg/L	23:32:16
1	Pb 220.353†	-156.6	-184.5	-0.0033 mg/L	-0.0033 mg/L	23:32:16
1	Sb 206.836†	-12.9	-57.7	-0.0134 mg/L	-0.0134 mg/L	23:32:16
1	Se 196.026†	-42.0	-23.1	-0.0306 mg/L	-0.0306 mg/L	23:32:16
1	Sn 189.927†	2.4	-100.7	-0.0411 mg/L	-0.0411 mg/L	23:32:16
1	Ti 337.279†	3120.0	3341.7	0.0049 mg/L	0.0049 mg/L	23:31:56
1	Tl 190.801†	-36.6	-8.5	0.0032 mg/L	0.0032 mg/L	23:32:16
1	V 292.402†	803.1	-2224.7	-0.0098 mg/L	-0.0098 mg/L	23:32:16
1	Zn 213.857†	4728.5	3524.5	0.0386 mg/L	0.0386 mg/L	23:32:16
2	Y 360.073	2276574.6	2276574.6	1.03 mg/L		23:32:36
2	Ag 328.068†	1125.5	337.5	0.0021 mg/L	0.0021 mg/L	23:32:41
2	Al 237.313†	1907474.8	1854016.1	238.0 mg/L	238.0 mg/L	23:32:36
2	As 188.979†	-13.7	-6.1	-0.0072 mg/L	-0.0072 mg/L	23:33:02
2	B 182.528†	-9.5	23.3	0.0251 mg/L	0.0251 mg/L	23:33:02
2	Ba 233.527†	1173.9	806.9	0.0047 mg/L	0.0047 mg/L	23:33:02
2	Be 313.107†	30.5	-2872.5	-0.0003 mg/L	-0.0003 mg/L	23:32:41
2	Ca 315.886†	32528680.1	31611553.9	234.4 mg/L	234.4 mg/L	23:32:28
2	Cd 228.802†	744.6	98.5	-0.0006 mg/L	-0.0006 mg/L	23:33:02
2	Co 228.616†	-60.6	65.8	0.0000 mg/L	0.0000 mg/L	23:33:02
2	Cr 267.716†	1218.2	-577.3	0.0002 mg/L	0.0002 mg/L	23:33:02
2	Cu 324.752†	1248.1	-614.3	0.0005 mg/L	0.0005 mg/L	23:32:41
2	Fe 238.204†	10952031.3	10642457.2	84.40 mg/L	84.40 mg/L	23:32:28
2	Fe 234.349†	3301093.0	3207397.0	87.83 mg/L	87.83 mg/L	23:32:36
2	Mg 279.077†	4814432.9	4679994.3	227.2 mg/L	227.2 mg/L	23:32:36
2	Mn 257.610†	5782.5	4353.5	0.0055 mg/L	0.0055 mg/L	23:32:41
2	Mo 202.031†	-17.9	-112.9	-0.0014 mg/L	-0.0014 mg/L	23:33:02
2	Na 330.237†	1841.4	-546.6	0.3018 mg/L	0.3018 mg/L	23:32:41
2	Ni 231.604†	110.4	-66.2	-0.0016 mg/L	-0.0016 mg/L	23:33:02
2	Pb 220.353†	-163.1	-191.6	-0.0041 mg/L	-0.0041 mg/L	23:33:02
2	Sb 206.836†	-10.5	-55.4	-0.0128 mg/L	-0.0128 mg/L	23:33:02
2	Se 196.026†	-39.5	-20.9	-0.0273 mg/L	-0.0273 mg/L	23:33:02
2	Sn 189.927†	-5.3	-108.1	-0.0438 mg/L	-0.0438 mg/L	23:33:02
2	Ti 337.279†	2972.3	3213.4	0.0047 mg/L	0.0047 mg/L	23:32:41
2	Tl 190.801†	-56.4	-28.0	-0.0129 mg/L	-0.0129 mg/L	23:33:02
2	V 292.402†	767.9	-2255.1	-0.0100 mg/L	-0.0100 mg/L	23:33:02
2	Zn 213.857†	4716.7	3536.1	0.0387 mg/L	0.0387 mg/L	23:33:02

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2282337.1	1.03	mg/L	0.004				0.36%
Ag 328.068†	294.2	0.0019	mg/L	0.00021	0.0019	mg/L	0.00021	10.88%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 237.313†	1853030.8	237.9	mg/L	0.18	237.9	mg/L	0.18	0.07%
QC value within limits for Al 237.313 Recovery = 95.14%								
As 188.979†	-4.6	-0.0050	mg/L	0.00320	-0.0050	mg/L	0.00320	64.66%
QC value within limits for As 188.979 Recovery = Not calculated								
B 182.528†	21.8	0.0237	mg/L	0.00199	0.0237	mg/L	0.00199	8.40%
QC value within limits for B 182.528 Recovery = Not calculated								
Ba 233.527†	797.2	0.0047	mg/L	0.00007	0.0047	mg/L	0.00007	1.59%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-2882.7	-0.0003	mg/L	0.00000	-0.0003	mg/L	0.00000	0.98%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.886†	31390541.9	232.8	mg/L	2.32	232.8	mg/L	2.32	1.00%
QC value within limits for Ca 315.886 Recovery = 93.10%								
Cd 228.802†	75.1	-0.0009	mg/L	0.00042	-0.0009	mg/L	0.00042	47.84%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	49.7	-0.0002	mg/L	0.00033	-0.0002	mg/L	0.00033	160.30%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-577.6	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	5.52%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-600.4	0.0005	mg/L	0.00009	0.0005	mg/L	0.00009	16.10%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	10578021.5	83.89	mg/L	0.723	83.89	mg/L	0.723	0.86%
QC value within limits for Fe 238.204 Recovery = 83.89%								
Fe 234.349†	3204236.7	87.74	mg/L	0.122	87.74	mg/L	0.122	0.14%

QC value within limits for Fe 234.349 Recovery = 87.74%

Mg 279.077†	4674852.6	227.0 mg/L	0.35	227.0 mg/L	0.35	0.16%
QC value within limits for Mg 279.077 Recovery = 90.78%						
Mn 257.610†	4407.2	0.0056 mg/L	0.00007	0.0056 mg/L	0.00007	1.27%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	-113.7	-0.0014 mg/L	0.00011	-0.0014 mg/L	0.00011	7.42%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 330.237†	-566.7	0.2754 mg/L	0.03736	0.2754 mg/L	0.03736	13.57%
QC value within limits for Na 330.237 Recovery = Not calculated						
Ni 231.604†	-69.5	-0.0017 mg/L	0.00009	-0.0017 mg/L	0.00009	5.21%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-188.0	-0.0037 mg/L	0.00053	-0.0037 mg/L	0.00053	14.41%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-56.6	-0.0131 mg/L	0.00046	-0.0131 mg/L	0.00046	3.53%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-22.0	-0.0290 mg/L	0.00232	-0.0290 mg/L	0.00232	8.02%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-104.4	-0.0424 mg/L	0.00190	-0.0424 mg/L	0.00190	4.48%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 337.279†	3277.5	0.0048 mg/L	0.00015	0.0048 mg/L	0.00015	3.21%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	-18.2	-0.0049 mg/L	0.01141	-0.0049 mg/L	0.01141	233.82%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	-2239.9	-0.0099 mg/L	0.00010	-0.0099 mg/L	0.00010	1.03%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 213.857†	3530.3	0.0387 mg/L	0.00009	0.0387 mg/L	0.00009	0.23%
QC value within limits for Zn 213.857 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 75
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 105
Date Collected: 8/16/2006 11:34:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICSAB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2297735.9	2297735.9	1.04	mg/L			23:36:29
1	Ag 328.068†	149457.1	143147.0	0.4940	mg/L	0.4940	mg/L	23:36:34
1	Al 237.313†	1930189.4	1858815.1	238.6	mg/L	238.6	mg/L	23:36:29
1	As 188.979†	-10.0	-2.5	-0.0017	mg/L	-0.0017	mg/L	23:36:55
1	B 182.528†	-10.5	22.4	0.0242	mg/L	0.0242	mg/L	23:36:55
1	Ba 233.527†	45242.1	43227.0	0.2346	mg/L	0.2346	mg/L	23:36:34
1	Be 313.107†	1302272.5	1250977.2	0.2448	mg/L	0.2448	mg/L	23:36:29
1	Ca 315.886†	32467082.3	31261119.4	231.8	mg/L	231.8	mg/L	23:36:20
1	Cd 228.802†	36059.9	34094.8	0.4277	mg/L	0.4277	mg/L	23:36:34
1	Co 228.616†	14854.8	14427.5	0.2106	mg/L	0.2106	mg/L	23:36:55
1	Cr 267.716†	33476.1	30471.0	0.2320	mg/L	0.2320	mg/L	23:36:34
1	Cu 324.752†	55861.5	51958.4	0.2303	mg/L	0.2303	mg/L	23:36:34
1	Fe 238.204†	10942063.4	10534841.1	83.55	mg/L	83.55	mg/L	23:36:20
1	Fe 234.349†	3342540.1	3217759.7	88.11	mg/L	88.11	mg/L	23:36:29
1	Mg 279.077†	4881626.5	4701602.6	228.3	mg/L	228.3	mg/L	23:36:29
1	Mn 257.610†	243748.8	233425.0	0.2332	mg/L	0.2332	mg/L	23:36:34
1	Mo 202.031†	-10.9	-106.1	-0.0006	mg/L	-0.0006	mg/L	23:36:55
1	Na 330.237†	1862.0	-543.2	0.2779	mg/L	0.2779	mg/L	23:36:34
1	Ni 231.604†	23238.7	22201.6	0.4259	mg/L	0.4259	mg/L	23:36:55
1	Pb 220.353†	4105.2	3919.5	0.4402	mg/L	0.4402	mg/L	23:36:55
1	Sb 206.836†	14.8	-31.0	-0.0088	mg/L	-0.0088	mg/L	23:36:55
1	Se 196.026†	-47.4	-28.2	-0.0383	mg/L	-0.0383	mg/L	23:36:55
1	Sn 189.927†	0.6	-102.4	-0.0417	mg/L	-0.0417	mg/L	23:36:55
1	Ti 337.279†	3092.6	3302.6	0.0048	mg/L	0.0048	mg/L	23:36:34
1	Tl 190.801†	-43.6	-15.1	-0.0029	mg/L	-0.0029	mg/L	23:36:55
1	V 292.402†	51428.0	46515.6	0.2237	mg/L	0.2237	mg/L	23:36:34
1	Zn 213.857†	45491.5	42753.5	0.4726	mg/L	0.4726	mg/L	23:36:34
2	Y 360.073	2294267.9	2294267.9	1.04	mg/L			23:37:15
2	Ag 328.068†	150571.4	144439.0	0.4985	mg/L	0.4985	mg/L	23:37:21
2	Al 237.313†	1928207.4	1859713.1	238.7	mg/L	238.7	mg/L	23:37:15
2	As 188.979†	-12.1	-4.4	-0.0048	mg/L	-0.0048	mg/L	23:37:41

2	B 182.528†	-24.1	9.3	0.0120 mg/L	0.0120 mg/L	23:37:41
2	Ba 233.527†	45569.9	43608.9	0.2367 mg/L	0.2367 mg/L	23:37:21
2	Be 313.107†	1301335.0	1251968.5	0.2450 mg/L	0.2450 mg/L	23:37:15
2	Ca 315.886†	32519762.5	31359171.8	232.5 mg/L	232.5 mg/L	23:37:07
2	Cd 228.802†	36342.0	34419.2	0.4318 mg/L	0.4318 mg/L	23:37:21
2	Co 228.616†	14859.4	14453.5	0.2110 mg/L	0.2110 mg/L	23:37:41
2	Cr 267.716†	33696.0	30731.8	0.2340 mg/L	0.2340 mg/L	23:37:21
2	Cu 324.752†	56320.0	52481.8	0.2326 mg/L	0.2326 mg/L	23:37:21
2	Fe 238.204†	10955965.3	10564171.9	83.78 mg/L	83.78 mg/L	23:37:07
2	Fe 234.349†	3338493.4	3218722.2	88.13 mg/L	88.13 mg/L	23:37:15
2	Mg 279.077†	4873448.1	4700821.0	228.2 mg/L	228.2 mg/L	23:37:15
2	Mn 257.610†	244998.3	234984.7	0.2347 mg/L	0.2347 mg/L	23:37:21
2	Mo 202.031†	-20.3	-115.2	-0.0014 mg/L	-0.0014 mg/L	23:37:41
2	Na 330.237†	1865.6	-537.1	0.2857 mg/L	0.2857 mg/L	23:37:21
2	Ni 231.604†	23206.3	22204.2	0.4260 mg/L	0.4260 mg/L	23:37:41
2	Pb 220.353†	4106.0	3926.3	0.4409 mg/L	0.4409 mg/L	23:37:41
2	Sb 206.836†	7.7	-37.8	-0.0107 mg/L	-0.0107 mg/L	23:37:41
2	Se 196.026†	-49.6	-30.4	-0.0416 mg/L	-0.0416 mg/L	23:37:41
2	Sn 189.927†	-7.6	-110.3	-0.0446 mg/L	-0.0446 mg/L	23:37:41
2	Ti 337.279†	3072.8	3288.1	0.0048 mg/L	0.0048 mg/L	23:37:21
2	Tl 190.801†	-64.6	-35.4	-0.0197 mg/L	-0.0197 mg/L	23:37:41
2	V 292.402†	51696.7	46849.6	0.2253 mg/L	0.2253 mg/L	23:37:21
2	Zn 213.857†	45800.8	43118.0	0.4766 mg/L	0.4766 mg/L	23:37:21

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2296001.9	1.04	mg/L	0.001				0.11%
Ag 328.068†	143793.0	0.4962	mg/L	0.00315	0.4962	mg/L	0.00315	0.63%
QC value within limits for Ag 328.068 Recovery = 99.25%								
Al 237.313†	1859264.1	238.7	mg/L	0.08	238.7	mg/L	0.08	0.03%
QC value within limits for Al 237.313 Recovery = 95.46%								
As 188.979†	-3.4	-0.0033	mg/L	0.00218	-0.0033	mg/L	0.00218	66.97%
QC value within limits for As 188.979 Recovery = Not calculated								
B 182.528†	15.8	0.0181	mg/L	0.00865	0.0181	mg/L	0.00865	47.75%
QC value within limits for B 182.528 Recovery = Not calculated								
Ba 233.527†	43418.0	0.2357	mg/L	0.00146	0.2357	mg/L	0.00146	0.62%
QC value within limits for Ba 233.527 Recovery = 94.27%								
Be 313.107†	1251472.8	0.2449	mg/L	0.00014	0.2449	mg/L	0.00014	0.06%
QC value within limits for Be 313.107 Recovery = 97.95%								
Ca 315.886†	31310145.6	232.2	mg/L	0.51	232.2	mg/L	0.51	0.22%
QC value within limits for Ca 315.886 Recovery = 92.86%								
Cd 228.802†	34257.0	0.4297	mg/L	0.00290	0.4297	mg/L	0.00290	0.67%
QC value within limits for Cd 228.802 Recovery = 85.94%								
Co 228.616†	14440.5	0.2108	mg/L	0.00027	0.2108	mg/L	0.00027	0.13%
QC value within limits for Co 228.616 Recovery = 84.32%								
Cr 267.716†	30601.4	0.2330	mg/L	0.00138	0.2330	mg/L	0.00138	0.59%
QC value within limits for Cr 267.716 Recovery = 93.20%								
Cu 324.752†	52220.1	0.2314	mg/L	0.00162	0.2314	mg/L	0.00162	0.70%
QC value within limits for Cu 324.752 Recovery = 92.57%								
Fe 238.204†	10549506.5	83.66	mg/L	0.164	83.66	mg/L	0.164	0.20%
QC value within limits for Fe 238.204 Recovery = 83.66%								
Fe 234.349†	3218240.9	88.12	mg/L	0.019	88.12	mg/L	0.019	0.02%
QC value within limits for Fe 234.349 Recovery = 88.12%								
Mg 279.077†	4701211.8	228.2	mg/L	0.03	228.2	mg/L	0.03	0.01%
QC value within limits for Mg 279.077 Recovery = 91.30%								
Mn 257.610†	234204.9	0.2340	mg/L	0.00110	0.2340	mg/L	0.00110	0.47%
QC value within limits for Mn 257.610 Recovery = 93.59%								
Mo 202.031†	-110.6	-0.0010	mg/L	0.00055	-0.0010	mg/L	0.00055	55.85%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	-540.2	0.2818	mg/L	0.00554	0.2818	mg/L	0.00554	1.97%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	22202.9	0.4259	mg/L	0.00003	0.4259	mg/L	0.00003	0.01%
QC value within limits for Ni 231.604 Recovery = 85.19%								
Pb 220.353†	3922.9	0.4406	mg/L	0.00052	0.4406	mg/L	0.00052	0.12%
QC value within limits for Pb 220.353 Recovery = 88.11%								
Sb 206.836†	-34.4	-0.0097	mg/L	0.00137	-0.0097	mg/L	0.00137	14.06%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-29.3	-0.0400	mg/L	0.00236	-0.0400	mg/L	0.00236	5.90%
QC value within limits for Se 196.026 Recovery = Not calculated								

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Sn 189.927†          -106.4     -0.0431 mg/L       0.00202     -0.0431 mg/L       0.00202   4.68%
  QC value within limits for Sn 189.927  Recovery = Not calculated
Ti 337.279†          3295.4      0.0048 mg/L       0.00002      0.0048 mg/L       0.00002   0.36%
  QC value within limits for Ti 337.279  Recovery = Not calculated
Tl 190.801†           -25.3     -0.0113 mg/L       0.01188     -0.0113 mg/L       0.01188 104.93%
  QC value within limits for Tl 190.801  Recovery = Not calculated
V 292.402†          46682.6      0.2245 mg/L       0.00113      0.2245 mg/L       0.00113   0.50%
  QC value within limits for V 292.402  Recovery = 89.80%
Zn 213.857†         42935.8      0.4746 mg/L       0.00287      0.4746 mg/L       0.00287   0.60%
  QC value within limits for Zn 213.857  Recovery = 94.92%
All analyte(s) passed QC.
```

Sequence No.: 76 **Autosampler Location: 0**
Sample ID: WASH **Date Collected: 8/16/2006 11:39:19 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: WASH

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.073	2301704.2	2301704.2	1.04	mg/L			23:40:45
1	Ag 328.068†	881.5	91.1	0.0012	mg/L	0.0012	mg/L	23:40:50
1	Al 237.313†	-79.8	275.9	0.0434	mg/L	0.0434	mg/L	23:41:11
1	As 188.979†	-7.0	0.5	0.0030	mg/L	0.0030	mg/L	23:41:11
1	B 182.528†	-22.9	10.5	0.0132	mg/L	0.0132	mg/L	23:41:11
1	Ba 233.527†	1248.7	866.3	0.0051	mg/L	0.0051	mg/L	23:41:11
1	Be 313.107†	3490.9	453.3	0.0001	mg/L	0.0001	mg/L	23:40:50
1	Ca 315.886†	32659.9	31924.8	0.2253	mg/L	0.2253	mg/L	23:40:50
1	Cd 228.802†	703.5	51.0	0.0006	mg/L	0.0006	mg/L	23:41:11
1	Co 228.616†	-85.5	42.6	-0.0003	mg/L	-0.0003	mg/L	23:41:11
1	Cr 267.716†	2182.7	336.9	0.0026	mg/L	0.0026	mg/L	23:40:50
1	Cu 324.752†	3766.7	1793.3	0.0110	mg/L	0.0110	mg/L	23:40:50
1	Fe 238.204†	9704.8	8719.1	0.0691	mg/L	0.0691	mg/L	23:40:50
1	Fe 234.349†	3166.3	2473.7	0.0707	mg/L	0.0707	mg/L	23:40:50
1	Mg 279.077†	-436.9	960.3	0.0542	mg/L	0.0542	mg/L	23:40:50
1	Mn 257.610†	4127.1	2701.0	0.0009	mg/L	0.0009	mg/L	23:40:50
1	Mo 202.031†	116.5	16.4	0.0037	mg/L	0.0037	mg/L	23:41:11
1	Na 330.237†	2632.3	194.1	0.9060	mg/L	0.9060	mg/L	23:40:50
1	Ni 231.604†	184.4	3.8	-0.0003	mg/L	-0.0003	mg/L	23:41:11
1	Pb 220.353†	115.8	78.2	0.0090	mg/L	0.0090	mg/L	23:41:11
1	Sb 206.836†	51.7	4.4	0.0039	mg/L	0.0039	mg/L	23:41:11
1	Se 196.026†	-18.4	-0.2	0.0042	mg/L	0.0042	mg/L	23:41:11
1	Sn 189.927†	68.6	-37.0	-0.0180	mg/L	-0.0180	mg/L	23:41:11
1	Ti 337.279†	1793.7	2049.0	0.0027	mg/L	0.0027	mg/L	23:40:50
1	Tl 190.801†	-16.7	10.9	0.0191	mg/L	0.0191	mg/L	23:41:11
1	V 292.402†	3196.9	71.5	0.0012	mg/L	0.0012	mg/L	23:40:50
1	Zn 213.857†	2957.9	1795.6	0.0193	mg/L	0.0193	mg/L	23:41:11
2	Y 360.073	2317957.6	2317957.6	1.05	mg/L			23:41:16
2	Ag 328.068†	829.5	35.5	0.0010	mg/L	0.0010	mg/L	23:41:22
2	Al 237.313†	-106.6	250.9	0.0402	mg/L	0.0402	mg/L	23:41:42
2	As 188.979†	-5.9	1.5	0.0047	mg/L	0.0047	mg/L	23:41:42
2	B 182.528†	-22.5	11.1	0.0137	mg/L	0.0137	mg/L	23:41:42
2	Ba 233.527†	1266.9	875.3	0.0051	mg/L	0.0051	mg/L	23:41:42
2	Be 313.107†	3524.5	461.8	0.0001	mg/L	0.0001	mg/L	23:41:22
2	Ca 315.886†	32960.8	31991.8	0.2258	mg/L	0.2258	mg/L	23:41:22
2	Cd 228.802†	686.5	30.1	0.0004	mg/L	0.0004	mg/L	23:41:42
2	Co 228.616†	-74.7	53.4	-0.0002	mg/L	-0.0002	mg/L	23:41:42
2	Cr 267.716†	2052.7	198.1	0.0016	mg/L	0.0016	mg/L	23:41:22
2	Cu 324.752†	3751.7	1753.5	0.0108	mg/L	0.0108	mg/L	23:41:22
2	Fe 238.204†	9495.2	8453.7	0.0670	mg/L	0.0670	mg/L	23:41:22
2	Fe 234.349†	3254.3	2536.3	0.0724	mg/L	0.0724	mg/L	23:41:22
2	Mg 279.077†	-586.9	820.1	0.0474	mg/L	0.0474	mg/L	23:41:22
2	Mn 257.610†	4184.0	2727.5	0.0009	mg/L	0.0009	mg/L	23:41:22
2	Mo 202.031†	121.5	20.4	0.0041	mg/L	0.0041	mg/L	23:41:42
2	Na 330.237†	2605.1	150.3	0.8492	mg/L	0.8492	mg/L	23:41:22
2	Ni 231.604†	182.3	0.5	-0.0004	mg/L	-0.0004	mg/L	23:41:42
2	Pb 220.353†	110.8	72.6	0.0084	mg/L	0.0084	mg/L	23:41:42
2	Sb 206.836†	43.2	-4.0	0.0015	mg/L	0.0015	mg/L	23:41:42

2	Se 196.026†	-18.4	-0.1	0.0044 mg/L	0.0044 mg/L	23:41:42
2	Sn 189.927†	63.3	-42.6	-0.0200 mg/L	-0.0200 mg/L	23:41:42
2	Ti 337.279†	1796.4	2039.6	0.0027 mg/L	0.0027 mg/L	23:41:22
2	Tl 190.801†	-27.2	0.9	0.0109 mg/L	0.0109 mg/L	23:41:42
2	V 292.402†	3172.4	26.6	0.0009 mg/L	0.0009 mg/L	23:41:22
2	Zn 213.857†	2892.4	1713.1	0.0184 mg/L	0.0184 mg/L	23:41:42

Mean Data: WASH

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2309830.9	1.04	mg/L	0.005				0.50%
Ag 328.068†	63.3	0.0011	mg/L	0.00014	0.0011	mg/L	0.00014	11.85%
Al 237.313†	263.4	0.0418	mg/L	0.00228	0.0418	mg/L	0.00228	5.45%
As 188.979†	1.0	0.0038	mg/L	0.00121	0.0038	mg/L	0.00121	31.46%
B 182.528†	10.8	0.0134	mg/L	0.00037	0.0134	mg/L	0.00037	2.78%
Ba 233.527†	870.8	0.0051	mg/L	0.00003	0.0051	mg/L	0.00003	0.68%
Be 313.107†	457.6	0.0001	mg/L	0.00000	0.0001	mg/L	0.00000	1.77%
Ca 315.886†	31958.3	0.2256	mg/L	0.00035	0.2256	mg/L	0.00035	0.16%
Cd 228.802†	40.6	0.0005	mg/L	0.00019	0.0005	mg/L	0.00019	38.60%
Co 228.616†	48.0	-0.0002	mg/L	0.00011	-0.0002	mg/L	0.00011	48.40%
Cr 267.716†	267.5	0.0021	mg/L	0.00073	0.0021	mg/L	0.00073	34.78%
Cu 324.752†	1773.4	0.0109	mg/L	0.00012	0.0109	mg/L	0.00012	1.13%
Fe 238.204†	8586.4	0.0681	mg/L	0.00149	0.0681	mg/L	0.00149	2.19%
Fe 234.349†	2505.0	0.0716	mg/L	0.00121	0.0716	mg/L	0.00121	1.70%
Mg 279.077†	890.2	0.0508	mg/L	0.00482	0.0508	mg/L	0.00482	9.50%
Mn 257.610†	2714.2	0.0009	mg/L	0.00002	0.0009	mg/L	0.00002	2.00%
Mo 202.031†	18.4	0.0039	mg/L	0.00025	0.0039	mg/L	0.00025	6.33%
Na 330.237†	172.2	0.8776	mg/L	0.04021	0.8776	mg/L	0.04021	4.58%
Ni 231.604†	2.2	-0.0003	mg/L	0.00004	-0.0003	mg/L	0.00004	13.87%
Pb 220.353†	75.4	0.0087	mg/L	0.00042	0.0087	mg/L	0.00042	4.88%
Sb 206.836†	0.2	0.0027	mg/L	0.00166	0.0027	mg/L	0.00166	61.15%
Se 196.026†	-0.1	0.0043	mg/L	0.00008	0.0043	mg/L	0.00008	1.76%
Sn 189.927†	-39.8	-0.0190	mg/L	0.00142	-0.0190	mg/L	0.00142	7.49%
Ti 337.279†	2044.3	0.0027	mg/L	0.00001	0.0027	mg/L	0.00001	0.42%
Tl 190.801†	5.9	0.0150	mg/L	0.00580	0.0150	mg/L	0.00580	38.75%
V 292.402†	49.0	0.0010	mg/L	0.00016	0.0010	mg/L	0.00016	15.01%
Zn 213.857†	1754.3	0.0189	mg/L	0.00065	0.0189	mg/L	0.00065	3.44%

Metals
Logbooks

PREPARATION BATCH SUMMARY

6010B

Laboratory: ESS Laboratory SDG: 0608297

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Batch: BH61616 Batch Matrix: Solid Preparation: 3050B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
SS-SI78 N	0608297-01	081606XAD-017	08/16/06 16:30	
Blank	BH61616-BLK1	081606xbd-016	08/16/06 16:30	
LCS	BH61616-BS1	081606xbd-017	08/16/06 16:30	
LCS Dup	BH61616-BSD1	081606xbd-018	08/16/06 16:30	
SS-SI78 N	BH61616-DUP2	081606XAD-018	08/16/06 16:30	
SS-SI78 N	BH61616-MS2	081606XAD-019	08/16/06 16:30	
SS-SI78 N	BH61616-PS1	081606XAD-021	08/16/06 16:30	[Spk] 1.51g->100ml; 10ml->10ml; Spiked 10ml
Reference	BH61616-SRM1	081606xbd-019	08/16/06 16:30	
Reference	BH61616-SRM2	081606xbd-020	08/16/06 16:30	

ESS LABORATORY
ICP II TRAY SEQUENCE LOGBOOK

STD 1/Wash: 6H15053
STD2 ID: 6H16m6
STD3 ID: 6H16m7
STD4 ID: 6H16m8
CRI 1: 6H16013 CRI 2: 6H16013 CRI 3: 6H16014

ICSAB ID: 6H03055 ICSA ID: 6H03057
ICCV ID: ~~6H16m9~~ 6H16m
IS ID: 6H15057

#	SAMPLE	#	SAMPLE	#	SAMPLE	#	SAMPLE
1	STD 1/Wash:	31	0608393-01	61	~~0607955-03~~	91	
2	STD 2	32	0608397-01	62	-04	92	
3	STD 3	33	BH61616-BLK3	63	~~0607955-05x10 (1/m)~~	93	
4	STD 4	34	-BS2	64	-06x10 (1/m)	94	
5	ICCV	35	-SD3	65	-07x10 (1/m)	95	
6	CRI 1	36	-PDS2	66	-08x10 (1/m)	96	
7	CRI 2	37	BH61608-BLK3	67	0608373-01x100 *	97	
8	CRI 3	38	-BS1	68		98	
9	BH61616-BLK3	39	-MS3	69		99	
10	-BS1	40	0608351-01TEL	70		100	
11	-MS01	41	-03TEL	71		101	
12	-SM1	42	BH61608-DUP1	72		102	
13	-SM3	43	-MS1	73		103	
14	0608397-01x10 (1/m)	44	-SM	74		104	
15	BH61616-DUP3x10 (1/m)	45	-MS4	75		105	ICSAB
16	-MS3x10 (1/m)	46	BH61609-BLK3	76		106	ICSA
17	-SD3x5 (1/m)	47	-BS1	77			
18	-PDS2x10 (1/m)	48	-BS3	78			
19	0608396-03TEL	49	0608351-03TEL	79			
20	0608396-03	50	BH61609-DUP1	80			
21	0608315-01	51	-MS1	81			
22	-02	52	-SM1	82			
23	0608388-04	53	-MS4	83			
24	0608389-01	54	BH61608-BLK1	84			
25	0608390-01	55	-BS1	85			
26	BH61616-DUP3	56	-BS3	86			
27	-MS1	57	-SM1	87			
28	-SD1	58	-SM3x10 (1/m)	88			
29	-PDS1	59	~~0608396-05~~ 0608396-01	89			
30	0608392-01	60	-02	90			

N/A

SIF: 081606x4
RDS:
METHOD:
METHOD:
ANALYST:
DATE:

CONTROL# 30.0006-0602A

* 1 (1/m) / 100

Page

057 05

ESS LABORATORY
Percent Solids Logbook

Date/ Time	Lab ID	Pan WT. (g)	Wet WT. (g)	Dry WT. (g)	Percent Solid	Wet wt. Init.	Dry wt./1st Rvw Init.	2nd Rvw Init.
8/14/06	0608248-06	1.3	11.3	10.5	92	SRD	HWW	MDP
	-07	1.3	11.3	10.9	96			
	-08	1.3	11.3	3.5	22			
	-09	1.3	11.3	10.6	93			
	-09 Dup	1.3	11.3	10.7	94			
	-10	1.3	11.3	10.7	94			
↓	-11	1.3	11.3	11.2	99	↓		
8/14/06	-01	1.3	11.3	7.7	64	SRD		
	0608251-01	1.3	11.3	9.9	86			
↓	-02	1.3	11.3	9.6	83	↓	↓	↓
8/14/06	-03	1.3	11.3	9.9	86	SRD	HWW	MDP
8/16/06	Blank BH6179	1.3	1.3	1.3	100	SRD		
	0608284-01	1.3	11.3	11.0	97			
	-01 Dup	1.3	11.3	11.0	97			
	-02	1.3	11.3	10.6	93			
	0608285-01	1.3	11.3	8.9	76			
	-02	1.3	11.3	10.5	92			
	-03	1.3	11.3	10.3	90			
	-04	1.3	11.3	10.0	87			
	-05	1.3	11.3	10.2	89	↓		
	-06	1.3	11.3	10.4	91	SRD		
↓	0608288-01	1.3	11.3	9.4	81	↓	C	↓
8/16/06	0608289-01	1.3	11.3	10.4	91	SRD	HWW	MDP

Criteria: Dup RPD ≤ 20%

Control #50.0006-0602A HWW 8/17/06

Page _____

(7)

(CU)

MDP

ESS LABORATORY
Percent Solids Logbook

Date/ Time	Lab ID	Pan WT. (g)	Wet WT. (g)	Dry WT. (g)	Percent Solid	Wet wt. Init.	Dry wt./1st Rvw Init.	2nd Rvw Init.
8/16/06	0608290-01	1.3	11.3	10.5	92	SBD	KWW	MP
	0608258-06	1.3	11.3	10.2	89	MH		
	0608262-01	1.3	11.3	9.7	84	L		
8/16/06	[redacted]	1.3	11.3	6.2	49	MH	KWW	MP
8/17/06	BLANK	1.3	1.3			KWW		
7:45 AM	0608299-01	1.3	11.3					
	02	1.3	11.3					
	03	1.3	11.3					
	0608303-01	1.3	11.3					
	~~02~~	1.3	11.3					
	~~03~~	1.3	11.3					
	~~04~~	1.3	11.3					
	0608305-01	1.3	11.3					
	02	1.3	11.3					
	03	1.3	11.3					
	04	1.3	11.3					
	05	1.3	11.3					
	06	1.3	11.3					
	07	1.3	11.3					
	~~08~~	1.3	11.3					
	0608306-01	1.3	11.3					
8/17/06	02	1.3	11.3			KWW		

Criteria: Dup RPD ≤ 20% KWW 8/17/06 Control #50.0006-0602A Page_____

ESS LABORATORY
METALS PREP LOGBOOK

ANALYST: MB
DATE: 8/16/01
TIME: 16:30
Batch ID: BW61616

HNO_3 Reagent - AR# : 060803D
1:1 HCl Reagent- WR#: 060803B
1:1 HNO_3 Reagent- WR#: 060727F
H_2O_2 Reagent- AR#: 060612C

Hot Plate	Temp (°C)
HB #3	95

Sample ID	matrix	pH	Initial wgt/vol	Final wgt/vol	QC ID/Lot #	QC wgt/vol	Method	Hot Plate Number	Comments
BW61616-BLK1	S	"	"	10ml	"	"	3050	HB#3	
-BS1					6EM037	0.5ml			
-BD1			" "		6EM037	0.5ml			
-SM1	S		1.0g		6EM057	"			
-SM2	O		1.0g		5J3015				
08206-03TCLP	Solvent		10ml		"				9.15g
08206-03	Solvent		10ml						9.04g
08215-01	Solid		1.05g						
-02	Solid		1.03g						
08288-01	S		1.76g						
08289-01			1.75g						
08290-01			1.77g						
BW61616-MS1			1.75g		"	"			
-MD1	S		1.82g		6EM037	0.5ml			
08292-01	Solid		1.91g		"	"			
-02	Solid		1.00g						
[redacted]	S		1.5g						
BW61616-MB2	S	"	1.53g	1ml	"	"	3050	HB#3	

CONTROL# 30.0014-0604A Page_____

MATRIX KEY: AQ = AQUEOUS, S = SOIL, O = OIL, F = FILTER, D = SLUDGE

ESS LABORATORY
METALS PREP LOGBOOK

ANALYST: MB

DATE: 8/16/16

TIME: 16:30

Batch ID: BH616I6

HNO_3 Reagent - AR# : 0160930

1:1 HCl Reagent- WR#: 0150930

1:1 HNO_3 Reagent- WR#: 0602727F

H_2O_2 Reagent- AR#: 0606126

Hot Plate	Temp (°C)
HB#3	95

Sample ID	matrix	pH	Initial wgt/vol	Final wgt/vol	QC ID/Lot #	QC wgt/vol	Method	Hot Plate Number	Comments
BH616I6-MSD	S	~	1.5g	10ml	6160037	0.5ml	3050	HB#3	

CONTROL# 30.0014-0604A Page_____

MATRIX KEY: AQ = AQUEOUS, S = SOIL, O = OIL, F = FILTER, D = SLUDGE

HOLDING TIME SUMMARY
6010B

Laboratory: ESS Laboratory SDG: 0608297

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SS-SI78 N	08/16/06 15:15	08/16/06 16:10	08/16/06 16:30	0.05	180.00	08/16/06 20:23	0.21	180.00	

Sample and Cooler Receipt Checklist

Client: Mactec
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 06080297
Date Project Due: 8/17/06
Days For Project: 1 Day

Items to be checked upon receipt:

1. Air Bill Manifest Present?	* No	10. Are the samples properly preserved?	Yes
Air No.:		11. Proper sample containers used?	Yes
2. Were Custody Seals Present?	No	12. Any air bubbles in the VOA vials?	N/A
3. Were Custody Seals Intact?	N/A	13. Holding times exceeded?	No
4. Is Radiation count < 100 CPM?	Yes	14. Sufficient sample volumes?	Yes
5. Is a cooler present?	* No	15. Any Subcontracting needed?	No
Cooler Temp: **N/A**		16. Are ESS labels on correct containers?	Yes No
Iced With: **None**		17. Were samples received intact?	Yes No
6. Was COC included with samples?	Yes	ESS Sample IDs:	
7. Was COC signed and dated by client?	Yes	Sub Lab:	
8. Does the COC match the sample	Yes	Analysis:	
9. Is COC complete and correct?	Yes	TAT:	

18. Was there need to call project manager to discuss status? If yes, please explain.

_____

_____

_____

Who was called?: _____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	8 oz Soil Jar	1	NP

Completed By: TO Date/Time: 8/16/06
Reviewed By: STD Date/Time: 8-16-06

Project Number	Sample Numbe	Container Number	Preservative		
6080297	1	181,122	NP		
Sample Log at: 8/16/2006	4:15PM	by: John Davis	To:	Metals	
Sample Log at: 8/16/2006	4:44PM	by: Keith Banks	To:	Metals	For: Metals (Total) Prep
Sample Log at: 8/16/2006	4:57PM	by: Keith Banks	To:	5 - Walk-In	
Sample Log at: 8/16/2006	5:03PM	by: Mitch Manter	To:	OP	For: %Solids
Sample Log at: 8/16/2006	5:13PM	by: Mitch Manter	To:	5 - Walk-In	

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other 24 HR
If faster than 5 days, prior approval by laboratory is required # _____
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other _____
Is this project for any of the following:
MA-MCP Navy USACE Other _____

Reporting Limits

ESS LAB PROJECT ID: 06082797

Electronic Deliverable (Yes) ___ No
Format: Excel (Access) PDF Other _____

Co. Name	Project #	Project Name (20 Char. or less)
MACTEC	3650050041 for	CORHAM

Contact Person	Address
CHRIS RICARD	—

City	State	Zip	PO#
—	—	—	—

Telephone #	Fax #	Email Address
—	—	—

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers
1	8/16/06	1515		X	S	SS-SI78N	1	1	G

Write Required Analysis: Copper Only

Container Type: P-Poly G-Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ___ Yes (No) Internal Use Only
Seals Intact ___ Yes ___ No NA: ___ [ ] Pickup
Cooler Temp: N/A Dou [ ] Technicians ___

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____

Sampled by: DARON KURKJIAN

Comments: 339-927-4179 CALL W/ RESULTS e-mail to BJRODENO mactec.com D.KURKJIAN + MIKE MURPHY

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	08/16/06 1610	[signature]	8-16-06 16:10				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 A