QUALITY ASSURANCE PROJECT PLAN
DuPont East Chicago - Riley Park Residential Sampling
East Chicago, Indiana
IND 005 174 254

November 1, 2004

A1. Approvals

PREPARED BY: Brian P. Freeman, Sr. Chemist and CA Project Manager
Corrective Action Section, Enforcement & Compliance Assurance Br.
Waste, Pesticides and Toxics Division, USEPA, REGION 5

APPROVED BY: _____ DATE: 10/26/04
Jamie L. Paulin, Chemist, Quality Assurance
Compliance Section 1, Enforcement and Compliance Assurance Br.
Waste, Pesticides and Toxics Branch, USEPA Region 5

APPROVED BY: _____ DATE: 10/26/04
George Hamper, Chief
Corrective Action Section, Enforcement and Compliance Assurance Br
Waste, Pesticides and Toxics Branch, USEPA Region 5

APPROVED BY: _____ DATE: 10/27/04
Harriet Croke, Chief
Enforcement and Compliance Assurance Branch
Waste, Pesticides & Toxics Division, USEPA, Region 5

US EPA RECORDS CENTER REGION 5
1003348

Notes:
Symbols centered over sample location.

Sources:
DuPont and CH2M HILL

Legend

- DuPont Property Line
- Areas of Concern
- Solid Waste Management Units
- Example of Overlapping Areas of Concern
- Monitoring Well Location
- Subsurface Sampling Location
- Surface Sampling Location
- Both = (Surface/Subsurface Sampling Location)
- P-25 New Piezometer
- MW-18 Existing Monitoring Well
- S-4 New Staff Gauge
- P-9 Existing Piezometer
- MW-25 New Monitoring Well
- P-12, MW-21 Existing Monitoring Well/Piezometer
- MW-25 Shelby Tube Sample

0 150 300
FEET

NO.	REVISIONS	BY	DATE
1	Corrected SWMU'S and oring locations labels.	L.R.	05/24/99
	Piezometer locations ar approximate.		

		INITIALS
DESIGNED		
DRAWN	D.H. ENGLISH	
CHECKED	P.J. CHEN	
APPROVED(DESIGN)	A.P. EGLER	
APPROVED(CONSTRUCTION)		

DUPONT

Corporate Remediation Group

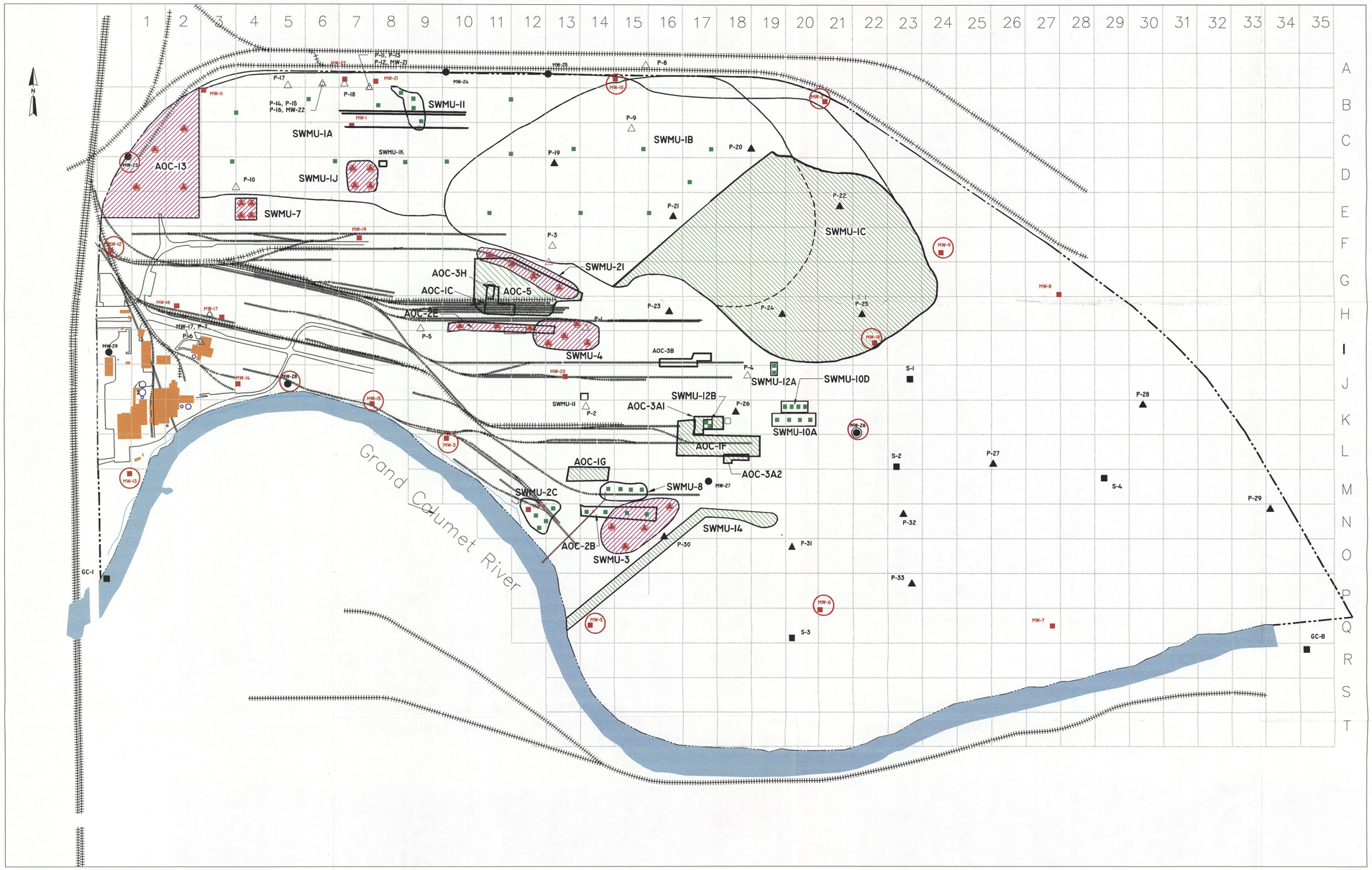
An Alliance between DuPont and The W-C Diamond Group

Barley Mill Plaza, Building 27
Wilmington, Delaware 19880-0027

SWMU and AOC Locations
Overall Site Map
and Phase I Activities

DuPont East Chicago Facility
and Northwest Indiana Region
East Chicago, Illinois

SCALE	DATE	DRAWING NO.	FIGURE
1" = 300'	SEPT 26, 2003	FIG_2-1	2-1



Notes:
Symbols centered over sample location.

Sources:
DuPont and CH2M HILL

Legend

- DuPont Property Line
- AOC-12 — Areas of Concern
- SWMU-7 — Solid Waste Management Units
- Monitoring Well Location
- P-9 — Existing Piezometer
- P-12, MW-21 — Existing Monitoring Well/Piezometer

Phase I RFI

- S-4 — New Staff Gauge
- MW-25 — New Monitoring Well
- P-25 — New Piezometer

Phase II RFI

- Surficial Soil Samples
- Characterize and Evaluate Remedial Technologies
- Characterization Boring
- MW-6 — Part of Site-wide Groundwater Monitoring Program
- SWMU/AOC with Groundwater as Primary Pathway of Concern

0 150 300
FEET

NO.	REVISIONS	BY	DATE
1	Corrected SWMU'S and boring locations labels.	L.R.	05/24/99
	Piezometer locations are approximate.		

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Wilmington, Delaware 19880-0027

Phase II RFI Work Plan
Sampling Locations

DuPont East Chicago Facility
and Northwest Indiana Region
East Chicago, Illinois

SCALE	DATE	DRAWING NO.	FIGURE
1" = 300'	Sept. 26, 2003	FIG. 2-2	2-2

IND 005 174 254

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: 7/6/2005

Subject: Review of Region 5 Data for DuPont East Chicago

From: John Morris, Group Leader
Region 5 Central Regional Laboratory

To: RCRA, WPTD, US EPA Region 5
77 West Jackson Boulevard
Chicago, IL 60604

The data being transmitted under this cover memo successfully passed CRL's internal data review procedures as documented in our current Quality Management Plan (QMP) and appropriate Standard Operating Procedures (SOPs). Please be aware that CRL does not perform data validation which is based on your data quality objectives. This function must be performed independently of the laboratory generating the data

Attached are Results for: DuPont East Chicago

Analyses included in this report:

As GFAA SimAA (W)	Sb GFAA SimAA (W)	Se GFAA SimAA (W)
Tl GFAA SimAA (W)		

Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

RCRA, WPTD, US EPA Region 5	Project: DuPont East Chicago	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Brian Freeman	Jul-06-05 12:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
2005RC09S01-Kennedy (ms/msd)	0506008-01	Water	Jun-09-05 10:35	Jun-09-05 13:25
2005RC09D01-Kennedy (DUPLICATE)	0506008-02	Water	Jun-09-05 10:25	Jun-09-05 13:25
2005RC09S02 (CLINE)	0506008-03	Water	Jun-09-05 10:50	Jun-09-05 13:25
2005RC09D02 DUPLICATE (CLINE)	0506008-04	Water	Jun-09-05 10:50	Jun-09-05 13:25

John Morris, Group Leader

Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

RCRA, WPTD, US EPA Region 5	Project: DuPont East Chicago	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Brian Freeman	Jul-06-05 12:48

Metals by GFAA
US EPA Region 5 Central Regional Laboratory

2005RC09S01-Kennedy (ms/msd) (0506008-01) Water Sampled: Jun-09-05 10:35 Received: Jun-09-05 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Antimony	U			0.0040	mg/L	1	B506034	Jun-14-05	Jun-28-05
Arsenic	**0.0020**			0.0020	"	"	"	"	Jun-28-05
Selenium	U			0.0040	"	"	"	"	Jun-29-05
Thallium	U			0.0020	"	"	"	"	Jun-29-05

2005RC09D01-Kennedy (DUPLICATE) (0506008-02) Water Sampled: Jun-09-05 10:25 Received: Jun-09-05 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Antimony	U			0.0040	mg/L	1	B506034	Jun-14-05	Jun-28-05
Arsenic	U			0.0020	"	"	"	"	Jun-28-05
Selenium	U			0.0040	"	"	"	"	Jun-29-05
Thallium	U			0.0020	"	"	"	"	Jun-29-05

2005RC09S02 (CLINE) (0506008-03) Water Sampled: Jun-09-05 10:50 Received: Jun-09-05 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Antimony	U			0.0040	mg/L	1	B506034	Jun-14-05	Jun-28-05
Arsenic	**0.0021**			0.0020	"	"	"	"	Jun-28-05
Selenium	U			0.0040	"	"	"	"	Jun-29-05
Thallium	U			0.0020	"	"	"	"	Jun-29-05

2005RC09D02 DUPLICATE (CLINE) (0506008-04) Water Sampled: Jun-09-05 10:50 Received: Jun-09-05 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Antimony	U			0.0040	mg/L	1	B506034	Jun-14-05	Jun-28-05
Arsenic	**0.0024**			0.0020	"	"	"	"	Jun-28-05
Selenium	U			0.0040	"	"	"	"	Jun-29-05
Thallium	U			0.0020	"	"	"	"	Jun-29-05

John Morris, Group Leader

Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

RCRA, WPTD, US EPA Region 5	Project: DuPont East Chicago	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Brian Freeman	Jul-06-05 12:48

Notes and Definitions

U	Not Detected
NR	Not Reported

John Morris, Group Leader

Date: 1 July 2005
Analyst: John V. Morris
Work Order Number: 0506008
Facility Name: DuPont East Chicago
Analyte: Antimony, Arsenic, Selenium and Thallium in Water

Narrative for the Analysis of Antimony, Arsenic, Selenium and Thallium in Water in Work Order 0506008

On 9 June 2005, four (4) water samples were received at CRL for analysis of metals. The samples were collected by the RCRA program on 9 June 2005.

The samples were prepared on 14 June 2005 by J.V. Morris using CRL Method Metals025. The digestion bench sheet number was B506034. The samples were prepared together with work order 0505010, on bench sheet B506033. The six month holding time was met.

The analyses for arsenic and antimony were performed on 28 June 2005, and the analyses for selenium and thallium were performed on 29 June 2005, all using CRL Method Metals019. The printer was malfunctioning on 28 June 2005, so the raw data presented gives both the original and a reprocessed set of raw data, so that all the raw sample results may be reviewed. The field duplicates were within ± MDL (method detection limit). All quality control was within CRL limits.

Environmental Protection Agency Region 5
Central Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Date: 6/14/2005

METALS SAMPLE PREPARATION RECORD

Batch Number: B506034

Prepared By: JVM

Digestion Method: Hot Block Digestion

Prepared Date: 14 June 05

Vessel Number	Sample Number	Source ID	Spike #1	Spike #1 Amt (uL)	Spike #2	Spike #2 Amt (uL)	pH <2 Y/N*	Sample Description (Color, Clarity, Texture, Artifacts, etc...) Before Prep	After Prep	Remarks
1	0506008-01						Y			
2	0506008-02						Y			
3	0506008-03						Y			
4	0506008-04						Y			
5	B506034-BLK1									
6	B506034-BS1		4082407	1000	4082408	1000				
7	B506034-BS2		5032807	100						
8	B506034-DUP1	0506008-01								
9	B506034-MS1	0506008-01	4082407	1000	4082408	1000				
10	B506034-MS2	0506008-01	5032807	100						

** Please note: A minimum of 16 hours from time of sampling must elapse before pH of sample can be taken.*
If pH>2, record and date in the Remarks column the actual pH and the amount of acid added to bring pH to < 2.

Batch Comments: original raw bench sheet with ICP data

Comments:

Analyses included in this batch:
As GFAA SimAA (W) Metals full ICP (W) Sb GFAA SimAA (W) Se GFAA SimAA (W) Tl GFAA SimAA (W)

QUALITY CONTROL SAMPLE CALCULATIONS (WATER ANALYSIS)
GFAA METALS

WORK ORDER # 0506008
RUN: 062905TI

Analyst: JVM
Date: 29 June 05

CORRELATION COEFFICIENT (TI): 0.999846
SLOPE (TI): 0.00218
INT (TI): 0.00002

MATRIX QC (REAGENT BLANK), LIMIT = ± MDL:

SAMPLE ID	SAMPLE RESULT (µg/L)	MDL (µg/L)
B506034-BLK1	0.11	0.5

MATRIX QC (SPIKE BLANK), % RECOVERY LIMIT = 100 ± 15%:

SAMPLE ID	SAMPLE RESULT (µg/L)	SPIKE CONC. (µg/L)	% RECOVERY
B506034-BS2	20.93	20	104.64

MATRIX QC (DUPLICATE ANALYSIS), RPD = ± 10%, DELTA < or = MDL:

SAMPLE ID	SAMPLE RESULT (µg/L)	DUPLICATE RESULT (µg/L)	RPD	DELTA
B506034-DUP1 (0506008-01)	0.53	0.26	69.83%	0.28

MATRIX QC (SPIKE ANALYSIS), % RECOVERY LIMIT = 100 ± 15%:

SAMPLE ID	SAMPLE RESULT (µg/L)	SPIKE SAMPLE RESULT (µg/L)	SPIKE CONC. (µg/L)	% RECOVERY
B506034-MS2 (0506008-01)	0.53	20.27	20	98.69

ANALYTICAL QC (Reporting Limit Check, RLC), % RECOVERY LIMIT = 100 ± 20%:

RLC RESULT (µg/L)	RLC TRUE VALUE (µg/L)	% RECOVERY
1.94	2	96.92%
2.22	2	110.86%

ANALYTICAL QC (BLANK), LIMIT = ± MDL:

BLANK ID	RESULT (µg/L)	MDL (µg/L)
LCB1	-0.01	0.5
LCB2	0.10	0.5
LCB3	0.15	0.5

JVM
1 July 05

ANALYTICAL QC (STANDARD), % RECOVERY LIMIT = 100 ± 10%:

STANDARD ID	RESULT (µg/L)	STANDARD CONC. (µg/L)	% RECOVERY
LCM1	25.89	25	103.54
LCM2	26.79	25	107.16
LCM3	26.00	25	104.00

Sample ID	Date	Time	Aliquot Vol.	Diluted To \	Analyte Nar	Conc (Calib	Units (Calib	Conc (Sam	Units (Sam	Special Cal	QC Recover
Calib Blank	06/29/2005	01:48:23 PM			Tl 276.8		ug/L		ug/L		
Standard 1 (2.0 ug/L)	06/29/2005	01:51:54 PM			Tl 276.8		ug/L		ug/L		
Standard 2 (10 ug/L)	06/29/2005	01:55:16 PM			Tl 276.8		ug/L		ug/L		
Standard3 (20 ug/L)	06/29/2005	01:58:38 PM			Tl 276.8		ug/L		ug/L		
Standard 4 (30 ug/L)	06/29/2005	02:02:00 PM			Tl 276.8		ug/L		ug/L		
Standard 5 (40 ug/L)	06/29/2005	02:05:23 PM			Tl 276.8		ug/L		ug/L		
LCB	06/29/2005	02:08:45 PM			Tl 276.8	-0.006842	ug/L	-0.006842	ug/L		
LCM (25 ug/L)	06/29/2005	02:12:09 PM			Tl 276.8	25.885122	ug/L	25.885122	ug/L		103.54049
RLC (2.0)	06/29/2005	02:15:34 PM			Tl 276.8	1.9383242	ug/L	1.9383242	ug/L		96.916208
B506034-BLK1	06/29/2005	02:18:58 PM			Tl 276.8	0.1143028	ug/L	0.1143028	ug/L		
B506034-BLK1	06/29/2005	02:22:20 PM			Tl 276.8	19.570962	ug/L	19.570962	ug/L	97.283295	
B506034-BS2	06/29/2005	02:25:44 PM	1	2	Tl 276.8	10.464049	ug/L	20.928098	ug/L		
B506034-BS2	06/29/2005	02:29:06 PM	1	2	Tl 276.8	30.714366	ug/L	61.428733	ug/L	101.25159	
0506008-01	06/29/2005	02:32:30 PM			Tl 276.8	0.5348012	ug/L	0.5348012	ug/L		
0506008-01	06/29/2005	02:35:53 PM			Tl 276.8	20.238659	ug/L	20.238659	ug/L	98.519291	
B506034-DUP1	06/29/2005	02:39:17 PM			Tl 276.8	0.2580091	ug/L	0.2580091	ug/L		
B506034-DUP1	06/29/2005	02:42:39 PM			Tl 276.8	19.815143	ug/L	19.815143	ug/L	97.785671	
B506034-MS2	06/29/2005	02:46:03 PM	1	2	Tl 276.8	10.136463	ug/L	20.272925	ug/L		
B506034-MS2	06/29/2005	02:49:26 PM	1	2	Tl 276.8	29.688045	ug/L	59.376091	ug/L	97.757914	
LCB	06/29/2005	02:52:50 PM			Tl 276.8	0.0995693	ug/L	0.0995693	ug/L		
LCM (25 ug/L)	06/29/2005	02:56:14 PM			Tl 276.8	26.789541	ug/L	26.789541	ug/L		107.15817
0506008-02	06/29/2005	02:59:39 PM			Tl 276.8	0.2651185	ug/L	0.2651185	ug/L		
0506008-02	06/29/2005	03:03:01 PM			Tl 276.8	19.788835	ug/L	19.788835	ug/L	97.618584	
0506008-03	06/29/2005	03:06:46 PM			Tl 276.8	0.1242155	ug/L	0.1242155	ug/L		
0506008-03	06/29/2005	03:10:08 PM			Tl 276.8	18.726346	ug/L	18.726346	ug/L	93.010653	
0506008-04	06/29/2005	03:13:30 PM			Tl 276.8	0.3080401	ug/L	0.3080401	ug/L		
0506008-04	06/29/2005	03:16:52 PM			Tl 276.8	19.156641	ug/L	19.156641	ug/L	94.243006	
LCB	06/29/2005	03:20:14 PM			Tl 276.8	0.1543366	ug/L	0.1543366	ug/L		
LCM (25 ug/L)	06/29/2005	03:23:59 PM			Tl 276.8	26.000491	ug/L	26.000491	ug/L		104.00197
RLC (2.0)	06/29/2005	03:27:24 PM			Tl 276.8	2.2172472	ug/L	2.2172472	ug/L		110.86236

NM
1 July 05

JVM 29 Jun 05

Analysis Begun

Logged In Analyst: JVMORRIS
Spectrometer Model: AA800, S/N 8638
Technique: AA Furnace
Autosampler Model: AS-800

Sample Information File: C:\data-AA\JVMORRIS\Sample Information\062905Tl.sif
Batch ID: B506034
Results Data Set: 062905Tl
Results Library: C:\data-AA\JVMORRIS\Results\Results.mdb

Method Loaded
Method Name: Tl_CRL40 hi RLC 2.0
Method Last Saved: 2/2/2004 11:17:40 AM
Method Description: Tl Test Method

Sequence No.: 1
Sample ID: Calib Blank
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 1
Autosampler Location: 1
Date Collected: 6/29/2005 1:48:23 PM
Data Type: Original

Replicate Data: Calib Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[0.00]	-0.0001	-0.0001	0.0014	0.0009	0.0129	13:49:25	Yes

Auto-zero performed.

Sequence No.: 2
Sample ID: Standard 1 (2.0 ug/L)
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 2
Autosampler Location: 2
Date Collected: 6/29/2005 1:51:54 PM
Data Type: Original

Replicate Data: Standard 1 (2.0 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[2.0]	0.0042	0.0042	0.0084	0.0027	0.0118	13:52:48	Yes

Standard number 1 applied. [2.0]
Correlation Coef.: 1.000000 Slope: 0.00212 Intercept: 0.00000

Sequence No.: 3
Sample ID: Standard 2 (10 ug/L)
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 3
Autosampler Location: 3
Date Collected: 6/29/2005 1:55:16 PM
Data Type: Original

Replicate Data: Standard 2 (10 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[10]	0.0223	0.0222	0.0351	0.0117	0.0177	13:56:10	Yes

Standard number 2 applied. [10]
Correlation Coef.: 0.999950 Slope: 0.00224 Intercept: -0.00010

Sequence No.: 4
Sample ID: Standard3 (20 ug/L)
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 4
Autosampler Location: 4
Date Collected: 6/29/2005 1:58:38 PM
Data Type: Original

Replicate Data: Standard3 (20 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[20]	0.0435	0.0434	0.0671	0.0212	0.0338	13:59:32	Yes

Standard number 3 applied. [20]

Correlation Coef.: 0.999879 Slope: 0.00218 Intercept: 0.00007

==========

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: Standard 4 (30 ug/L) **Date Collected: 6/29/2005 2:02:00 PM**
Analyst: **Data Type: Original**
uL dispensed: 10 from 148, 5 from 121, 20 from 5

Replicate Data: Standard 4 (30 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[30]	0.0642	0.0642	0.0987	0.0323	0.0492	14:02:55	Yes

Standard number 4 applied. [30]
Correlation Coef.: 0.999869 Slope: 0.00215 Intercept: 0.00024

==========

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: Standard 5 (40 ug/L) **Date Collected: 6/29/2005 2:05:23 PM**
Analyst: **Data Type: Original**
uL dispensed: 10 from 148, 5 from 121, 20 from 6

Replicate Data: Standard 5 (40 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[40]	0.0877	0.0876	0.1323	0.0453	0.0663	14:06:17	Yes

Standard number 5 applied. [40]
Correlation Coef.: 0.999846 Slope: 0.00218 Intercept: 0.00002

Calibration data for Tl 276.8 **Equation: Linear, Calculated Intercept**

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calib Blank	0.0000	0	-0.01	----	----
Standard 1 (2.0 ug/L)	0.0042	2.0	1.95	----	----
Standard 2 (10 ug/L)	0.0223	10.0	10.26	----	----
Standard3 (20 ug/L)	0.0435	20.0	19.97	----	----
Standard 4 (30 ug/L)	0.0642	30.0	29.52	----	----
Standard 5 (40 ug/L)	0.0877	40.0	40.31	----	----

Correlation Coef.: 0.999846 Slope: 0.00218 Intercept: 0.00002

==========

Sequence No.: 7 **Autosampler Location: 124**
Sample ID: LCB **Date Collected: 6/29/2005 2:08:45 PM**
Analyst: **Data Type: Original**
uL dispensed: 10 from 148, 5 from 121, 20 from 124

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.01	-0.01	0.0000	-0.0001	0.0020	0.0019	0.0138	14:09:40	Yes

QC value within limits for Tl 276.8 Recovery = Not calculated
All analyte(s) passed QC.

==========

Sequence No.: 8 **Autosampler Location: 126**
Sample ID: LCM (25 ug/L) **Date Collected: 6/29/2005 2:12:09 PM**
Analyst: **Data Type: Original**
uL dispensed: 10 from 148, 5 from 121, 20 from 126

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	25.89	25.89	0.0563	0.0562	0.0865	0.0299	0.0426	14:13:04	Yes

QC value within limits for Tl 276.8 Recovery = 103.54%
All analyte(s) passed QC.

Sequence No.: 9
Sample ID: RLC (2.0)
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 120

Autosampler Location: 120
Date Collected: 6/29/2005 2:15:34 PM
Data Type: Original

Replicate Data: RLC (2.0)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.94	1.94	0.0042	0.0041	0.0074	0.0035	0.0131	14:16:29	Yes

QC value within limits for Tl 276.8 Recovery = 96.92%
All analyte(s) passed QC.

Sequence No.: 10
Sample ID: B506034-BLK1
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 9

Autosampler Location: 9
Date Collected: 6/29/2005 2:18:58 PM
Data Type: Original

Replicate Data: B506034-BLK1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.11	0.11	0.0003	0.0002	0.0024	0.0015	0.0121	14:19:52	Yes

Sequence No.: 11
Sample ID: B506034-BLK1
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 9

Autosampler Location: 9
Date Collected: 6/29/2005 2:22:20 PM
Data Type: Original

Replicate Data: B506034-BLK1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	19.57	19.57	0.0426	0.0425	0.0662	0.0215	0.0330	14:23:15	Yes

Automatic Recovery Check: B506034-BLK1

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Tl 276.8	20.11	20.00	19.46	ug/L	97.3	85/115

Sequence No.: 12
Sample ID: B506034-BS2
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 10

Autosampler Location: 10
Date Collected: 6/29/2005 2:25:44 PM
Data Type: Original

Replicate Data: B506034-BS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	20.93	10.46	0.0228	0.0227	0.0347	0.0117	0.0182	14:26:38	Yes

Sequence No.: 13
Sample ID: B506034-BS2
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 10

Autosampler Location: 10
Date Collected: 6/29/2005 2:29:06 PM
Data Type: Original

Replicate Data: B506034-BS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	61.43	30.71	0.0668	0.0667	0.1035	0.0324	0.0504	14:30:01	Yes

Automatic Recovery Check: B506034-BS2

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Tl 276.8	30.46	20.00	20.25	ug/L	101.3	85/115

Sequence No.: 14
Sample ID: 0506008-01
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 11

Autosampler Location: 11
Date Collected: 6/29/2005 2:32:30 PM
Data Type: Original

Replicate Data: 0506008-01

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.53	0.53	0.0012	0.0011	0.0023	0.0170	0.0259	14:33:24	Yes

Sequence No.: 15
Sample ID: 0506008-01
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 11

Autosampler Location: 11
Date Collected: 6/29/2005 2:35:53 PM
Data Type: Original

Replicate Data: 0506008-01

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	20.24	20.24	0.0440	0.0440	0.0853	0.0398	0.0507	14:36:49	Yes

Automatic Recovery Check: 0506008-01

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Tl 276.8	20.53	20.00	19.70	ug/L	98.5	85/115

Sequence No.: 16
Sample ID: B506034-DUP1
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 12

Autosampler Location: 12
Date Collected: 6/29/2005 2:39:17 PM
Data Type: Original

Replicate Data: B506034-DUP1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.26	0.26	0.0006	0.0005	0.0018	0.0155	0.0253	14:40:11	Yes

Sequence No.: 17
Sample ID: B506034-DUP1
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 12

Autosampler Location: 12
Date Collected: 6/29/2005 2:42:39 PM
Data Type: Original

Replicate Data: B506034-DUP1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	19.82	19.82	0.0431	0.0430	0.0847	0.0389	0.0496	14:43:34	Yes

Automatic Recovery Check: B506034-DUP1

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Tl 276.8	20.26	20.00	19.56	ug/L	97.8	85/115

Sequence No.: 18
Sample ID: B506034-MS2
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 13

Autosampler Location: 13
Date Collected: 6/29/2005 2:46:03 PM
Data Type: Original

Replicate Data: B506034-MS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	20.27	10.14	0.0221	0.0220	0.0408	0.0221	0.0274	14:46:57	Yes

Sequence No.: 19
Sample ID: B506034-MS2
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 13

Autosampler Location: 13
Date Collected: 6/29/2005 2:49:26 PM
Data Type: Original

Replicate Data: B506034-MS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	59.38	29.69	0.0646	0.0645	0.1152	0.0446	0.0640	14:50:21	Yes

Automatic Recovery Check: B506034-MS2

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Tl 276.8	30.14	20.00	19.55	ug/L	97.8	85/115

Sequence No.: 20
Sample ID: LCB
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 124

Autosampler Location: 124
Date Collected: 6/29/2005 2:52:50 PM
Data Type: Original

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.10	0.10	0.0002	0.0001	0.0013	0.0030	0.0163	14:53:45	Yes

QC value within limits for Tl 276.8 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 21
Sample ID: LCM (25 ug/L)
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 126

Autosampler Location: 126
Date Collected: 6/29/2005 2:56:14 PM
Data Type: Original

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	26.79	26.79	0.0583	0.0582	0.0889	0.0316	0.0447	14:57:09	Yes

QC value within limits for Tl 276.8 Recovery = 107.16%
All analyte(s) passed QC.

Sequence No.: 22
Sample ID: 0506008-02
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 14

Autosampler Location: 14
Date Collected: 6/29/2005 2:59:39 PM
Data Type: Original

Replicate Data: 0506008-02

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.27	0.27	0.0006	0.0005	0.0018	0.0171	0.0277	15:00:33	Yes

Sequence No.: 23
Sample ID: 0506008-02
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 14

Autosampler Location: 14
Date Collected: 6/29/2005 3:03:01 PM
Data Type: Original

Replicate Data: 0506008-02

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	19.79	19.79	0.0431	0.0430	0.0811	0.0420	0.0509	15:04:18	Yes

Automatic Recovery Check: 0506008-02

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Tl 276.8	20.27	20.00	19.52	ug/L	97.6	85/115

Sequence No.: 24
Sample ID: 0506008-03
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 15

Autosampler Location: 15
Date Collected: 6/29/2005 3:06:46 PM
Data Type: Original

Replicate Data: 0506008-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.12	0.12	0.0003	0.0002	0.0014	0.0198	0.0323	15:07:40	Yes

Sequence No.: 25
Sample ID: 0506008-03
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 15

Autosampler Location: 15
Date Collected: 6/29/2005 3:10:08 PM
Data Type: Original

Replicate Data: 0506008-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	18.73	18.73	0.0408	0.0407	0.0832	0.0416	0.0528	15:11:02	Yes

Automatic Recovery Check: 0506008-03

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Tl 276.8	20.12	20.00	18.60	ug/L	93.0	85/115

Sequence No.: 26
Sample ID: 0506008-04
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 16

Autosampler Location: 16
Date Collected: 6/29/2005 3:13:30 PM
Data Type: Original

Replicate Data: 0506008-04

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.31	0.31	0.0007	0.0006	0.0018	0.0203	0.0324	15:14:24	Yes

Sequence No.: 27
Sample ID: 0506008-04
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 16

Autosampler Location: 16
Date Collected: 6/29/2005 3:16:52 PM
Data Type: Original

Replicate Data: 0506008-04

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	19.16	19.16	0.0417	0.0416	0.0847	0.0447	0.0558	15:17:46	Yes

Automatic Recovery Check: 0506008-04

Analyte	Expected	Expected	Measured	Units	Recovery	Limits (%)

	Conc.	Increase	Increase		(%)	Lower/Upper
Tl 276.8	20.31	20.00	18.85	ug/L	94.2	85/115

==========

Sequence No.: 28 Autosampler Location: 124
Sample ID: LCB Date Collected: 6/29/2005 3:20:14 PM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 124

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.15	0.15	0.0004	0.0003	0.0016	0.0029	0.0166	15:21:30	Yes

QC value within limits for Tl 276.8 Recovery = Not calculated
All analyte(s) passed QC.

==========

Sequence No.: 29 Autosampler Location: 126
Sample ID: LCM (25 ug/L) Date Collected: 6/29/2005 3:23:59 PM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 126

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	26.00	26.00	0.0566	0.0565	0.0829	0.0313	0.0430	15:24:54	Yes

QC value within limits for Tl 276.8 Recovery = 104.00%
All analyte(s) passed QC.

==========

Sequence No.: 30 Autosampler Location: 120
Sample ID: RLC (2.0) Date Collected: 6/29/2005 3:27:24 PM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 120

Replicate Data: RLC (2.0)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	2.22	2.22	0.0048	0.0048	0.0082	0.0069	0.0187	15:28:19	Yes

QC value within limits for Tl 276.8 Recovery = 110.86%
All analyte(s) passed QC.

QUALITY CONTROL SAMPLE CALCULATIONS (WATER ANALYSIS)
GFAA METALS

WORK ORDER # 0506008
RUN: 062905Se

Analyst: JVM
Date: 29 June 05

CORRELATION COEFFICIENT (Se): 0.999936
SLOPE (Se): 0.00222
INT (Se): -0.00059

MATRIX QC (REAGENT BLANK), LIMIT = ± MDL:

SAMPLE ID	SAMPLE RESULT (µg/L)	MDL (µg/L)
B506034-BLK1	0.31	1

MATRIX QC (SPIKE BLANK), % RECOVERY LIMIT = 100 ± 15%:

SAMPLE ID	SAMPLE RESULT (µg/L)	SPIKE CONC. (µg/L)	% RECOVERY
B506034-BS2	21.23	20	106.15

MATRIX QC (DUPLICATE ANALYSIS), RPD = ± 10%, DELTA < or = MDL:

SAMPLE ID	SAMPLE RESULT (µg/L)	DUPLICATE RESULT (µg/L)	RPD	DELTA
B506034-DUP1 (0506008-01)	1.32	1.29	1.86%	0.02

MATRIX QC (SPIKE ANALYSIS), % RECOVERY LIMIT = 100 ± 15%:

SAMPLE ID	SAMPLE RESULT (µg/L)	SPIKE SAMPLE RESULT (µg/L)	SPIKE CONC. (µg/L)	% RECOVERY
B506034-MS2 (0506008-01)	1.32	21.88	20	102.81

ANALYTICAL QC (Reporting Limit Check, RLC), % RECOVERY LIMIT = 100 ± 20%:

RLC RESULT (µg/L)	RLC TRUE VALUE (µg/L)	% RECOVERY
4.18	4	104.52%
4.47	4	111.82%

ANALYTICAL QC (BLANK), LIMIT = ± MDL:

BLANK ID	RESULT (µg/L)	MDL (µg/L)
LCB1	0.22	1
LCB2	0.66	1
LCB3	0.69	1

JVM
1 July 05

ANALYTICAL QC (STANDARD), % RECOVERY LIMIT = 100 ± 10%:

STANDARD ID	RESULT (µg/L)	STANDARD CONC. (µg/L)	% RECOVERY
LCM1	25.26	25	101.02
LCM2	25.72	25	102.87
LCM3	25.05	25	100.21

Sample ID	Date	Time	Aliquot Vol.	Diluted To \	Analyte Nan	Conc (Calib	Units (Calib	Conc (Sam	Units (Sam	Special Cal	QC Recover
Calib Blank	06/29/2005	09:08:23 AM			Se 196.0		ug/L		ug/L		
Standard 1 (4 ug/L)	06/29/2005	09:11:48 AM			Se 196.0		ug/L		ug/L		
Standard 2 (10 ug/L)	06/29/2005	09:15:07 AM			Se 196.0		ug/L		ug/L		
Standard3 (20 ug/L)	06/29/2005	09:18:25 AM			Se 196.0		ug/L		ug/L		
Standard 4 (30 ug/L)	06/29/2005	09:21:43 AM			Se 196.0		ug/L		ug/L		
Standard 5 (40 ug/L)	06/29/2005	09:25:23 AM			Se 196.0		ug/L		ug/L		
LCB	06/29/2005	09:28:42 AM			Se 196.0	0.2241205	ug/L	0.2241205	ug/L		
LCM (25 ug/L)	06/29/2005	09:32:03 AM			Se 196.0	25.256144	ug/L	25.256144	ug/L		101.02458
RLC (4 ug/L)	06/29/2005	09:35:24 AM			Se 196.0	4.1806572	ug/L	4.1806572	ug/L		104.51643
B506034-BLK1	06/29/2005	09:38:44 AM			Se 196.0	0.3096744	ug/L	0.3096744	ug/L		
B506034-BLK1	06/29/2005	09:42:02 AM			Se 196.0	20.118082	ug/L	20.118082	ug/L	99.042037	
B506034-BS2	06/29/2005	09:45:22 AM	1	2	Se 196.0	10.615326	ug/L	21.230652	ug/L		
B506034-BS2	06/29/2005	09:48:40 AM	1	2	Se 196.0	30.810946	ug/L	61.621892	ug/L	100.9781	
0506008-01	06/29/2005	09:52:00 AM			Se 196.0	1.3180068	ug/L	1.3180068	ug/L		
0506008-01	06/29/2005	09:55:40 AM			Se 196.0	19.492092	ug/L	19.492092	ug/L	90.870424	
B506034-DUP1	06/29/2005	09:59:00 AM			Se 196.0	1.2936743	ug/L	1.2936743	ug/L		
B506034-DUP1	06/29/2005	10:02:17 AM			Se 196.0	20.555494	ug/L	20.555494	ug/L	96.309097	
B506034-MS2	06/29/2005	10:05:37 AM	1	2	Se 196.0	10.939557	ug/L	21.879113	ug/L		
B506034-MS2	06/29/2005	10:08:56 AM	1	2	Se 196.0	29.664527	ug/L	59.329054	ug/L	93.624853	
LCB	06/29/2005	10:12:16 AM			Se 196.0	0.656314	ug/L	0.656314	ug/L		
LCM (25 ug/L)	06/29/2005	10:15:41 AM			Se 196.0	25.716779	ug/L	25.716779	ug/L		102.86712
0506008-02	06/29/2005	10:19:02 AM			Se 196.0	1.2623236	ug/L	1.2623236	ug/L		
0506008-02	06/29/2005	10:22:20 AM			Se 196.0	19.533368	ug/L	19.533368	ug/L	91.35522	
0506008-03	06/29/2005	10:25:39 AM			Se 196.0	1.4830222	ug/L	1.4830222	ug/L		
0506008-03	06/29/2005	10:28:56 AM			Se 196.0	20.02411	ug/L	20.02411	ug/L	92.705437	
0506008-04	06/29/2005	10:32:14 AM			Se 196.0	1.3984132	ug/L	1.3984132	ug/L		
0506008-04	06/29/2005	10:35:32 AM			Se 196.0	19.789805	ug/L	19.789805	ug/L	91.956961	
LCB	06/29/2005	10:38:50 AM			Se 196.0	0.6882217	ug/L	0.6882217	ug/L		
LCM (25 ug/L)	06/29/2005	10:42:10 AM			Se 196.0	25.051542	ug/L	25.051542	ug/L		100.20617
RLC (4 ug/L)	06/29/2005	10:45:31 AM			Se 196.0	4.4726156	ug/L	4.4726156	ug/L		111.81539

JVM
1 July 05

Analysis Begun

Logged In Analyst: JVMORRIS
Spectrometer Model: AA800, S/N 8638

Technique: AA Furnace
Autosampler Model: AS-800

JVM
29 January

Sample Information File: C:\data-AA\JVMORRIS\Sample Information\062905Se.sif
Batch ID: B506034
Results Data Set: 062905Se
Results Library: C:\data-AA\JVMORRIS\Results\Results.mdb

Method Loaded
Method Name: Se_CRL40
Method Last Saved: 10/6/2004 1:05:04 PM
Method Description: Se Test Method

Sequence No.: 1
Sample ID: Calib Blank
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 1

Autosampler Location: 1
Date Collected: 6/29/2005 9:08:23 AM
Data Type: Original

Replicate Data: Calib Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[0.00]	-0.0018	-0.0018	0.0009	0.0069	0.0210	09:09:24	Yes

Auto-zero performed.

Sequence No.: 2
Sample ID: Standard 1 (4 ug/L)
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 2

Autosampler Location: 2
Date Collected: 6/29/2005 9:11:48 AM
Data Type: Original

Replicate Data: Standard 1 (4 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[4]	0.0081	0.0063	0.0117	0.0104	0.0238	09:12:44	Yes

Standard number 1 applied. [4]
Correlation Coef.: 1.000000 Slope: 0.00204 Intercept: 0.00000

Sequence No.: 3
Sample ID: Standard 2 (10 ug/L)
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 3

Autosampler Location: 3
Date Collected: 6/29/2005 9:15:07 AM
Data Type: Original

Replicate Data: Standard 2 (10 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[10]	0.0212	0.0194	0.0316	0.0132	0.0252	09:16:02	Yes

Standard number 2 applied. [10]
Correlation Coef.: 0.999830 Slope: 0.00213 Intercept: -0.00014

Sequence No.: 4
Sample ID: Standard3 (20 ug/L)
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 4

Autosampler Location: 4
Date Collected: 6/29/2005 9:18:25 AM
Data Type: Original

Replicate Data: Standard3 (20 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[20]	0.0433	0.0415	0.0603	0.0197	0.0269	09:19:20	Yes

Standard number 3 applied. [20]

Correlation Coef.: 0.999899 Slope: 0.00217 Intercept: -0.00030

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Sequence No.: 5 Autosampler Location: 5
Sample ID: Standard 4 (30 ug/L) Date Collected: 6/29/2005 9:21:43 AM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 5

Replicate Data: Standard 4 (30 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[30]	0.0660	0.0642	0.0906	0.0228	0.0272	09:23:00	Yes

Standard number 4 applied. [30]
Correlation Coef.: 0.999896 Slope: 0.00221 Intercept: -0.00049

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Sequence No.: 6 Autosampler Location: 6
Sample ID: Standard 5 (40 ug/L) Date Collected: 6/29/2005 9:25:23 AM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 6

Replicate Data: Standard 5 (40 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[40]	0.0884	0.0865	0.1215	0.0271	0.0268	09:26:18	Yes

Standard number 5 applied. [40]
Correlation Coef.: 0.999936 Slope: 0.00222 Intercept: -0.00059

Calibration data for Se 196.0 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calib Blank	0.0000	0	0.27	----	----
Standard 1 (4 ug/L)	0.0081	4.0	3.94	----	----
Standard 2 (10 ug/L)	0.0212	10.0	9.84	----	----
Standard3 (20 ug/L)	0.0433	20.0	19.80	----	----
Standard 4 (30 ug/L)	0.0660	30.0	30.04	----	----
Standard 5 (40 ug/L)	0.0884	40.0	40.12	----	----

Correlation Coef.: 0.999936 Slope: 0.00222 Intercept: -0.00059

==========

Sequence No.: 7 Autosampler Location: 124
Sample ID: LCB Date Collected: 6/29/2005 9:28:42 AM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 124

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.22	0.22	-0.0001	-0.0019	0.0010	0.0125	0.0255	09:29:38	Yes

QC value within limits for Se 196.0 Recovery = Not calculated
All analyte(s) passed QC.

==========

Sequence No.: 8 Autosampler Location: 126
Sample ID: LCM (25 ug/L) Date Collected: 6/29/2005 9:32:03 AM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 126

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	25.26	25.26	0.0554	0.0536	0.0778	0.0199	0.0245	09:32:59	Yes

QC value within limits for Se 196.0 Recovery = 101.02%
All analyte(s) passed QC.

Sequence No.: 9
Sample ID: RLC (4 ug/L)
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 120

Autosampler Location: 120
Date Collected: 6/29/2005 9:35:24 AM
Data Type: Original

Replicate Data: RLC (4 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	4.18	4.18	0.0087	0.0068	0.0124	0.0132	0.0233	09:36:20	Yes

QC value within limits for Se 196.0 Recovery = 104.52%
All analyte(s) passed QC.

Sequence No.: 10
Sample ID: B506034-BLK1
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 9

Autosampler Location: 9
Date Collected: 6/29/2005 9:38:44 AM
Data Type: Original

Replicate Data: B506034-BLK1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.31	0.31	0.0001	-0.0017	0.0012	0.0120	0.0221	09:39:39	Yes

Sequence No.: 11
Sample ID: B506034-BLK1
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 9

Autosampler Location: 9
Date Collected: 6/29/2005 9:42:02 AM
Data Type: Original

Replicate Data: B506034-BLK1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	20.12	20.12	0.0440	0.0422	0.0621	0.0207	0.0241	09:42:58	Yes

Automatic Recovery Check: B506034-BLK1

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Se 196.0	20.31	20.00	19.81	ug/L	99.0	85/115

Sequence No.: 12
Sample ID: B506034-BS2
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 10

Autosampler Location: 10
Date Collected: 6/29/2005 9:45:22 AM
Data Type: Original

Replicate Data: B506034-BS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	21.23	10.62	0.0229	0.0211	0.0340	0.0143	0.0229	09:46:17	Yes

Sequence No.: 13
Sample ID: B506034-BS2
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 10

Autosampler Location: 10
Date Collected: 6/29/2005 9:48:40 AM
Data Type: Original

Replicate Data: B506034-BS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	61.62	30.81	0.0677	0.0659	0.0936	0.0261	0.0287	09:49:37	Yes

Automatic Recovery Check: B506034-BS2

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Se 196.0	30.62	20.00	20.20	ug/L	101.0	85/115

Sequence No.: 14
Sample ID: 0506008-01
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 11

Autosampler Location: 11
Date Collected: 6/29/2005 9:52:00 AM
Data Type: Original

Replicate Data: 0506008-01

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.32	1.32	0.0023	0.0005	0.0029	0.0490	0.0524	09:53:17	Yes

Sequence No.: 15
Sample ID: 0506008-01
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 11

Autosampler Location: 11
Date Collected: 6/29/2005 9:55:40 AM
Data Type: Original

Replicate Data: 0506008-01

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	19.49	19.49	0.0426	0.0408	0.0741	0.0527	0.0503	09:56:36	Yes

Automatic Recovery Check: 0506008-01

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Se 196.0	21.32	20.00	18.17	ug/L	90.9	85/115

Sequence No.: 16
Sample ID: B506034-DUP1
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 12

Autosampler Location: 12
Date Collected: 6/29/2005 9:59:00 AM
Data Type: Original

Replicate Data: B506034-DUP1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.29	1.29	0.0023	0.0004	0.0032	0.0480	0.0510	09:59:53	Yes

Sequence No.: 17
Sample ID: B506034-DUP1
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 12

Autosampler Location: 12
Date Collected: 6/29/2005 10:02:17 AM
Data Type: Original

Replicate Data: B506034-DUP1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	20.56	20.56	0.0450	0.0431	0.0784	0.0554	0.0508	10:03:13	Yes

Automatic Recovery Check: B506034-DUP1

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Se 196.0	21.29	20.00	19.26	ug/L	96.3	85/115

Sequence No.: 18
Sample ID: B506034-MS2
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 13

Autosampler Location: 13
Date Collected: 6/29/2005 10:05:37 AM
Data Type: Original

Replicate Data: B506034-MS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	21.88	10.94	0.0237	0.0218	0.0393	0.0375	0.0374	10:06:32	Yes

Sequence No.: 19
Sample ID: B506034-MS2
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 13

Autosampler Location: 13
Date Collected: 6/29/2005 10:08:56 AM
Data Type: Original

Replicate Data: B506034-MS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	59.33	29.66	0.0652	0.0633	0.1148	0.0450	0.0414	10:09:53	Yes

Automatic Recovery Check: B506034-MS2

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Se 196.0	30.94	20.00	18.72	ug/L	93.6	85/115

Sequence No.: 20
Sample ID: LCB
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 124

Autosampler Location: 124
Date Collected: 6/29/2005 10:12:16 AM
Data Type: Original

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.66	0.66	0.0009	-0.0010	0.0016	0.0310	0.0295	10:13:17	Yes

QC value within limits for Se 196.0 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 21
Sample ID: LCM (25 ug/L)
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 126

Autosampler Location: 126
Date Collected: 6/29/2005 10:15:41 AM
Data Type: Original

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	25.72	25.72	0.0564	0.0546	0.0848	0.0402	0.0307	10:16:37	Yes

QC value within limits for Se 196.0 Recovery = 102.87%
All analyte(s) passed QC.

Sequence No.: 22
Sample ID: 0506008-02
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 14

Autosampler Location: 14
Date Collected: 6/29/2005 10:19:02 AM
Data Type: Original

Replicate Data: 0506008-02

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.26	1.26	0.0022	0.0004	0.0046	0.0663	0.0575	10:19:57	Yes

Sequence No.: 23
Sample ID: 0506008-02
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 14

Autosampler Location: 14
Date Collected: 6/29/2005 10:22:20 AM
Data Type: Original

Replicate Data: 0506008-02

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	19.53	19.53	0.0427	0.0409	0.0757	0.0727	0.0610	10:23:15	Yes

Automatic Recovery Check: 0506008-02

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Se 196.0	21.26	20.00	18.27	ug/L	91.4	85/115

Sequence No.: 24
Sample ID: 0506008-03
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 15

Autosampler Location: 15
Date Collected: 6/29/2005 10:25:39 AM
Data Type: Original

Replicate Data: 0506008-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.48	1.48	0.0027	0.0009	0.0034	0.0702	0.0610	10:26:33	Yes

Sequence No.: 25
Sample ID: 0506008-03
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 15

Autosampler Location: 15
Date Collected: 6/29/2005 10:28:56 AM
Data Type: Original

Replicate Data: 0506008-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	20.02	20.02	0.0438	0.0420	0.0736	0.0809	0.0647	10:29:51	Yes

Automatic Recovery Check: 0506008-03

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Se 196.0	21.48	20.00	18.54	ug/L	92.7	85/115

Sequence No.: 26
Sample ID: 0506008-04
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 16

Autosampler Location: 16
Date Collected: 6/29/2005 10:32:14 AM
Data Type: Original

Replicate Data: 0506008-04

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.40	1.40	0.0025	0.0007	0.0031	0.0710	0.0617	10:33:09	Yes

Sequence No.: 27
Sample ID: 0506008-04
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 16

Autosampler Location: 16
Date Collected: 6/29/2005 10:35:32 AM
Data Type: Original

Replicate Data: 0506008-04

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	19.79	19.79	0.0433	0.0414	0.0722	0.0817	0.0634	10:36:27	Yes

Automatic Recovery Check: 0506008-04

Analyte	Expected	Expected	Measured	Units	Recovery	Limits (%)

	Conc.	Increase	Increase		(%)	Lower/Upper
Se 196.0	21.40	20.00	18.39	ug/L	92.0	85/115

==========

Sequence No.: 28 Autosampler Location: 124
Sample ID: LCB Date Collected: 6/29/2005 10:38:50 AM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 124

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.69	0.69	0.0009	-0.0009	0.0020	0.0355	0.0296	10:39:46	Yes

QC value within limits for Se 196.0 Recovery = Not calculated
All analyte(s) passed QC.

==========

Sequence No.: 29 Autosampler Location: 126
Sample ID: LCM (25 ug/L) Date Collected: 6/29/2005 10:42:10 AM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 126

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	25.05	25.05	0.0550	0.0531	0.0845	0.0423	0.0322	10:43:06	Yes

QC value within limits for Se 196.0 Recovery = 100.21%
All analyte(s) passed QC.

==========

Sequence No.: 30 Autosampler Location: 120
Sample ID: RLC (4 ug/L) Date Collected: 6/29/2005 10:45:31 AM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 120

Replicate Data: RLC (4 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	4.47	4.47	0.0093	0.0075	0.0132	0.0362	0.0343	10:46:27	Yes

QC value within limits for Se 196.0 Recovery = 111.82%
All analyte(s) passed QC.

QUALITY CONTROL SAMPLE CALCULATIONS (WATER ANALYSIS)
GFAA METALS

WORK ORDER # 0506008
RUN: 062805Sb

Analyst: JVM
Date: 28 June 05

	12:13:21 PM	01:42:57 PM
CORRELATION COEFFICIENT (Sb):	0.999985	0.999990
SLOPE (Sb):	0.00218	0.00204
INT (Sb):	0.00006	-0.00003

MATRIX QC (REAGENT BLANK), LIMIT = ± MDL:

SAMPLE ID	SAMPLE RESULT (µg/L)	MDL (µg/L)
B506034-BLK1	-0.00	1

MATRIX QC (SPIKE BLANK), % RECOVERY LIMIT = 100 ± 15%:

SAMPLE ID	SAMPLE RESULT (µg/L)	SPIKE CONC. (µg/L)	% RECOVERY
B506034-BS2	19.96	20	99.78

MATRIX QC (DUPLICATE ANALYSIS), RPD = ± 10%, DELTA < or = MDL:

SAMPLE ID	SAMPLE RESULT (µg/L)	DUPLICATE RESULT (µg/L)	RPD	DELTA
B506034-DUP1 (0506008-01)	1.14	1.09	4.90%	0.05

MATRIX QC (SPIKE ANALYSIS), % RECOVERY LIMIT = 100 ± 15%:

SAMPLE ID	SAMPLE RESULT (µg/L)	SPIKE SAMPLE RESULT (µg/L)	SPIKE CONC. (µg/L)	% RECOVERY
B506034-MS2 (0506008-01)	1.14	21.33	20	100.93

ANALYTICAL QC (Reporting Limit Check, RLC), % RECOVERY LIMIT = 100 ± 20%:

RLC RESULT (µg/L)	RLC TRUE VALUE (µg/L)	% RECOVERY
3.58	4.0	89.59
4.07	4.0	101.64
3.86	4.0	96.48

ANALYTICAL QC (BLANK), LIMIT = ± MDL:

BLANK ID	RESULT (µg/L)	MDL (µg/L)
LCB1	0.19	1
LCB2	0.08	1
LCB3	-0.28	1
LCB4	0.14	1
LCB5	0.13	1

JVM
1 July 05

ANALYTICAL QC (STANDARD), % RECOVERY LIMIT = 100 ± 10%:

STANDARD ID	RESULT (µg/L)	STANDARD CONC. (µg/L)	% RECOVERY	
LCM1	24.43	25	97.72	
LCM2	22.52	25	90.09	
LCM3	22.29	25	89.16	recal
LCM4	24.36	25	97.46	
LCM5	24.16	25	96.65	

Sample ID	Date	Time	Aliquot Vol.	Diluted To \	Analyte Nan	Conc (Calib	Units (Calib	Conc (Sam	Units (Sam	Special Cal	QC Recover
Calib Blank	06/28/2005	11:57:37 AM			Sb 217.6		ug/L		ug/L		
Standard 1 (4 ug/L)	06/28/2005	12:00:49 PM			Sb 217.6		ug/L		ug/L		
Standard 2 (10 ug/L)	06/28/2005	12:03:51 PM			Sb 217.6		ug/L		ug/L		
Standard3 (20 ug/L)	06/28/2005	12:06:53 PM			Sb 217.6		ug/L		ug/L		
Standard 4 (30 ug/L)	06/28/2005	12:09:56 PM			Sb 217.6		ug/L		ug/L		
Standard 5 (40 ug/L)	06/28/2005	12:13:21 PM			Sb 217.6		ug/L		ug/L		
LCB	06/28/2005	12:16:24 PM			Sb 217.6	0.1914955	ug/L	0.1914955	ug/L		
LCM (25 ug/L)	06/28/2005	12:19:51 PM			Sb 217.6	24.42983	ug/L	24.42983	ug/L		97.719319
RLC (4 ug/L)	06/28/2005	12:22:56 PM			Sb 217.6	3.5836771	ug/L	3.5836771	ug/L		89.591926
B506034-BLK1	06/28/2005	12:26:00 PM			Sb 217.6	-0.003026	ug/L	-0.003026	ug/L		
B506034-BLK1	06/28/2005	12:29:02 PM			Sb 217.6	20.004556	ug/L	20.004556	ug/L	100.03791	
B506034-BS2	06/28/2005	12:32:05 PM	1	2	Sb 217.6	9.977555	ug/L	19.95511	ug/L		
B506034-BS2	06/28/2005	12:35:07 PM	1	2	Sb 217.6	29.072298	ug/L	58.144596	ug/L	95.473716	
0506008-01	06/28/2005	12:38:10 PM			Sb 217.6	1.1407874	ug/L	1.1407874	ug/L		
0506008-01	06/28/2005	12:41:34 PM			Sb 217.6	21.287089	ug/L	21.287089	ug/L	100.73151	
B506034-DUP1	06/28/2005	12:44:38 PM			Sb 217.6	1.0862047	ug/L	1.0862047	ug/L		
B506034-DUP1	06/28/2005	12:47:41 PM			Sb 217.6	21.247855	ug/L	21.247855	ug/L	100.80825	
B506034-MS2	06/28/2005	12:50:45 PM	1	2	Sb 217.6	10.663431	ug/L	21.326862	ug/L		
B506034-MS2	06/28/2005	12:53:48 PM	1	2	Sb 217.6	29.701673	ug/L	59.403347	ug/L	95.191211	
LCB	06/28/2005	12:57:14 PM			Sb 217.6	0.0824062	ug/L	0.0824062	ug/L		
LCM (25 ug/L)	06/28/2005	01:00:18 PM			Sb 217.6	22.522206	ug/L	22.522206	ug/L		90.088825
0506008-02	06/28/2005	01:03:23 PM			Sb 217.6	0.8972166	ug/L	0.8972166	ug/L		
0506008-02	06/28/2005	01:06:26 PM			Sb 217.6	20.32156	ug/L	20.32156	ug/L	97.121716	
0506008-03	06/28/2005	01:09:30 PM			Sb 217.6	0.8494005	ug/L	0.8494005	ug/L		
0506008-03	06/28/2005	01:12:32 PM			Sb 217.6	20.389967	ug/L	20.389967	ug/L	97.702833	
0506008-04	06/28/2005	01:15:34 PM			Sb 217.6	0.9031795	ug/L	0.9031795	ug/L		
0506008-04	06/28/2005	01:18:36 PM			Sb 217.6	20.393636	ug/L	20.393636	ug/L	97.452282	
LCB	06/28/2005	01:21:38 PM			Sb 217.6	-0.284336	ug/L	-0.284336	ug/L		
LCM (25 ug/L)	06/28/2005	01:24:42 PM			Sb 217.6	22.289954	ug/L	22.289954	ug/L		89.159818
Calib Blank	06/28/2005	01:27:46 PM			Sb 217.6		ug/L		ug/L		
Standard 1 (4 ug/L)	06/28/2005	01:30:48 PM			Sb 217.6		ug/L		ug/L		
Standard 2 (10 ug/L)	06/28/2005	01:33:50 PM			Sb 217.6		ug/L		ug/L		
Standard3 (20 ug/L)	06/28/2005	01:36:52 PM			Sb 217.6		ug/L		ug/L		
Standard 4 (30 ug/L)	06/28/2005	01:39:54 PM			Sb 217.6		ug/L		ug/L		
Standard 5 (40 ug/L)	06/28/2005	01:42:57 PM			Sb 217.6		ug/L		ug/L		
LCB	06/28/2005	01:45:59 PM			Sb 217.6	0.1392815	ug/L	0.1392815	ug/L		
LCM (25 ug/L)	06/28/2005	01:49:03 PM			Sb 217.6	24.36385	ug/L	24.36385	ug/L		97.4554
RLC (4 ug/L)	06/28/2005	01:52:08 PM			Sb 217.6	4.0656961	ug/L	4.0656961	ug/L		101.6424
0506008-02	06/28/2005	01:55:12 PM			Sb 217.6	1.3691248	ug/L	1.3691248	ug/L		
0506008-02	06/28/2005	01:58:14 PM			Sb 217.6	21.90057	ug/L	21.90057	ug/L	102.65723	
0506008-03	06/28/2005	02:01:16 PM			Sb 217.6	1.0264556	ug/L	1.0264556	ug/L		
0506008-03	06/28/2005	02:04:18 PM			Sb 217.6	21.811872	ug/L	21.811872	ug/L	103.92708	

0506008-04	06/28/2005	02:07:21 PM	Sb 217.6	1.0896927	ug/L	1.0896927	ug/L	
0506008-04	06/28/2005	02:10:43 PM	Sb 217.6	21.768844	ug/L	21.768844	ug/L	103.39576
LCB	06/28/2005	02:13:45 PM	Sb 217.6	0.1267938	ug/L	0.1267938	ug/L	
LCM (25 ug/L)	06/28/2005	02:16:50 PM	Sb 217.6	24.162818	ug/L	24.162818	ug/L	96.651271
RLC (4 ug/L)	06/28/2005	02:19:55 PM	Sb 217.6	3.8591859	ug/L	3.8591859	ug/L	96.479648

JWM
1 July 05

Analysis Begun

JVM 28 June 05

Logged In Analyst: JVMORRIS

Technique: AA Furnace

Spectrometer Model: AA800, S/N 8638

Autosampler Model: AS-800

Sample Information File: C:\data-AA\JVMORRIS\Sample Information\062805Sb.sif

Batch ID: B506034

Results Data Set: 062805Sb

Results Library: C:\data-AA\JVMORRIS\Results\Results.mdb

Method Loaded

Method Name: Sb CRL40

Method Last Saved: 1/30/2004 10:28:15 AM

Method Description: Sb Test Method

Sequence No.: 1

Autosampler Location: 1

Sample ID: Calib Blank

Date Collected: 6/28/2005 11:57:37 AM

Analyst:

Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 1

Replicate Data: Calib Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[0.00]	-0.0008	-0.0008	0.0008	-0.0481	0.0096	11:58:41	Yes

Auto-zero performed.

Sequence No.: 2

Autosampler Location: 2

Sample ID: Standard 1 (4 ug/L)

Date Collected: 6/28/2005 12:00:49 PM

Analyst:

Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 2

Sequence No.: 5 Autosampler Location: 5

Sample ID: Standard 4 (30 ug/L) Date Collected: 6/28/2005 12:09:56 PM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 5

Replicate Data: Standard 4 (30 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[30]	0.0657	0.0649	0.1966	-0.0393	0.0135	12:11:13	Yes

Standard number 4 applied. [30]

Correlation Coef.: 0.999982 Slope: 0.00218 Intercept: 0.00000

Sequence No.: 6 Autosampler Location: 6

Sample ID: Standard 5 (40 ug/L) Date Collected: 6/28/2005 12:13:21 PM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 6

Replicate Data: Standard 5 (40 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[40]	0.0869	0.0862	0.2560	-0.0363	0.0178	12:14:16	Yes

Standard number 5 applied. [40]

Correlation Coef.: 0.999985 Slope: 0.00218 Intercept: 0.00006

Calibration data for Sb 217.6 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calib Blank	0.0000	0	-0.03	----	----
Standard 1 (4 ug/L)	0.0089	4.0	4.06	----	----
Standard 2 (10 ug/L)	0.0217	10.0	9.96	----	----
Standard3 (20 ug/L)	0.0435	20.0	19.95	----	----

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 120

Replicate Data: RLC (4 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	3.58	3.58	0.0079	0.0071	0.0262	-0.0410	0.0109	12:23:51	Yes

QC value within limits for Sb 217.6 Recovery = 89.59%

All analyte(s) passed QC.

Sequence No.: 10 Autosampler Location: 9

Sample ID: B506034-BLK1 Date Collected: 6/28/2005 12:26:00 PM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 9

Replicate Data: B506034-BLK1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.00	0.00	0.0001	-0.0007	0.0012	-0.0411	0.0118	12:26:54	Yes

---

Sequence No.: 11 Autosampler Location: 9

Sample ID: B506034-BLK1 Date Collected: 6/28/2005 12:29:02 PM

Analyst: Data Type: Original

uL dispensed: 5 from 121, 10 from 129, 20 from 9

Replicate Data: B506034-BLK1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	20.00	20.00	0.0436	0.0428	0.1355	-0.0381	0.0119	12:29:57	Yes

---

Automatic Recovery Check: B506034-BLK1

Sequence No.: 14 Autosampler Location: 11

Sample ID: 0506008-01 Date Collected: 6/28/2005 12:38:10 PM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 11

Replicate Data: 0506008-01

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.14	1.14	0.0025	0.0018	0.0096	-0.0036	0.0355	12:39:26	Yes

Sequence No.: 15 Autosampler Location: 11

Sample ID: 0506008-01 Date Collected: 6/28/2005 12:41:34 PM

Analyst: Data Type: Original

uL dispensed: 5 from 121, 10 from 129, 20 from 11

Replicate Data: 0506008-01

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	21.29	21.29	0.0464	0.0456	0.1750	-0.0012	0.0385	12:42:29	Yes

---

Automatic Recovery Check: 0506008-01

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	21.14	20.00	20.15	ug/L	100.7	85/115

Sequence No.: 16 Autosampler Location: 12

Sample ID: B506034-DUP1 Date Collected: 6/28/2005 12:44:38 PM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 12

Replicate Data: B506034-DUP1

Sequence No.: 19 Autosampler Location: 13

Sample ID: B506034-MS2 Date Collected: 6/28/2005 12:53:48 PM

Analyst: Data Type: Original

uL dispensed: 5 from 121, 10 from 129, 20 from 13

Replicate Data: B506034-MS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	59.40	29.70	0.0647	0.0639	0.2467	-0.0120	0.0321	12:55:06	Yes

---

Automatic Recovery Check: B506034-MS2

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	30.66	20.00	19.04	ug/L	95.2	85/115

Sequence No.: 20 Autosampler Location: 124

Sample ID: LCB Date Collected: 6/28/2005 12:57:14 PM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 124

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.08	0.08	0.0002	-0.0005	0.0018	-0.0379	0.0210	12:58:09	Yes

QC value within limits for Sb 217.6 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 21 Autosampler Location: 126

Sample ID: LCM (25 ug/L) Date Collected: 6/28/2005 1:00:18 PM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 126

	Conc.	Increase	Increase		(%)	Lower/Upper
Sb 217.6	20.90	20.00	19.42	ug/L	97.1	85/115

Sequence No.: 24
Sample ID: 0506008-03
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 15

Autosampler Location: 15
Date Collected: 6/28/2005 1:09:30 PM
Data Type: Original

Replicate Data: 0506008-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.85	0.85	0.0019	0.0011	0.0088	0.0089	0.0548	13:10:23	Yes

Sequence No.: 25
Sample ID: 0506008-03
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 15

Autosampler Location: 15
Date Collected: 6/28/2005 1:12:32 PM
Data Type: Original

Replicate Data: 0506008-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	20.39	20.39	0.0444	0.0437	0.1667	0.0074	0.0515	13:13:26	Yes

Automatic Recovery Check: 0506008-03

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	20.85	20.00	19.54	ug/L	97.7	85/115

Sequence No.: 26
Sample ID: 0506008-04
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 16

Autosampler Location: 16
Date Collected: 6/28/2005 1:15:34 PM
Data Type: Original

Replicate Data: 0506008-04

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.90	0.90	0.0020	0.0013	0.0090	0.0026	0.0494	13:16:28	Yes

Sequence No.: 27
Sample ID: 0506008-04
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 16

Autosampler Location: 16
Date Collected: 6/28/2005 1:18:36 PM
Data Type: Original

Replicate Data: 0506008-04

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	20.39	20.39	0.0444	0.0437	0.1693	0.0056	0.0509	13:19:30	Yes

Automatic Recovery Check: 0506008-04

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	20.90	20.00	19.49	ug/L	97.5	85/115

Sequence No.: 28
Sample ID: LCB
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 124

Autosampler Location: 124
Date Collected: 6/28/2005 1:21:38 PM
Data Type: Original

Replicate Data: LCB

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak

#	ug/L	ug/L	Signal	Area	Height	Area	Height		Stored
1	-0.28	-0.28	-0.0006	-0.0013	0.0019	-0.0358	0.0229	13:22:33	Yes

QC value within limits for Sb 217.6 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 29
Sample ID: LCM (25 ug/L)
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 126

Autosampler Location: 126
Date Collected: 6/28/2005 1:24:42 PM
Data Type: Original

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	22.29	22.29	0.0486	0.0478	0.1525	-0.0367	0.0198	13:25:37	Yes

QC value less than the lower limit for Sb 217.6 Recovery = 89.16%
QC Failed. Recalibrate and rerun samples.

Sequence No.: 30
Sample ID: Calib Blank
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 1

Autosampler Location: 1
Date Collected: 6/28/2005 1:27:46 PM
Data Type: Original

Replicate Data: Calib Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[0.00]	-0.0012	-0.0012	0.0017	-0.0373	0.0241	13:28:40	Yes

Auto-zero performed.

Sequence No.: 31
Sample ID: Standard 1 (4 ug/L)
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 2

Autosampler Location: 2
Date Collected: 6/28/2005 1:30:48 PM
Data Type: Original

Replicate Data: Standard 1 (4 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[4]	0.0082	0.0070	0.0246	-0.0392	0.0199	13:31:42	Yes

Standard number 1 applied. [4]
Correlation Coef.: 1.000000 Slope: 0.00206 Intercept: 0.00000

Sequence No.: 32
Sample ID: Standard 2 (10 ug/L)
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 3

Autosampler Location: 3
Date Collected: 6/28/2005 1:33:50 PM
Data Type: Original

Replicate Data: Standard 2 (10 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[10]	0.0201	0.0189	0.0598	-0.0391	0.0172	13:34:44	Yes

Standard number 2 applied. [10]
Correlation Coef.: 0.999952 Slope: 0.00201 Intercept: 0.00007

Sequence No.: 33
Sample ID: Standard3 (20 ug/L)
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 4

Autosampler Location: 4
Date Collected: 6/28/2005 1:36:52 PM
Data Type: Original

Replicate Data: Standard3 (20 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored

1	[20]	0.0409	0.0397	0.1233	-0.0387	0.0172	13:37:46	Yes

Standard number 3 applied. [20]
Correlation Coef.: 0.999952 Slope: 0.00204 Intercept: -0.00005

Sequence No.: 34 Autosampler Location: 5
Sample ID: Standard 4 (30 ug/L) Date Collected: 6/28/2005 1:39:54 PM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 5

Replicate Data: Standard 4 (30 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[30]	0.0612	0.0600	0.1747	-0.0390	0.0166	13:40:49	Yes

Standard number 4 applied. [30]
Correlation Coef.: 0.999982 Slope: 0.00204 Intercept: -0.00005

Sequence No.: 35 Autosampler Location: 6
Sample ID: Standard 5 (40 ug/L) Date Collected: 6/28/2005 1:42:57 PM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 6

Replicate Data: Standard 5 (40 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[40]	0.0816	0.0803	0.2294	-0.0330	0.0202	13:43:51	Yes

Standard number 5 applied. [40]
Correlation Coef.: 0.999990 Slope: 0.00204 Intercept: -0.00003

Calibration data for Sb 217.6 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calib Blank	0.0000	0	0.02	----	----
Standard 1 (4 ug/L)	0.0082	4.0	4.04	----	----
Standard 2 (10 ug/L)	0.0201	10.0	9.87	----	----
Standard3 (20 ug/L)	0.0409	20.0	20.07	----	----
Standard 4 (30 ug/L)	0.0612	30.0	30.02	----	----
Standard 5 (40 ug/L)	0.0816	40.0	39.98	----	----

Correlation Coef.: 0.999990 Slope: 0.00204 Intercept: -0.00003

Sequence No.: 36 Autosampler Location: 124
Sample ID: LCB Date Collected: 6/28/2005 1:45:59 PM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 124

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.14	0.14	0.0003	-0.0010	0.0011	-0.0391	0.0192	13:46:55	Yes

QC value within limits for Sb 217.6 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 37 Autosampler Location: 126
Sample ID: LCM (25 ug/L) Date Collected: 6/28/2005 1:49:03 PM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 126

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	24.36	24.36	0.0497	0.0484	0.1471	-0.0402	0.0176	13:49:58	Yes

QC value within limits for Sb 217.6 Recovery = 97.46%
All analyte(s) passed QC.

Sequence No.: 38 Autosampler Location: 120
Sample ID: RLC (4 ug/L) Date Collected: 6/28/2005 1:52:08 PM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 120

Replicate Data: RLC (4 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	4.07	4.07	0.0083	0.0070	0.0225	-0.0376	0.0205	13:53:03	Yes

QC value within limits for Sb 217.6 Recovery = 101.64%
All analyte(s) passed QC.

Sequence No.: 39 Autosampler Location: 14
Sample ID: 0506008-02 Date Collected: 6/28/2005 1:55:12 PM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 14

Replicate Data: 0506008-02

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.37	1.37	0.0028	0.0015	0.0087	-0.0052	0.0414	13:56:06	Yes

Sequence No.: 40 Autosampler Location: 14
Sample ID: 0506008-02 Date Collected: 6/28/2005 1:58:14 PM
Analyst: Data Type: Original
uL dispensed: 5 from 121, 10 from 129, 20 from 14

Replicate Data: 0506008-02

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	21.90	21.90	0.0447	0.0434	0.1572	-0.0196	0.0241	13:59:08	Yes

Automatic Recovery Check: 0506008-02

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	21.37	20.00	20.53	ug/L	102.7	85/115

Sequence No.: 41 Autosampler Location: 15
Sample ID: 0506008-03 Date Collected: 6/28/2005 2:01:16 PM
Analyst: Data Type: Original
uL dispensed: 10 from 148, 5 from 121, 20 from 15

Replicate Data: 0506008-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.03	1.03	0.0021	0.0008	0.0094	-0.0001	0.0481	14:02:10	Yes

Sequence No.: 42 Autosampler Location: 15
Sample ID: 0506008-03 Date Collected: 6/28/2005 2:04:18 PM
Analyst: Data Type: Original
uL dispensed: 5 from 121, 10 from 129, 20 from 15

Replicate Data: 0506008-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	21.81	21.81	0.0445	0.0432	0.1623	-0.0006	0.0468	14:05:12	Yes

Automatic Recovery Check: 0506008-03

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	21.03	20.00	20.79	ug/L	103.9	85/115

Sequence No.: 43
Sample ID: 0506008-04
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 16
Autosampler Location: 16
Date Collected: 6/28/2005 2:07:21 PM
Data Type: Original

Replicate Data: 0506008-04

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.09	1.09	0.0022	0.0009	0.0085	0.0019	0.0494	14:08:35	Yes

Sequence No.: 44
Sample ID: 0506008-04
Analyst:
uL dispensed: 5 from 121, 10 from 129, 20 from 16
Autosampler Location: 16
Date Collected: 6/28/2005 2:10:43 PM
Data Type: Original

Replicate Data: 0506008-04

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	21.77	21.77	0.0444	0.0431	0.1620	-0.0000	0.0448	14:11:37	Yes

Automatic Recovery Check: 0506008-04

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	21.09	20.00	20.68	ug/L	103.4	85/115

Sequence No.: 45
Sample ID: LCB
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 124
Autosampler Location: 124
Date Collected: 6/28/2005 2:13:45 PM
Data Type: Original

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.13	0.13	0.0002	-0.0010	0.0013	-0.0390	0.0221	14:14:40	Yes

QC value within limits for Sb 217.6 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 46
Sample ID: LCM (25 ug/L)
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 126
Autosampler Location: 126
Date Collected: 6/28/2005 2:16:50 PM
Data Type: Original

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	24.16	24.16	0.0493	0.0480	0.1584	-0.0400	0.0174	14:17:45	Yes

QC value within limits for Sb 217.6 Recovery = 96.65%
All analyte(s) passed QC.

Sequence No.: 47
Sample ID: RLC (4 ug/L)
Analyst:
uL dispensed: 10 from 148, 5 from 121, 20 from 120
Autosampler Location: 120
Date Collected: 6/28/2005 2:19:55 PM
Data Type: Original

Replicate Data: RLC (4 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	3.86	3.86	0.0078	0.0066	0.0240	-0.0387	0.0208	14:20:50	Yes

QC value within limits for Sb 217.6 Recovery = 96.48%

All analyte(s) passed QC.

Printer was malfunctioning

Method Loaded
Method Name: Sb_CRL40 Method Last Saved: 1/30/2004 10:28:15 AM
Method Description: Sb Test Method

JMM 28 June 05

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calib Blank Date Collected: 6/28/2005 11:57:37 AM
Analyst: Data Type: Reprocessed on 6/28/2005 2:25:48 PM

Replicate Data: Calib Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[0.00]	-0.0008	-0.0008	0.0008	-0.0481	0.0096	11:58:41	Yes

Auto-zero performed.

Sequence No.: 2 Autosampler Location: 2
Sample ID: Standard 1 (4 ug/L) Date Collected: 6/28/2005 12:00:49 PM
Analyst: Data Type: Reprocessed on 6/28/2005 2:25:48 PM

Replicate Data: Standard 1 (4 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[4]	0.0089	0.0081	0.0276	-0.0443	0.0102	12:01:43	Yes

Standard number 1 applied. [4]
Correlation Coef.: 1.000000 Slope: 0.00222 Intercept: 0.00000

Sequence No.: 3 Autosampler Location: 3
Sample ID: Standard 2 (10 ug/L) Date Collected: 6/28/2005 12:03:51 PM
Analyst: Data Type: Reprocessed on 6/28/2005 2:25:49 PM

Replicate Data: Standard 2 (10 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[10]	0.0217	0.0210	0.0684	-0.0403	0.0117	12:04:45	Yes

Standard number 2 applied. [10]
Correlation Coef.: 0.999941 Slope: 0.00217 Intercept: 0.00008

Sequence No.: 4 Autosampler Location: 4
Sample ID: Standard3 (20 ug/L) Date Collected: 6/28/2005 12:06:53 PM
Analyst: Data Type: Reprocessed on 6/28/2005 2:25:49 PM

Replicate Data: Standard3 (20 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[20]	0.0435	0.0427	0.1342	-0.0392	0.0112	12:07:48	Yes

Standard number 3 applied. [20]
Correlation Coef.: 0.999987 Slope: 0.00217 Intercept: 0.00008

Sequence No.: 5 Autosampler Location: 5
Sample ID: Standard 4 (30 ug/L) Date Collected: 6/28/2005 12:09:56 PM
Analyst: Data Type: Reprocessed on 6/28/2005 2:25:49 PM

Replicate Data: Standard 4 (30 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[30]	0.0657	0.0649	0.1966	-0.0393	0.0135	12:11:13	Yes

Standard number 4 applied. [30]
Correlation Coef.: 0.999982 Slope: 0.00218 Intercept: 0.00000

Sequence No.: 6
Sample ID: Standard 5 (40 ug/L)
Analyst:

Autosampler Location: 6
Date Collected: 6/28/2005 12:13:21 PM
Data Type: Reprocessed on 6/28/2005 2:25:49 PM

Replicate Data: Standard 5 (40 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[40]	0.0869	0.0862	0.2560	-0.0363	0.0178	12:14:16	Yes

Standard number 5 applied. [40]
Correlation Coef.: 0.999985 Slope: 0.00218 Intercept: 0.00006

Calibration data for Sb 217.6 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calib Blank	0.0000	0	-0.03	----	----
Standard 1 (4 ug/L)	0.0089	4.0	4.06	----	----
Standard 2 (10 ug/L)	0.0217	10.0	9.96	----	----
Standard3 (20 ug/L)	0.0435	20.0	19.95	----	----
Standard 4 (30 ug/L)	0.0657	30.0	30.14	----	----
Standard 5 (40 ug/L)	0.0869	40.0	39.92	----	----

Correlation Coef.: 0.999985 Slope: 0.00218 Intercept: 0.00006

Sequence No.: 7
Sample ID: LCB
Analyst:

Autosampler Location: 124
Date Collected: 6/28/2005 12:16:24 PM
Data Type: Reprocessed on 6/28/2005 2:25:49 PM

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.19	0.19	0.0005	-0.0003	0.0016	-0.0426	0.0105	12:17:41	Yes

QC value within limits for Sb 217.6 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 8
Sample ID: LCM (25 ug/L)
Analyst:

Autosampler Location: 126
Date Collected: 6/28/2005 12:19:51 PM
Data Type: Reprocessed on 6/28/2005 2:25:49 PM

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	24.43	24.43	0.0532	0.0525	0.1588	-0.0372	0.0143	12:20:46	Yes

QC value within limits for Sb 217.6 Recovery = 97.72%
All analyte(s) passed QC.

Sequence No.: 9
Sample ID: RLC (4 ug/L)
Analyst:

Autosampler Location: 120
Date Collected: 6/28/2005 12:22:56 PM
Data Type: Reprocessed on 6/28/2005 2:25:49 PM

Replicate Data: RLC (4 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	3.58	3.58	0.0079	0.0071	0.0262	-0.0410	0.0109	12:23:51	Yes

QC value within limits for Sb 217.6 Recovery = 89.59%
All analyte(s) passed QC.

Sequence No.: 10
Sample ID: B506034-BLK1
Analyst:

Autosampler Location: 9
Date Collected: 6/28/2005 12:26:00 PM
Data Type: Reprocessed on 6/28/2005 2:25:49 PM

Replicate Data: B506034-BLK1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.00	0.00	0.0001	-0.0007	0.0012	-0.0411	0.0118	12:26:54	Yes

Sequence No.: 11
Sample ID: B506034-BLK1
Analyst:
Autosampler Location: 9
Date Collected: 6/28/2005 12:29:02 PM
Data Type: Reprocessed on 6/28/2005 2:25:49 PM

Replicate Data: B506034-BLK1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	20.00	20.00	0.0436	0.0428	0.1355	-0.0381	0.0119	12:29:57	Yes

Automatic Recovery Check: B506034-BLK1

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	20.00	20.00	20.01	ug/L	100.0	85/115

Sequence No.: 12
Sample ID: B506034-BS2
Analyst:
Autosampler Location: 10
Date Collected: 6/28/2005 12:32:05 PM
Data Type: Reprocessed on 6/28/2005 2:25:49 PM

Replicate Data: B506034-BS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	19.96	9.98	0.0218	0.0210	0.0694	-0.0416	0.0112	12:32:59	Yes

Sequence No.: 13
Sample ID: B506034-BS2
Analyst:
Autosampler Location: 10
Date Collected: 6/28/2005 12:35:07 PM
Data Type: Reprocessed on 6/28/2005 2:25:49 PM

Replicate Data: B506034-BS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	58.14	29.07	0.0633	0.0626	0.1956	-0.0357	0.0142	12:36:02	Yes

Automatic Recovery Check: B506034-BS2

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	29.98	20.00	19.09	ug/L	95.5	85/115

Sequence No.: 14
Sample ID: 0506008-01
Analyst:
Autosampler Location: 11
Date Collected: 6/28/2005 12:38:10 PM
Data Type: Reprocessed on 6/28/2005 2:25:49 PM

Replicate Data: 0506008-01

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.14	1.14	0.0025	0.0018	0.0096	-0.0036	0.0355	12:39:26	Yes

Sequence No.: 15
Sample ID: 0506008-01
Analyst:
Autosampler Location: 11
Date Collected: 6/28/2005 12:41:34 PM
Data Type: Reprocessed on 6/28/2005 2:25:50 PM

Replicate Data: 0506008-01

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak

#	ug/L	ug/L	Signal	Area	Height	Area	Height		Stored
1	21.29	21.29	0.0464	0.0456	0.1750	-0.0012	0.0385	12:42:29	Yes

Automatic Recovery Check: 0506008-01

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	21.14	20.00	20.15	ug/L	100.7	85/115

Sequence No.: 16
Sample ID: B506034-DUP1
Analyst:
Autosampler Location: 12
Date Collected: 6/28/2005 12:44:38 PM
Data Type: Reprocessed on 6/28/2005 2:25:50 PM

Replicate Data: B506034-DUP1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.09	1.09	0.0024	0.0017	0.0113	-0.0021	0.0428	12:45:33	Yes

Sequence No.: 17
Sample ID: B506034-DUP1
Analyst:
Autosampler Location: 12
Date Collected: 6/28/2005 12:47:41 PM
Data Type: Reprocessed on 6/28/2005 2:25:50 PM

Replicate Data: B506034-DUP1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	21.25	21.25	0.0463	0.0455	0.1776	0.0020	0.0444	12:48:36	Yes

Automatic Recovery Check: B506034-DUP1

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	21.09	20.00	20.16	ug/L	100.8	85/115

Sequence No.: 18
Sample ID: B506034-MS2
Analyst:
Autosampler Location: 13
Date Collected: 6/28/2005 12:50:45 PM
Data Type: Reprocessed on 6/28/2005 2:25:50 PM

Replicate Data: B506034-MS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	21.33	10.66	0.0233	0.0225	0.0930	-0.0152	0.0312	12:51:40	Yes

Sequence No.: 19
Sample ID: B506034-MS2
Analyst:
Autosampler Location: 13
Date Collected: 6/28/2005 12:53:48 PM
Data Type: Reprocessed on 6/28/2005 2:25:50 PM

Replicate Data: B506034-MS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	59.40	29.70	0.0647	0.0639	0.2467	-0.0120	0.0321	12:55:06	Yes

Automatic Recovery Check: B506034-MS2

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	30.66	20.00	19.04	ug/L	95.2	85/115

Sequence No.: 20
Sample ID: LCB
Analyst:
Autosampler Location: 124
Date Collected: 6/28/2005 12:57:14 PM
Data Type: Reprocessed on 6/28/2005 2:25:50 PM

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.08	0.08	0.0002	-0.0005	0.0018	-0.0379	0.0210	12:58:09	Yes

QC value within limits for Sb 217.6 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 21
Sample ID: LCM (25 ug/L)
Analyst:
Autosampler Location: 126
Date Collected: 6/28/2005 1:00:18 PM
Data Type: Reprocessed on 6/28/2005 2:25:50 PM

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	22.52	22.52	0.0491	0.0483	0.1612	-0.0344	0.0214	13:01:13	Yes

QC value within limits for Sb 217.6 Recovery = 90.09%
All analyte(s) passed QC.

Sequence No.: 22
Sample ID: 0506008-02
Analyst:
Autosampler Location: 14
Date Collected: 6/28/2005 1:03:23 PM
Data Type: Reprocessed on 6/28/2005 2:25:50 PM

Replicate Data: 0506008-02

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.90	0.90	0.0020	0.0013	0.0102	-0.0038	0.0450	13:04:18	Yes

Sequence No.: 23
Sample ID: 0506008-02
Analyst:
Autosampler Location: 14
Date Collected: 6/28/2005 1:06:26 PM
Data Type: Reprocessed on 6/28/2005 2:25:50 PM

Replicate Data: 0506008-02

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	20.32	20.32	0.0443	0.0435	0.1730	0.0002	0.0483	13:07:21	Yes

Automatic Recovery Check: 0506008-02

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	20.90	20.00	19.42	ug/L	97.1	85/115

Sequence No.: 24
Sample ID: 0506008-03
Analyst:
Autosampler Location: 15
Date Collected: 6/28/2005 1:09:30 PM
Data Type: Reprocessed on 6/28/2005 2:25:50 PM

Replicate Data: 0506008-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.85	0.85	0.0019	0.0011	0.0088	0.0089	0.0548	13:10:23	Yes

Sequence No.: 25
Sample ID: 0506008-03
Analyst:
Autosampler Location: 15
Date Collected: 6/28/2005 1:12:32 PM
Data Type: Reprocessed on 6/28/2005 2:25:51 PM

Replicate Data: 0506008-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	20.39	20.39	0.0444	0.0437	0.1667	0.0074	0.0515	13:13:26	Yes

Automatic Recovery Check: 0506008-03

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	20.85	20.00	19.54	ug/L	97.7	85/115

Sequence No.: 26
Sample ID: 0506008-04
Analyst:
Autosampler Location: 16
Date Collected: 6/28/2005 1:15:34 PM
Data Type: Reprocessed on 6/28/2005 2:25:51 PM

Replicate Data: 0506008-04

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.90	0.90	0.0020	0.0013	0.0090	0.0026	0.0494	13:16:28	Yes

Sequence No.: 27
Sample ID: 0506008-04
Analyst:
Autosampler Location: 16
Date Collected: 6/28/2005 1:18:36 PM
Data Type: Reprocessed on 6/28/2005 2:25:51 PM

Replicate Data: 0506008-04

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	20.39	20.39	0.0444	0.0437	0.1693	0.0056	0.0509	13:19:30	Yes

Automatic Recovery Check: 0506008-04

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	20.90	20.00	19.49	ug/L	97.5	85/115

Sequence No.: 28
Sample ID: LCB
Analyst:
Autosampler Location: 124
Date Collected: 6/28/2005 1:21:38 PM
Data Type: Reprocessed on 6/28/2005 2:25:51 PM

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.28	-0.28	-0.0006	-0.0013	0.0019	-0.0358	0.0229	13:22:33	Yes

QC value within limits for Sb 217.6 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 29
Sample ID: LCM (25 ug/L)
Analyst:
Autosampler Location: 126
Date Collected: 6/28/2005 1:24:42 PM
Data Type: Reprocessed on 6/28/2005 2:25:51 PM

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	22.29	22.29	0.0486	0.0478	0.1525	-0.0367	0.0198	13:25:37	Yes

QC value less than the lower limit for Sb 217.6 Recovery = 89.16%
QC Failed. Continue with analysis.

Sequence No.: 30
Sample ID: Calib Blank
Analyst:
Autosampler Location: 1
Date Collected: 6/28/2005 1:27:46 PM
Data Type: Reprocessed on 6/28/2005 2:25:51 PM

Replicate Data: Calib Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored

1	[0.00]	-0.0005	-0.0012	0.0017	-0.0373	0.0241	13:28:40	Yes

Auto-zero performed.

Sequence No.: 31 Autosampler Location: 2
Sample ID: Standard 1 (4 ug/L) Date Collected: 6/28/2005 1:30:48 PM
Analyst: Data Type: Reprocessed on 6/28/2005 2:25:51 PM

Replicate Data: Standard 1 (4 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[4]	0.0082	0.0070	0.0246	-0.0392	0.0199	13:31:42	Yes

Standard number 1 applied. [4]
Correlation Coef.: 0.999973 Slope: 0.00218 Intercept: -0.00018

Sequence No.: 32 Autosampler Location: 3
Sample ID: Standard 2 (10 ug/L) Date Collected: 6/28/2005 1:33:50 PM
Analyst: Data Type: Reprocessed on 6/28/2005 2:25:51 PM

Replicate Data: Standard 2 (10 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[10]	0.0201	0.0189	0.0598	-0.0391	0.0172	13:34:44	Yes

Standard number 2 applied. [10]
Correlation Coef.: 0.999819 Slope: 0.00219 Intercept: -0.00061

Sequence No.: 33 Autosampler Location: 4
Sample ID: Standard3 (20 ug/L) Date Collected: 6/28/2005 1:36:52 PM
Analyst: Data Type: Reprocessed on 6/28/2005 2:25:51 PM

Replicate Data: Standard3 (20 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[20]	0.0409	0.0397	0.1233	-0.0387	0.0172	13:37:46	Yes

Standard number 3 applied. [20]
Correlation Coef.: 0.999452 Slope: 0.00219 Intercept: -0.00094

Sequence No.: 34 Autosampler Location: 5
Sample ID: Standard 4 (30 ug/L) Date Collected: 6/28/2005 1:39:54 PM
Analyst: Data Type: Reprocessed on 6/28/2005 2:25:51 PM

Replicate Data: Standard 4 (30 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[30]	0.0612	0.0600	0.1747	-0.0390	0.0166	13:40:49	Yes

Standard number 4 applied. [30]
Correlation Coef.: 0.998974 Slope: 0.00214 Intercept: -0.00088

Sequence No.: 35 Autosampler Location: 6
Sample ID: Standard 5 (40 ug/L) Date Collected: 6/28/2005 1:42:57 PM
Analyst: Data Type: Reprocessed on 6/28/2005 2:25:51 PM

Replicate Data: Standard 5 (40 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[40]	0.0816	0.0803	0.2294	-0.0330	0.0202	13:43:51	Yes

Standard number 5 applied. [40]
Correlation Coef.: 0.999990 Slope: 0.00204 Intercept: -0.00003

Calibration data for Sb 217.6 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calib Blank	0.0000	0	0.02	----	----
Standard 1 (4 ug/L)	0.0082	4.0	4.04	----	----
Standard 2 (10 ug/L)	0.0201	10.0	9.87	----	----
Standard3 (20 ug/L)	0.0409	20.0	20.07	----	----
Standard 4 (30 ug/L)	0.0612	30.0	30.02	----	----
Standard 5 (40 ug/L)	0.0816	40.0	39.98	----	----

Correlation Coef.: 0.999990 Slope: 0.00204 Intercept: -0.00003

Sequence No.: 36 Autosampler Location: 124
Sample ID: LCB Date Collected: 6/28/2005 1:45:59 PM
Analyst: Data Type: Reprocessed on 6/28/2005 2:25:52 PM

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.14	0.14	0.0003	-0.0010	0.0011	-0.0391	0.0192	13:46:55	Yes

QC value within limits for Sb 217.6 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 37 Autosampler Location: 126
Sample ID: LCM (25 ug/L) Date Collected: 6/28/2005 1:49:03 PM
Analyst: Data Type: Reprocessed on 6/28/2005 2:25:52 PM

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	24.36	24.36	0.0497	0.0484	0.1471	-0.0402	0.0176	13:49:58	Yes

QC value within limits for Sb 217.6 Recovery = 97.46%
All analyte(s) passed QC.

Sequence No.: 38 Autosampler Location: 120
Sample ID: RLC (4 ug/L) Date Collected: 6/28/2005 1:52:08 PM
Analyst: Data Type: Reprocessed on 6/28/2005 2:25:52 PM

Replicate Data: RLC (4 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	4.07	4.07	0.0083	0.0070	0.0225	-0.0376	0.0205	13:53:03	Yes

QC value within limits for Sb 217.6 Recovery = 101.64%
All analyte(s) passed QC.

Sequence No.: 39 Autosampler Location: 14
Sample ID: 0506008-02 Date Collected: 6/28/2005 1:55:12 PM
Analyst: Data Type: Reprocessed on 6/28/2005 2:25:52 PM

Replicate Data: 0506008-02

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.37	1.37	0.0028	0.0015	0.0087	-0.0052	0.0414	13:56:06	Yes

Sequence No.: 40 Autosampler Location: 14
Sample ID: 0506008-02 Date Collected: 6/28/2005 1:58:14 PM
Analyst: Data Type: Reprocessed on 6/28/2005 2:25:52 PM

Replicate Data: 0506008-02

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored

1	21.90	21.90	0.0447	0.0434	0.1572	-0.0196	0.0241	13:59:08	Yes

Automatic Recovery Check: 0506008-02

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	21.37	20.00	20.53	ug/L	102.7	85/115

Sequence No.: 41
Sample ID: 0506008-03
Analyst:
Autosampler Location: 15
Date Collected: 6/28/2005 2:01:16 PM
Data Type: Reprocessed on 6/28/2005 2:25:53 PM

Replicate Data: 0506008-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.03	1.03	0.0021	0.0008	0.0094	-0.0001	0.0481	14:02:10	Yes

Sequence No.: 42
Sample ID: 0506008-03
Analyst:
Autosampler Location: 15
Date Collected: 6/28/2005 2:04:18 PM
Data Type: Reprocessed on 6/28/2005 2:25:53 PM

Replicate Data: 0506008-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	21.81	21.81	0.0445	0.0432	0.1623	-0.0006	0.0468	14:05:12	Yes

Automatic Recovery Check: 0506008-03

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	21.03	20.00	20.79	ug/L	103.9	85/115

Sequence No.: 43
Sample ID: 0506008-04
Analyst:
Autosampler Location: 16
Date Collected: 6/28/2005 2:07:21 PM
Data Type: Reprocessed on 6/28/2005 2:25:53 PM

Replicate Data: 0506008-04

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.09	1.09	0.0022	0.0009	0.0085	0.0019	0.0494	14:08:35	Yes

Sequence No.: 44
Sample ID: 0506008-04
Analyst:
Autosampler Location: 16
Date Collected: 6/28/2005 2:10:43 PM
Data Type: Reprocessed on 6/28/2005 2:25:53 PM

Replicate Data: 0506008-04

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	21.77	21.77	0.0444	0.0431	0.1620	-0.0000	0.0448	14:11:37	Yes

Automatic Recovery Check: 0506008-04

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
Sb 217.6	21.09	20.00	20.68	ug/L	103.4	85/115

Sequence No.: 45
Sample ID: LCB
Analyst:
Autosampler Location: 124
Date Collected: 6/28/2005 2:13:45 PM
Data Type: Reprocessed on 6/28/2005 2:25:53 PM

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.13	0.13	0.0002	-0.0010	0.0013	-0.0390	0.0221	14:14:40	Yes

QC value within limits for Sb 217.6 Recovery = Not calculated
All analyte(s) passed QC.

==========

Sequence No.: 46
Sample ID: LCM (25 ug/L)
Analyst:

Autosampler Location: 126
Date Collected: 6/28/2005 2:16:50 PM
Data Type: Reprocessed on 6/28/2005 2:25:54 PM

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	24.16	24.16	0.0493	0.0480	0.1584	-0.0400	0.0174	14:17:45	Yes

QC value within limits for Sb 217.6 Recovery = 96.65%
All analyte(s) passed QC.

==========

Sequence No.: 47
Sample ID: RLC (4 ug/L)
Analyst:

Autosampler Location: 120
Date Collected: 6/28/2005 2:19:55 PM
Data Type: Reprocessed on 6/28/2005 2:25:54 PM

Replicate Data: RLC (4 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	3.86	3.86	0.0078	0.0066	0.0240	-0.0387	0.0208	14:20:50	Yes

QC value within limits for Sb 217.6 Recovery = 96.48%
All analyte(s) passed QC.

QUALITY CONTROL SAMPLE CALCULATIONS (WATER ANALYSIS)
GFAA METALS

WORK ORDER # 0506008
RUN: 062805As

Analyst: JVM
Date: 28 June 05

CORRELATION COEFFICIENT (As): 0.999979
SLOPE (As): 0.00410
INT (As): -0.00039

MATRIX QC (REAGENT BLANK), LIMIT = ± MDL:

SAMPLE ID	SAMPLE RESULT (µg/L)	MDL (µg/L)
B506034-BLK1	-0.02	0.5

MATRIX QC (SPIKE BLANK), % RECOVERY LIMIT = 100 ± 15%:

SAMPLE ID	SAMPLE RESULT (µg/L)	SPIKE CONC. (µg/L)	% RECOVERY
B506034-BS2	20.58	20	102.89

MATRIX QC (DUPLICATE ANALYSIS), RPD = ± 10%, DELTA < or = MDL:

SAMPLE ID	SAMPLE RESULT (µg/L)	DUPLICATE RESULT (µg/L)	RPD	DELTA
B506034-DUP1 (0505008-01)	1.98	2.06	3.62%	0.07

MATRIX QC (SPIKE ANALYSIS), % RECOVERY LIMIT = 100 ± 15%:

SAMPLE ID	SAMPLE RESULT (µg/L)	SPIKE SAMPLE RESULT (µg/L)	SPIKE CONC. (µg/L)	% RECOVERY
B506034-MS2 (0505008-01)	1.98	22.72	20	103.69

ANALYTICAL QC (Reporting Limit Check, RLC), % RECOVERY LIMIT = 100 ± 20%:

RLC RESULT (µg/L)	RLC TRUE VALUE (µg/L)	% RECOVERY
2.01	2	100.46%
2.07	2	103.38%

ANALYTICAL QC (BLANK), LIMIT = ± MDL:

BLANK ID	RESULT (µg/L)	MDL (µg/L)
LCB1	0.03	0.5
LCB2	0.23	0.5
LCB3	0.03	0.5

JVM
1 July 05

ANALYTICAL QC (STANDARD), % RECOVERY LIMIT = 100 ± 10%:

STANDARD ID	RESULT (µg/L)	STANDARD CONC. (µg/L)	% RECOVERY
LCM1	24.83	25	99.32
LCM2	25.03	25	100.14
LCM3	24.49	25	97.96

Sample ID	Date	Time	Aliquot Vol.	Diluted To \	Analyte Nar	Conc (Calib	Units (Calib	Conc (Sam	Units (Sam	Special Cal	Recover
Calib Blank	06/28/2005	09:00:22 AM			As 193.7		ug/L		ug/L		
Standard 1 (2 ug/L)	06/28/2005	09:03:46 AM			As 193.7		ug/L		ug/L		
Standard 2 (10 ug/L)	06/28/2005	09:07:25 AM			As 193.7		ug/L		ug/L		
Standard 3 (20 ug/L)	06/28/2005	09:10:42 AM			As 193.7		ug/L		ug/L		
Standard 4 (30 ug/L)	06/28/2005	09:13:59 AM			As 193.7		ug/L		ug/L		
Standard 5 (40 ug/L)	06/28/2005	09:17:39 AM			As 193.7		ug/L		ug/L		
LCB	06/28/2005	09:20:56 AM			As 193.7	0.0294662	ug/L	0.0294662	ug/L		
LCM (25 ug/L)	06/28/2005	09:24:37 AM			As 193.7	24.830546	ug/L	24.830546	ug/L		99.322183
RLC (2 ug/L)	06/28/2005	09:27:57 AM			As 193.7	2.0092184	ug/L	2.0092184	ug/L		100.46092
B506034-BLK1	06/28/2005	09:31:16 AM			As 193.7	-0.018556	ug/L	-0.018556	ug/L		
B506034-BLK1	06/28/2005	09:34:34 AM			As 193.7	20.309374	ug/L	20.309374	ug/L	101.63965	
B506034-BS2	06/28/2005	09:37:54 AM	1	2	As 193.7	10.288948	ug/L	20.577897	ug/L		
B506034-BS2	06/28/2005	09:41:11 AM	1	2	As 193.7	30.006513	ug/L	60.013026	ug/L	98.587824	
0506008-01	06/28/2005	09:44:31 AM			As 193.7	1.9848329	ug/L	1.9848329	ug/L		
0506008-01	06/28/2005	09:47:48 AM			As 193.7	23.005923	ug/L	23.005923	ug/L	105.10545	
B506034-DUP1	06/28/2005	09:51:07 AM			As 193.7	2.0580031	ug/L	2.0580031	ug/L		
B506034-DUP1	06/28/2005	09:54:24 AM			As 193.7	22.674427	ug/L	22.674427	ug/L	103.08212	
B506034-MS2	06/28/2005	09:57:44 AM	1	2	As 193.7	11.361627	ug/L	22.723255	ug/L		
B506034-MS2	06/28/2005	10:01:01 AM	1	2	As 193.7	32.074897	ug/L	64.149795	ug/L	103.56635	
LCB	06/28/2005	10:04:42 AM			As 193.7	0.2298993	ug/L	0.2298993	ug/L		
LCM (25 ug/L)	06/28/2005	10:08:01 AM			As 193.7	25.034793	ug/L	25.034793	ug/L		100.13917
0506008-02	06/28/2005	10:11:20 AM			As 193.7	1.6793467	ug/L	1.6793467	ug/L		
0506008-02	06/28/2005	10:14:38 AM			As 193.7	22.613749	ug/L	22.613749	ug/L	104.67201	
0506008-03	06/28/2005	10:17:56 AM			As 193.7	2.0666791	ug/L	2.0666791	ug/L		
0506008-03	06/28/2005	10:21:34 AM			As 193.7	23.127749	ug/L	23.127749	ug/L	105.30535	
0506008-04	06/28/2005	10:24:53 AM			As 193.7	2.4285503	ug/L	2.4285503	ug/L		
0506008-04	06/28/2005	10:28:10 AM			As 193.7	22.940328	ug/L	22.940328	ug/L	102.55889	
LCB	06/28/2005	10:31:28 AM			As 193.7	0.0349664	ug/L	0.0349664	ug/L		
LCM (25 ug/L)	06/28/2005	10:34:47 AM			As 193.7	24.489577	ug/L	24.489577	ug/L		97.958308
RLC (2 ug/L)	06/28/2005	10:38:07 AM			As 193.7	2.0675433	ug/L	2.0675433	ug/L		103.37717

JVM
1 July 05

Analysis Begun

JVM 28 June 05

Logged In Analyst: JVMORRIS

Technique: AA Furnace

Spectrometer Model: AA800, S/N 8638

Autosampler Model: AS-800

Sample Information File: C:\data-AA\JVMORRIS\Sample Information\062805As.sif

Batch ID: B506034

Results Data Set: 062805As

Results Library: C:\data-AA\JVMORRIS\Results\Results.mdb

Method Loaded

Method Name: As CRL40

Method Last Saved: 4/1/2004 1:44:08 PM

Method Description: As Test Method

Sequence No.: 1

Autosampler Location: 1

Sample ID: Calib Blank

Date Collected: 6/28/2005 9:00:22 AM

Analyst:

Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 1

Replicate Data: Calib Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[0.00]	-0.0007	-0.0007	0.0018	0.0014	0.0190	09:01:22	Yes

Auto-zero performed.

Sequence No.: 2

Autosampler Location: 2

Sample ID: Standard 1 (2 ug/L)

Date Collected: 6/28/2005 9:03:46 AM

Analyst:

Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 2

Sequence No.: 5 Autosampler Location: 5

Sample ID: Standard 4 (30 ug/L) Date Collected: 6/28/2005 9:13:59 AM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 5

Replicate Data: Standard 4 (30 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[30]	0.1222	0.1214	0.3733	0.0110	0.0281	09:15:15	Yes

Standard number 4 applied. [30]

Correlation Coef.: 0.999979 Slope: 0.00409 Intercept: -0.00025

Sequence No.: 6 Autosampler Location: 6

Sample ID: Standard 5 (40 ug/L) Date Collected: 6/28/2005 9:17:39 AM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 6

Replicate Data: Standard 5 (40 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[40]	0.1642	0.1635	0.4960	0.0141	0.0341	09:18:32	Yes

Standard number 5 applied. [40]

Correlation Coef.: 0.999979 Slope: 0.00410 Intercept: -0.00039

Calibration data for As 193.7 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calib Blank	0.0000	0	0.10	----	----
Standard 1 (2 ug/L)	0.0077	2.0	1.98	----	----
Standard 2 (10 ug/L)	0.0403	10.0	9.91	----	----
Standard 3 (20 ug/L)	0.0819	20.0	20.06	----	----

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 120

Replicate Data: RLC (2 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	2.01	2.01	0.0079	0.0071	0.0268	0.0075	0.0182	09:28:53	Yes

QC value within limits for As 193.7 Recovery = 100.46%

All analyte(s) passed QC.

Sequence No.: 10 Autosampler Location: 9

Sample ID: B506034-BLK1 Date Collected: 6/28/2005 9:31:16 AM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 9

Replicate Data: B506034-BLK1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.02	-0.02	-0.0005	-0.0012	0.0012	0.0090	0.0195	09:32:10	Yes

---

Sequence No.: 11 Autosampler Location: 9

Sample ID: B506034-BLK1 Date Collected: 6/28/2005 9:34:34 AM

Analyst: Data Type: Original

uL dispensed: 5 from 121, 10 from 129, 20 from 9

Replicate Data: B506034-BLK1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	20.31	20.31	0.0830	0.0822	0.2529	0.0114	0.0241	09:35:30	Yes

---

Automatic Recovery Check: B506034-BLK1

Sequence No.: 14 Autosampler Location: 11

Sample ID: 0506008-01 Date Collected: 6/28/2005 9:44:31 AM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 11

Replicate Data: 0506008-01

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.98	1.98	0.0078	0.0070	0.0231	0.0484	0.0406	09:45:25	Yes

Sequence No.: 15 Autosampler Location: 11

Sample ID: 0506008-01 Date Collected: 6/28/2005 9:47:48 AM

Analyst: Data Type: Original

uL dispensed: 5 from 121, 10 from 129, 20 from 11

Replicate Data: 0506008-01

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	23.01	23.01	0.0940	0.0933	0.2497	0.0529	0.0396	09:48:43	Yes

---

Automatic Recovery Check: 0506008-01

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
As 193.7	21.98	20.00	21.02	ug/L	105.1	85/115

Sequence No.: 16 Autosampler Location: 12

Sample ID: B506034-DUP1 Date Collected: 6/28/2005 9:51:07 AM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 12

Replicate Data: B506034-DUP1

Sequence No.: 19 Autosampler Location: 13

Sample ID: B506034-MS2 Date Collected: 6/28/2005 10:01:01 AM

Analyst: Data Type: Original

uL dispensed: 5 from 121, 10 from 129, 20 from 13

Replicate Data: B506034-MS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	64.15	32.07	0.1313	0.1305	0.3208	0.0364	0.0325	10:02:18	Yes

---

Automatic Recovery Check: B506034-MS2

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
As 193.7	31.36	20.00	20.71	ug/L	103.6	85/115

Sequence No.: 20 Autosampler Location: 124

Sample ID: LCB Date Collected: 6/28/2005 10:04:42 AM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 124

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.23	0.23	0.0005	-0.0002	0.0013	0.0154	0.0197	10:05:37	Yes

QC value within limits for As 193.7 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 21 Autosampler Location: 126

Sample ID: LCM (25 ug/L) Date Collected: 6/28/2005 10:08:01 AM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 126

	Conc.	Increase	Increase		(%)	Lower/Upper
s 193.7	21.68	20.00	20.93	ug/L	104.7	85/115

==========

Sequence No.: 24 Autosampler Location: 15

Sample ID: 0506008-03 Date Collected: 6/28/2005 10:17:56 AM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 15

Replicate Data: 0506008-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	2.07	2.07	0.0081	0.0074	0.0250	0.0545	0.0417	10:19:10	Yes

==========

Sequence No.: 25 Autosampler Location: 15

Sample ID: 0506008-03 Date Collected: 6/28/2005 10:21:34 AM

Analyst: Data Type: Original

uL dispensed: 5 from 121, 10 from 129, 20 from 15

Replicate Data: 0506008-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	23.13	23.13	0.0945	0.0938	0.2449	0.0619	0.0412	10:22:29	Yes

---

Automatic Recovery Check: 0506008-03

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
As 193.7	22.07	20.00	21.06	ug/L	105.3	85/115

==========

Sequence No.: 26 Autosampler Location: 16

Sample ID: 0506008-04 Date Collected: 6/28/2005 10:24:53 AM

Analyst: Data Type: Original

#	ug/L	ug/L	Signal	Area	Height	Area	Height		Stored
1	0.03	0.03	-0.0003	-0.0010	0.0013	0.0154	0.0191	10:32:23	Yes

QC value within limits for As 193.7 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 29 Autosampler Location: 126

Sample ID: LCM (25 ug/L) Date Collected: 6/28/2005 10:34:47 AM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 126

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	24.49	24.49	0.1001	0.0994	0.3061	0.0169	0.0252	10:35:42	Yes

QC value within limits for As 193.7 Recovery = 97.96%

All analyte(s) passed QC.

Sequence No.: 30 Autosampler Location: 120

Sample ID: RLC (2 ug/L) Date Collected: 6/28/2005 10:38:07 AM

Analyst: Data Type: Original

uL dispensed: 10 from 148, 5 from 121, 20 from 120

Replicate Data: RLC (2 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	2.07	2.07	0.0081	0.0074	0.0247	0.0132	0.0178	10:39:01	Yes

QC value within limits for As 193.7 Recovery = 103.38%

All analyte(s) passed QC.

Reprocessing Begun
Logged In Analyst: JVMORRIS Technique: AA Furnace

Jvm initials

Results Data Set (original): 062805As
Results Library (original): C:\data-AA\JVMORRIS\Results\Results.mdb
Results Data Set (reprocessed): 062805Asr
Results Library (reprocessed): C:\data-AA\JVMORRIS\Results\Results.mdb

reprocessed because prompt misbehaved

Method Loaded
Method Name: As_CRL40 Method Last Saved: 4/1/2004 1:44:08 PM
Method Description: As Test Method

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calib Blank Date Collected: 6/28/2005 9:00:22 AM
Analyst: Data Type: Reprocessed on 6/28/2005 10:44:23 AM

Replicate Data: Calib Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[0.00]	-0.0007	-0.0007	0.0018	0.0014	0.0190	09:01:22	Yes

Auto-zero performed.

Sequence No.: 2 Autosampler Location: 2
Sample ID: Standard 1 (2 ug/L) Date Collected: 6/28/2005 9:03:46 AM
Analyst: Data Type: Reprocessed on 6/28/2005 10:44:23 AM

Replicate Data: Standard 1 (2 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[2]	0.0077	0.0070	0.0258	0.0017	0.0190	09:05:01	Yes

Standard number 1 applied. [2]
Correlation Coef.: 1.000000 Slope: 0.00386 Intercept: 0.00000

Sequence No.: 3 Autosampler Location: 3
Sample ID: Standard 2 (10 ug/L) Date Collected: 6/28/2005 9:07:25 AM
Analyst: Data Type: Reprocessed on 6/28/2005 10:44:23 AM

Replicate Data: Standard 2 (10 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[10]	0.0403	0.0396	0.1335	0.0045	0.0201	09:08:18	Yes

Standard number 2 applied. [10]
Correlation Coef.: 0.999965 Slope: 0.00404 Intercept: -0.00016

Sequence No.: 4 Autosampler Location: 4
Sample ID: Standard 3 (20 ug/L) Date Collected: 6/28/2005 9:10:42 AM
Analyst: Data Type: Reprocessed on 6/28/2005 10:44:23 AM

Replicate Data: Standard 3 (20 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[20]	0.0819	0.0812	0.2542	0.0109	0.0236	09:11:35	Yes

Standard number 3 applied. [20]
Correlation Coef.: 0.999959 Slope: 0.00410 Intercept: -0.00033

Sequence No.: 5 Autosampler Location: 5
Sample ID: Standard 4 (30 ug/L) Date Collected: 6/28/2005 9:13:59 AM
Analyst: Data Type: Reprocessed on 6/28/2005 10:44:23 AM

Replicate Data: Standard 4 (30 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[30]	0.1222	0.1214	0.3733	0.0110	0.0281	09:15:15	Yes

Standard number 4 applied. [30]
Correlation Coef.: 0.999979 Slope: 0.00409 Intercept: -0.00025

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: Standard 5 (40 ug/L) **Date Collected: 6/28/2005 9:17:39 AM**
Analyst: **Data Type: Reprocessed on 6/28/2005 10:44:23 AM**

Replicate Data: Standard 5 (40 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[40]	0.1642	0.1635	0.4960	0.0141	0.0341	09:18:32	Yes

Standard number 5 applied. [40]
Correlation Coef.: 0.999979 Slope: 0.00410 Intercept: -0.00039

Calibration data for As 193.7 **Equation: Linear, Calculated Intercept**

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calib Blank	0.0000	0	0.10	----	----
Standard 1 (2 ug/L)	0.0077	2.0	1.98	----	----
Standard 2 (10 ug/L)	0.0403	10.0	9.91	----	----
Standard 3 (20 ug/L)	0.0819	20.0	20.06	----	----
Standard 4 (30 ug/L)	0.1222	30.0	29.86	----	----
Standard 5 (40 ug/L)	0.1642	40.0	40.10	----	----

Correlation Coef.: 0.999979 Slope: 0.00410 Intercept: -0.00039

Sequence No.: 7 **Autosampler Location: 124**
Sample ID: LCB **Date Collected: 6/28/2005 9:20:56 AM**
Analyst: **Data Type: Reprocessed on 6/28/2005 10:44:23 AM**

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.03	0.03	-0.0003	-0.0010	0.0013	0.0065	0.0182	09:22:13	Yes

QC value within limits for As 193.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 8 **Autosampler Location: 126**
Sample ID: LCM (25 ug/L) **Date Collected: 6/28/2005 9:24:37 AM**
Analyst: **Data Type: Reprocessed on 6/28/2005 10:44:23 AM**

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	24.83	24.83	0.1015	0.1008	0.3032	0.0104	0.0250	09:25:32	Yes

QC value within limits for As 193.7 Recovery = 99.32%
All analyte(s) passed QC.

Sequence No.: 9 **Autosampler Location: 120**
Sample ID: RLC (2 ug/L) **Date Collected: 6/28/2005 9:27:57 AM**
Analyst: **Data Type: Reprocessed on 6/28/2005 10:44:23 AM**

Replicate Data: RLC (2 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored

1	2.01	2.01	0.0079	0.0071	0.0268	0.0075	0.0182	09:28:53	Yes

QC value within limits for As 193.7 Recovery = 100.46%
All analyte(s) passed QC.

Sequence No.: 10 Autosampler Location: 9
Sample ID: B506034-BLK1 Date Collected: 6/28/2005 9:31:16 AM
Analyst: Data Type: Reprocessed on 6/28/2005 10:44:24 AM

Replicate Data: B506034-BLK1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.02	-0.02	-0.0005	-0.0012	0.0012	0.0090	0.0195	09:32:10	Yes

---

Sequence No.: 11 Autosampler Location: 9
Sample ID: B506034-BLK1 Date Collected: 6/28/2005 9:34:34 AM
Analyst: Data Type: Reprocessed on 6/28/2005 10:44:24 AM

Replicate Data: B506034-BLK1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	20.31	20.31	0.0830	0.0822	0.2529	0.0114	0.0241	09:35:30	Yes

Automatic Recovery Check: B506034-BLK1

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
As 193.7	19.98	20.00	20.33	ug/L	101.6	85/115

Sequence No.: 12 Autosampler Location: 10
Sample ID: B506034-BS2 Date Collected: 6/28/2005 9:37:54 AM
Analyst: Data Type: Reprocessed on 6/28/2005 10:44:24 AM

Replicate Data: B506034-BS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	20.58	10.29	0.0418	0.0411	0.1269	0.0090	0.0196	09:38:47	Yes

---

Sequence No.: 13 Autosampler Location: 10
Sample ID: B506034-BS2 Date Collected: 6/28/2005 9:41:11 AM
Analyst: Data Type: Reprocessed on 6/28/2005 10:44:24 AM

Replicate Data: B506034-BS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	60.01	30.01	0.1228	0.1220	0.3779	0.0165	0.0303	09:42:07	Yes

Automatic Recovery Check: B506034-BS2

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
As 193.7	30.29	20.00	19.72	ug/L	98.6	85/115

Sequence No.: 14 Autosampler Location: 11
Sample ID: 0506008-01 Date Collected: 6/28/2005 9:44:31 AM
Analyst: Data Type: Reprocessed on 6/28/2005 10:44:24 AM

Replicate Data: 0506008-01

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.98	1.98	0.0078	0.0070	0.0231	0.0484	0.0406	09:45:25	Yes

Sequence No.: 15
Sample ID: 0506008-01
Analyst:

Autosampler Location: 11
Date Collected: 6/28/2005 9:47:48 AM
Data Type: Reprocessed on 6/28/2005 10:44:24 AM

Replicate Data: 0506008-01

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	23.01	23.01	0.0940	0.0933	0.2497	0.0529	0.0396	09:48:43	Yes

Automatic Recovery Check: 0506008-01

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
As 193.7	21.98	20.00	21.02	ug/L	105.1	85/115

Sequence No.: 16
Sample ID: B506034-DUP1
Analyst:

Autosampler Location: 12
Date Collected: 6/28/2005 9:51:07 AM
Data Type: Reprocessed on 6/28/2005 10:44:24 AM

Replicate Data: B506034-DUP1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	2.06	2.06	0.0081	0.0073	0.0226	0.0463	0.0374	09:52:00	Yes

Sequence No.: 17
Sample ID: B506034-DUP1
Analyst:

Autosampler Location: 12
Date Collected: 6/28/2005 9:54:24 AM
Data Type: Reprocessed on 6/28/2005 10:44:24 AM

Replicate Data: B506034-DUP1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	22.67	22.67	0.0927	0.0920	0.2615	0.0498	0.0367	09:55:20	Yes

Automatic Recovery Check: B506034-DUP1

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
As 193.7	22.06	20.00	20.62	ug/L	103.1	85/115

Sequence No.: 18
Sample ID: B506034-MS2
Analyst:

Autosampler Location: 13
Date Collected: 6/28/2005 9:57:44 AM
Data Type: Reprocessed on 6/28/2005 10:44:24 AM

Replicate Data: B506034-MS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	22.72	11.36	0.0462	0.0455	0.1337	0.0367	0.0340	09:58:37	Yes

Sequence No.: 19
Sample ID: B506034-MS2
Analyst:

Autosampler Location: 13
Date Collected: 6/28/2005 10:01:01 AM
Data Type: Reprocessed on 6/28/2005 10:44:24 AM

Replicate Data: B506034-MS2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	64.15	32.07	0.1313	0.1305	0.3208	0.0364	0.0325	10:02:18	Yes

Automatic Recovery Check: B506034-MS2

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
As 193.7	31.36	20.00	20.71	ug/L	103.6	85/115

Sequence No.: 20
Sample ID: LCB
Analyst:
Autosampler Location: 124
Date Collected: 6/28/2005 10:04:42 AM
Data Type: Reprocessed on 6/28/2005 10:44:24 AM

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.23	0.23	0.0005	-0.0002	0.0013	0.0154	0.0197	10:05:37	Yes

QC value within limits for As 193.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 21
Sample ID: LCM (25 ug/L)
Analyst:
Autosampler Location: 126
Date Collected: 6/28/2005 10:08:01 AM
Data Type: Reprocessed on 6/28/2005 10:44:24 AM

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	25.03	25.03	0.1024	0.1016	0.3003	0.0161	0.0254	10:08:57	Yes

QC value within limits for As 193.7 Recovery = 100.14%
All analyte(s) passed QC.

Sequence No.: 22
Sample ID: 0506008-02
Analyst:
Autosampler Location: 14
Date Collected: 6/28/2005 10:11:20 AM
Data Type: Reprocessed on 6/28/2005 10:44:25 AM

Replicate Data: 0506008-02

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.68	1.68	0.0065	0.0058	0.0190	0.0509	0.0416	10:12:14	Yes

Sequence No.: 23
Sample ID: 0506008-02
Analyst:
Autosampler Location: 14
Date Collected: 6/28/2005 10:14:38 AM
Data Type: Reprocessed on 6/28/2005 10:44:25 AM

Replicate Data: 0506008-02

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	22.61	22.61	0.0924	0.0917	0.2454	0.0550	0.0399	10:15:32	Yes

Automatic Recovery Check: 0506008-02

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
As 193.7	21.68	20.00	20.93	ug/L	104.7	85/115

Sequence No.: 24
Sample ID: 0506008-03
Analyst:
Autosampler Location: 15
Date Collected: 6/28/2005 10:17:56 AM
Data Type: Reprocessed on 6/28/2005 10:44:25 AM

Replicate Data: 0506008-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	2.07	2.07	0.0081	0.0074	0.0250	0.0545	0.0417	10:19:10	Yes

Sequence No.: 25
Sample ID: 0506008-03
Analyst:

Autosampler Location: 15
Date Collected: 6/28/2005 10:21:34 AM
Data Type: Reprocessed on 6/28/2005 10:44:25 AM

Replicate Data: 0506008-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	23.13	23.13	0.0945	0.0938	0.2449	0.0619	0.0412	10:22:29	Yes

Automatic Recovery Check: 0506008-03

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
As 193.7	22.07	20.00	21.06	ug/L	105.3	85/115

Sequence No.: 26
Sample ID: 0506008-04
Analyst:

Autosampler Location: 16
Date Collected: 6/28/2005 10:24:53 AM
Data Type: Reprocessed on 6/28/2005 10:44:25 AM

Replicate Data: 0506008-04

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	2.43	2.43	0.0096	0.0088	0.0237	0.0582	0.0437	10:25:46	Yes

Sequence No.: 27
Sample ID: 0506008-04
Analyst:

Autosampler Location: 16
Date Collected: 6/28/2005 10:28:10 AM
Data Type: Reprocessed on 6/28/2005 10:44:25 AM

Replicate Data: 0506008-04

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	22.94	22.94	0.0938	0.0930	0.2520	0.0587	0.0396	10:29:04	Yes

Automatic Recovery Check: 0506008-04

Analyte	Expected Conc.	Expected Increase	Measured Increase	Units	Recovery (%)	Limits (%) Lower/Upper
As 193.7	22.43	20.00	20.51	ug/L	102.6	85/115

Sequence No.: 28
Sample ID: LCB
Analyst:

Autosampler Location: 124
Date Collected: 6/28/2005 10:31:28 AM
Data Type: Reprocessed on 6/28/2005 10:44:25 AM

Replicate Data: LCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.03	0.03	-0.0003	-0.0010	0.0013	0.0154	0.0191	10:32:23	Yes

QC value within limits for As 193.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 29
Sample ID: LCM (25 ug/L)
Analyst:

Autosampler Location: 126
Date Collected: 6/28/2005 10:34:47 AM
Data Type: Reprocessed on 6/28/2005 10:44:25 AM

Replicate Data: LCM (25 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	24.49	24.49	0.1001	0.0994	0.3061	0.0169	0.0252	10:35:42	Yes

QC value within limits for As 193.7 Recovery = 97.96%
All analyte(s) passed QC.

Sequence No.: 30
Sample ID: RLC (2 ug/L)
Analyst:

Autosampler Location: 120
Date Collected: 6/28/2005 10:38:07 AM
Data Type: Reprocessed on 6/28/2005 10:44:25 AM

Replicate Data: RLC (2 ug/L)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	2.07	2.07	0.0081	0.0074	0.0247	0.0132	0.0178	10:39:01	Yes

QC value within limits for As 193.7 Recovery = 103.38%

All analyte(s) passed QC.

PROJECT	SAMPLENAME	SAMPDATE	METHODCODE	ANALYTE	RESULT	DL	RL
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Aluminum	0.127	0.0220	0.100
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Antimony	U	0.00460	0.0200
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Arsenic	U	0.00440	0.0150
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Barium	0.0240	0.000700	0.00200
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Beryllium	U	0.000200	0.00100
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Boron	U	0.0270	0.100
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Cadmium	U	0.000200	0.00100
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Calcium	46.1	0.0140	0.0600
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Chromium	0.00736	0.00120	0.00400
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Cobalt	U	0.000500	0.00200
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Copper	0.00588	0.00110	0.00500
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Iron	1.24	0.00370	0.0200
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Lead	U	0.00460	0.0150
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Lithium	U	0.00620	0.0250
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Magnesium	16.7	0.00500	0.0200
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Manganese	0.0446	0.000300	0.00100
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Molybdenum	0.00923	0.00100	0.00400
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Nickel	0.00232	0.000600	0.00200
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Potassium	3.95	0.660	2.00
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Selenium	U	0.00700	0.0300
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Silver	U	0.00270	0.00500
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Sodium	26.9	0.0550	0.400
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Strontium	0.136	0.000200	0.00100
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Thallium	U	0.00800	0.0200
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Tin	U	0.00200	0.0100
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Titanium	U	0.00130	0.00500
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Vanadium	U	0.00180	0.00600
DuPont East Chicago	DRAFT: 2005RC09S01-Kennedy (ms/msd)	6/9/2005	Metals full ICP (W)	Zinc	U	0.0110	0.0400
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Aluminum	U	0.0220	0.100
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Antimony	U	0.00460	0.0200
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Arsenic	U	0.00440	0.0150
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Barium	0.0232	0.000700	0.00200
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Beryllium	U	0.000200	0.00100
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Boron	U	0.0270	0.100
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Cadmium	U	0.000200	0.00100
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Calcium	46.8	0.0140	0.0600

Zinc?
Arsenic?
Lead?

DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Chromium	0.00595	0.00120	0.00400
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Cobalt	U	0.000500	0.00200
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Copper	U	0.00110	0.00500
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Iron	0.767	0.00370	0.0200
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Lead	U	0.00460	0.0150
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Lithium	U	0.00620	0.0250
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Magnesium	16.7	0.00500	0.0200
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Manganese	0.0370	0.000300	0.00100
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Molybdenum	0.00956	0.00100	0.00400
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Nickel	0.00221	0.000600	0.00200
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Potassium	3.89	0.660	2.00
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Selenium	U	0.00700	0.0300
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Silver	U	0.00270	0.00500
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Sodium	27.0	0.0550	0.400
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Strontium	0.137	0.000200	0.00100
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Thallium	U	0.00800	0.0200
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Tin	U	0.00200	0.0100
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Titanium	U	0.00130	0.00500
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Vanadium	U	0.00180	0.00600
DuPont East Chicago	DRAFT: 2005RC09D01-Kennedy (DUPLICAT	6/9/2005	Metals full ICP (W)	Zinc	U	0.0110	0.0400
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Aluminum	0.110	0.0220	0.100
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Antimony	U	0.00460	0.0200
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Arsenic	U	0.00440	0.0150
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Barium	0.0376	0.000700	0.00200
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Beryllium	U	0.000200	0.00100
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Boron	0.131	0.0270	0.100
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Cadmium	U	0.000200	0.00100
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Calcium	59.7	0.0140	0.0600
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Chromium	0.00698	0.00120	0.00400
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Cobalt	U	0.000500	0.00200
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Copper	0.00512	0.00110	0.00500
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Iron	1.29	0.00370	0.0200
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Lead	U	0.00460	0.0150
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Lithium	U	0.00620	0.0250
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Magnesium	17.8	0.00500	0.0200
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Manganese	0.0748	0.000300	0.00100
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Molybdenum	0.00956	0.00100	0.00400

DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Nickel	0.00273	0.000600	0.00200
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Potassium	5.15	0.660	2.00
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Selenium	U	0.00700	0.0300
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Silver	U	0.00270	0.00500
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Sodium	38.1	0.0550	0.400
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Strontium	0.166	0.000200	0.00100
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Thallium	U	0.00800	0.0200
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Tin	U	0.00200	0.0100
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Titanium	U	0.00130	0.00500
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Vanadium	U	0.00180	0.00600
DuPont East Chicago	DRAFT: 2005RC09S02 (CLINE)	6/9/2005	Metals full ICP (W)	Zinc	U	0.0110	0.0400
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Aluminum	0.123	0.0220	0.100
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Antimony	U	0.00460	0.0200
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Arsenic	U	0.00440	0.0150
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Barium	0.0365	0.000700	0.00200
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Beryllium	U	0.000200	0.00100
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Boron	0.128	0.0270	0.100
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Cadmium	U	0.000200	0.00100
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Calcium	57.9	0.0140	0.0600
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Chromium	0.00801	0.00120	0.00400
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Cobalt	U	0.000500	0.00200
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Copper	0.00584	0.00110	0.00500
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Iron	1.42	0.00370	0.0200
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Lead	U	0.00460	0.0150
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Lithium	U	0.00620	0.0250
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Magnesium	17.3	0.00500	0.0200
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Manganese	0.0779	0.000300	0.00100
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Molybdenum	0.00967	0.00100	0.00400
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Nickel	0.00275	0.000600	0.00200
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Potassium	4.87	0.660	2.00
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Selenium	U	0.00700	0.0300
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Silver	U	0.00270	0.00500
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Sodium	37.0	0.0550	0.400
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Strontium	0.161	0.000200	0.00100
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Thallium	U	0.00800	0.0200
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Tin	U	0.00200	0.0100
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Titanium	U	0.00130	0.00500

DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Vanadium	U	0.00180	0.00600
DuPont East Chicago	DRAFT: 2005RC09D02 DUPLICATE (CLINE	6/9/2005	Metals full ICP (W)	Zinc	U	0.0110	0.0400

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: 6/23/2005

Subject: Review of Region 5 Data for DuPont East Chicago

From: John Morris, Group Leader
Region 5 Central Regional Laboratory

To: RCRA, WPTD, US EPA Region 5
77 West Jackson Boulevard
Chicago, IL 60604

The data being transmitted under this cover memo successfully passed CRL's internal data review procedures as documented in our current Quality Management Plan (QMP) and appropriate Standard Operating Procedures (SOPs) Please be aware that CRL does not perform data validation which is based on your data quality objectives. This functi must be performed independently of the laboratory generating the data

Attached are Results for: DuPont East Chicago

Analyses included in this report:

Metals full ICP (W)

Sylvia Griffin JUN 23 / 2005

Data Management Coordinator and Date Received

Date Transmitted: JUN 23 2005 / /

Please have the U.S. EPA Project Manager/Officer call the CRL Sample Coordinator at 3-7444 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
ML-10C

_____ / /

Received by and Date

Comments:

RCRA 0506008
4 - ICP Metals (W)

Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

RCRA, WPTD, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project:DuPont East Chicago Project Number:[none] Project Manager:Brian Freeman	**Reported:** Jun-23-05 12:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
2005RC09S01-Kennedy (ms/msd)	0506008-01	Water	Jun-09-05 10:35	Jun-09-05 13:25
2005RC09D01-Kennedy (DUPLICATE)	0506008-02	Water	Jun-09-05 10:25	Jun-09-05 13:25
2005RC09S02 (CLINE)	0506008-03	Water	Jun-09-05 10:50	Jun-09-05 13:25
2005RC09D02 DUPLICATE (CLINE)	0506008-04	Water	Jun-09-05 10:50	Jun-09-05 13:25

John V. Morris 23 June 05
John Morris, Group Leader

Report Name: 0506008 FINAL Jun 23 05 1211

Environmental Protection Agency Region 5
Central Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

RCRA, WPTD, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project:DuPont East Chicago Project Number:[none] Project Manager:Brian Freeman	**Reported:** Jun-23-05 12:11

2005RC09S01-Kennedy (ms/msd)
0506008-01(Water)
Sampled: Jun-09-05 10:35
Received: Jun-09-05 13:25

Metals by ICP

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	**0.127**	J, K		0.100	mg/L	1	B506034	Jun-14-05	Jun-15-05
Barium	**0.0240**			0.00200	"	"	"	"	"
Beryllium	**U**			0.00100	"	"	"	"	"
Boron	**U**			0.100	"	"	"	"	"
Cadmium	**U**			0.00100	"	"	"	"	Jun-15-05
Calcium	**46.1**			0.0600	"	"	"	"	Jun-15-05
Chromium	**0.00736**	K		0.00400	"	"	"	"	Jun-15-05
Cobalt	**U**			0.00200	"	"	"	"	"
Copper	**0.00588**	J, K		0.00500	"	"	"	"	"
Iron	**1.24**			0.0200	"	"	"	"	Jun-15-05
Lead	**U**			0.0150	"	"	"	"	Jun-15-05
Lithium	**U**			0.0250	"	"	"	"	Jun-15-05
Magnesium	**16.7**			0.0200	"	"	"	"	"
Manganese	**0.0446**			0.00100	"	"	"	"	"
Molybdenum	**0.00923**	K		0.00400	"	"	"	"	Jun-15-05
Nickel	**0.00232**	K		0.00200	"	"	"	"	"
Potassium	**3.95**			2.00	"	"	"	"	Jun-15-05
Silver	**U**			0.00500	"	"	"	"	Jun-15-05
Sodium	**26.9**			0.400	"	"	"	"	Jun-15-05
Strontium	**0.136**			0.00100	"	"	"	"	"
Tin	**U**			0.0100	"	"	"	"	Jun-15-05
Titanium	**U**			0.00500	"	"	"	"	Jun-15-05
Vanadium	**U**			0.00600	"	"	"	"	Jun-15-05
Zinc	**U**			0.0400	"	"	"	"	Jun-15-05

John Morris 23 June

John Morris, Group Leader

Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

RCRA, WPTD, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project:DuPont East Chicago Project Number:[none] Project Manager:Brian Freeman	**Reported:** Jun-23-05 12:11

2005RC09D01-Kennedy (DUPLICATE)
0506008-02(Water)
Sampled: Jun-09-05 10:25
Received: Jun-09-05 13:25

Metals by ICP

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	U	J		0.100	mg/L	1	B506034	Jun-14-05	Jun-15-05
Barium	**0.0232**			0.00200	"	"	"	"	"
Beryllium	U			0.00100	"	"	"	"	"
Boron	U			0.100	"	"	"	"	"
Cadmium	U			0.00100	"	"	"	"	Jun-15-05
Calcium	**46.8**			0.0600	"	"	"	"	Jun-15-05
Chromium	**0.00595**	K		0.00400	"	"	"	"	Jun-15-05
Cobalt	U			0.00200	"	"	"	"	"
Copper	U	J, K		0.00500	"	"	"	"	"
Iron	**0.767**			0.0200	"	"	"	"	Jun-15-05
Lead	U			0.0150	"	"	"	"	Jun-15-05
Lithium	U			0.0250	"	"	"	"	Jun-15-05
Magnesium	**16.7**			0.0200	"	"	"	"	"
Manganese	**0.0370**			0.00100	"	"	"	"	"
Molybdenum	**0.00956**	K		0.00400	"	"	"	"	Jun-15-05
Nickel	**0.00221**	K		0.00200	"	"	"	"	"
Potassium	**3.89**			2.00	"	"	"	"	Jun-15-05
Silver	U			0.00500	"	"	"	"	Jun-15-05
Sodium	**27.0**			0.400	"	"	"	"	Jun-15-05
Strontium	**0.137**			0.00100	"	"	"	"	"
Tin	U			0.0100	"	"	"	"	Jun-15-05
Titanium	U			0.00500	"	"	"	"	Jun-15-05
Vanadium	U			0.00600	"	"	"	"	Jun-15-05
Zinc	U			0.0400	"	"	"	"	Jun-15-05

John Morris, Group Leader

Environmental Protection Agency Region 5
Central Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

RCRA, WPTD, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project:DuPont East Chicago Project Number:[none] Project Manager:Brian Freeman	**Reported:** Jun-23-05 12:11

2005RC09S02 (CLINE)
0506008-03(Water)
Sampled: Jun-09-05 10:50
Received: Jun-09-05 13:25

Metals by ICP

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	**0.110**	J, K		0.100	mg/L	1	B506034	Jun-14-05	Jun-15-05
Barium	**0.0376**			0.00200	"	"	"	"	"
Beryllium	**U**			0.00100	"	"	"	"	"
Boron	**0.131**			0.100	"	"	"	"	"
Cadmium	**U**			0.00100	"	"	"	"	Jun-15-05
Calcium	**59.7**			0.0600	"	"	"	"	Jun-15-05
Chromium	**0.00698**	K		0.00400	"	"	"	"	Jun-15-05
Cobalt	**U**			0.00200	"	"	"	"	"
Copper	**0.00512**	J, K		0.00500	"	"	"	"	"
Iron	**1.29**			0.0200	"	"	"	"	Jun-15-05
Lead	**U**			0.0150	"	"	"	"	Jun-15-05
Lithium	**U**			0.0250	"	"	"	"	Jun-15-05
Magnesium	**17.8**			0.0200	"	"	"	"	"
Manganese	**0.0748**			0.00100	"	"	"	"	"
Molybdenum	**0.00956**	K		0.00400	"	"	"	"	Jun-15-05
Nickel	**0.00273**	K		0.00200	"	"	"	"	"
Potassium	**5.15**			2.00	"	"	"	"	Jun-15-05
Silver	**U**			0.00500	"	"	"	"	Jun-15-05
Sodium	**38.1**			0.400	"	"	"	"	Jun-15-05
Strontium	**0.166**			0.00100	"	"	"	"	"
Tin	**U**			0.0100	"	"	"	"	Jun-15-05
Titanium	**U**			0.00500	"	"	"	"	Jun-15-05
Vanadium	**U**			0.00600	"	"	"	"	Jun-15-05
Zinc	**U**			0.0400	"	"	"	"	Jun-15-05

John Morris, Group Leader

Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

RCRA, WPTD, US EPA Region 5 77 West Jackson Boulevard Chicago IL 60604	Project:DuPont East Chicago Project Number:[none] Project Manager:Brian Freeman	**Reported:** Jun-23-05 12:11

2005RC09D02 DUPLICATE (CLINE)
0506008-04(Water)
Sampled: Jun-09-05 10:50
Received: Jun-09-05 13:25

Metals by ICP

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	**0.123**	J, K		0.100	mg/L	1	B506034	Jun-14-05	Jun-15-05
Barium	**0.0365**			0.00200	"	"	"	"	"
Beryllium	**U**			0.00100	"	"	"	"	Jun-15-05
Boron	**0.128**			0.100	"	"	"	"	"
Cadmium	**U**			0.00100	"	"	"	"	"
Calcium	**57.9**			0.0600	"	"	"	"	Jun-15-05
Chromium	**0.00801**	K		0.00400	"	"	"	"	Jun-15-05
Cobalt	**U**			0.00200	"	"	"	"	"
Copper	**0.00584**	J, K		0.00500	"	"	"	"	"
Iron	**1.42**			0.0200	"	"	"	"	Jun-15-05
Lead	**U**			0.0150	"	"	"	"	Jun-15-05
Lithium	**U**			0.0250	"	"	"	"	Jun-15-05
Magnesium	**17.3**			0.0200	"	"	"	"	"
Manganese	**0.0779**			0.00100	"	"	"	"	Jun-15-05
Molybdenum	**0.00967**	K		0.00400	"	"	"	"	"
Nickel	**0.00275**	K		0.00200	"	"	"	"	"
Potassium	**4.87**			2.00	"	"	"	"	Jun-15-05
Silver	**U**			0.00500	"	"	"	"	Jun-15-05
Sodium	**37.0**			0.400	"	"	"	"	Jun-15-05
Strontium	**0.161**			0.00100	"	"	"	"	"
Tin	**U**			0.0100	"	"	"	"	Jun-15-05
Titanium	**U**			0.00500	"	"	"	"	"
Vanadium	**U**			0.00600	"	"	"	"	"
Zinc	**U**			0.0400	"	"	"	"	"

23 June 05

John Morris, Group Leader

Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

RCRA, WPTD, US EPA Region 5	Project:DuPont East Chicago	
77 West Jackson Boulevard	Project Number:[none]	**Reported:**
Chicago IL, 60604	Project Manager:Brian Freeman	Jun-23-05 12:11

Notes and Definitions

K	The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Not Detected
NR	Not Reported

John Morris, Group Leader

Date: 22 June 2005
Analyst: John V. Morris
Work Order Number: 0506008
Facility Name: DuPunt East Chicago
Analyte: ICP Metals in Water

Narrative for the Analysis of ICP Metals in Water in Work Order 0506008

On 9 June 2005, four (4) water samples were received at CRL for analysis of metals. The samples were collected on 9 June 2005 by the RCRA program. Most metals were to be analyzed by ICP. Antimony, arsenic, selenium and thallium will be analyzed by graphite furnace atomic absorption (GFAA).

The samples were prepared on 14 June 2005 by J.V. Morris using CRL Method Metals025. The digestion batch number was B506034. These samples were digested an run together with batch B506033, which contained work order 0505010. The six month holding time was met.

The analysis was performed on 15 June 2005 by J.V. Morris using CRL SOP Metals003. The most notable difference in the two field duplicates was for iron. All other metals showed good duplication. There were a few quality control flags as outlined below:

Blanks: There were several violations of the blank limits, the most serious of which was for copper, which was greater than the method detection limit (MDL) for all instrument blanks and the digestion blank. These values were in the range of 0.0014-0.0023 mg Cu/L. The copper results for sample 0506008-01, 0506008-03 and 0506008-04 were flagged "K" for high bias. Nickel was high on one instrument blank and the digestion blank, at 0.0012 and 0.0007 mg Ni/L, respectively, and so nickel is flagged "K" for high bias. Molybdenum was high at 0.0016 mg Mo/L in the final instrument blank, so molybdenum results are flagged "K". Other elements were slightly outside ± MDL, but were not serious..

Report Limit Check (RLC): Several elements exceeded the 100±20% limit for this audit, and all were positive deviations. Those results for aluminum, chromium and nickel that were above the reporting limit and within a factor of 10 of that limit were flagged "K" for high bias. Aluminum was recovered in the RLC at 148%, chromium at 159%, and nickel at 166%. Biases in the samples at the reporting limit may be comparable.

Duplicate: The sample/duplicate pair must either be within ±10% relative percent difference (RPD) or their absolute difference must be within ± MDL. Aluminum, copper and tin were outside these limits, but tin was below reporting limit for both sample and duplicate. Aluminum and copper are flagged "J" for imprecision. The absolute difference for aluminum was 0.033 mg Al/L, and for copper the absolute difference was 0.0009 mg Cu/L.

Spectral Interference Checks (SIC): Several of these solutions showed imperfect correction for spectral interference, but none of the interfering elements were at sufficient concentration for any of these to affect the data.

Environmental Protection Agency Region 5
Central Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Date: 6/14/2005

METALS SAMPLE PREPARATION RECORD

Prepared By: JVM

Digestion Method: Hot Block Digestion

Prepared Date: 14 June 05

Batch Number: B506034

Vessel Number	Sample Number	Source ID	Spike #1	Spike #1 Amt (uL)	Spike #2	Spike #2 Amt (uL)	pH <2 Y/N*	Sample Description (Color, Clarity, Texture, Artifacts, etc...) Before Prep	After Prep	Remarks
1	0506008-01						Y			
2	0506008-02						Y			
3	0506008-03						Y			
4	0506008-04						Y			
5	B506034-BLK1									
6	B506034-BS1		4082407	1000	4082408	1000				
7	B506034-BS2		5032807	100						
8	B506034-DUP1	0506008-01								
9	B506034-MS1	0506008-01	4082407	1000	4082408	1000				
10	B506034-MS2	0506008-01	5032807	100						

** Please note: A minimum of 16 hours from time of sampling must elapse before pH of sample can be taken.*
If pH>2, record and date in the Remarks column the actual pH and the amount of acid added to bring pH to < 2.

Batch Comments:

Comments:

Analyses included in this batch:
As GFAA SimAA (W) Metals full ICP (W) Sb GFAA SimAA (W) Se GFAA SimAA (W) Tl GFAA SimAA (W)

Sample ID	Date	Time	Aliquot Vol.	Diluted To	Y 360.073	Y 371.029
Calib Blank 1	06/15/2005	09:26:53 AM			3067554	510225
Cal 1	06/15/2005	09:31:11 AM			3023848	491747
Cal 2	06/15/2005	09:35:15 AM			3064067	507552
Cal 3	06/15/2005	09:38:45 AM			3085024	529974
Cal 4	06/15/2005	09:41:49 AM			3112990	511277
Cal Ag/K	06/15/2005	09:44:53 AM			2962722	494635
Cal 5	06/15/2005	09:48:24 AM			3085131	497665
Hi Cal	06/15/2005	09:51:30 AM			2494905	442177
wash	06/15/2005	09:54:34 AM			3149343	524127
LCB	06/15/2005	09:58:44 AM			3110445	513531
LCM1	06/15/2005	10:02:51 AM			3128076	506875
LCM2	06/15/2005	10:07:05 AM			3145160	463745
HiLCM	06/15/2005	10:11:14 AM			2871124	478125
wash	06/15/2005	10:15:31 AM			3109216	519942
RLC	06/15/2005	10:19:41 AM			3070358	526215
SIC1	06/15/2005	10:23:49 AM			3221682	540562
SIC2	06/15/2005	10:27:58 AM			3099139	523642
SIC3	06/15/2005	10:32:05 AM			3137119	538022
SIC4	06/15/2005	10:36:14 AM			3126505	531823
SIC5	06/15/2005	10:40:23 AM			3078149	500781
wash	06/15/2005	10:44:38 AM			3067406	524187
RLC fresh	06/15/2005	10:48:48 AM			3123931	522173
LCB	06/15/2005	10:52:56 AM			3111483	520838
LCM1	06/15/2005	10:57:04 AM			3110548	492765
LCM2	06/15/2005	11:01:18 AM			3105599	519587
HiLCM	06/15/2005	11:05:26 AM			2913077	473493
wash	06/15/2005	11:09:44 AM			3239358	523994
B506033-BLK1	06/15/2005	11:13:54 AM			3201648	522129
B506033-BS1	06/15/2005	11:18:02 AM			3101963	477522
0505010-02	06/15/2005	11:22:19 AM			3231905	515110
0505010-01	06/15/2005	11:26:28 AM			3126869	498701
B506033-DUP1	06/15/2005	11:30:42 AM			3073103	505389
B506033-MS1	06/15/2005	11:34:54 AM			3040439	491645
0505010-04	06/15/2005	11:39:11 AM			3074318	494713
wash	06/15/2005	11:43:27 AM			3135100	524406
LCB	06/15/2005	11:47:36 AM			3169209	518607
LCM1	06/15/2005	11:51:43 AM			3183717	498677
LCM2	06/15/2005	11:55:58 AM			3115212	520834
HiLCM	06/15/2005	12:00:06 PM			2908913	471263
wash	06/15/2005	12:04:26 PM			3129764	525403
~~0505010-02~~ undig	06/15/2005	12:08:37 PM			3147020	498863
wash	06/15/2005	12:12:51 PM			3163591	519420
B506034-BLK1	06/15/2005	12:17:01 PM			3101307	530901
B506034-BS1	06/15/2005	12:21:09 PM			3083978	484537
0506008-01	06/15/2005	12:25:24 PM			3104970	493172
B506034-DUP1	06/15/2005	12:29:37 PM			3107776	495608
B506034-MS1	06/15/2005	12:33:51 PM			3068501	484677
0506008-02	06/15/2005	12:38:10 PM			3076654	494056
0506008-03	06/15/2005	12:42:26 PM			3122137	489000
0506008-04	06/15/2005	12:46:42 PM			3062870	495449
0505010-02 undig	06/15/2005	12:50:54 PM			3152550	523400
wash	06/15/2005	12:55:00 PM			3104778	516894

wrong sample

JVM 22 June 05

LCB	06/15/2005	12:59:10 PM			3152393	508826
LCM1	06/15/2005	01:03:18 PM			3134571	509191
LCM2	06/15/2005	01:07:34 PM			3203084	528788
HiLCM	06/15/2005	01:11:42 PM			3008611	460572
wash	06/15/2005	01:17:03 PM			3150200	525438
PEI-027 undig	06/15/2005	01:21:13 PM			3127214	489371
PEI-034-1 dil	06/15/2005	01:25:22 PM	5	25	3156296	510933
LCB	06/15/2005	01:29:29 PM			3158822	512431
LCM1	06/15/2005	01:33:38 PM			3119481	493380
LCM2	06/15/2005	01:37:51 PM			3168279	515116
HiLCM	06/15/2005	01:41:59 PM			2939861	465588

Jun
22 January

Instrument Blank First

Sample Work Order: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

		Measured mg/L	MDL mg/L	
LCB	Ag 328.068	-0.0003	0.0016	
09:58:44 AM	Al 308.215	-0.0129	0.0190	
	Al 396.153	-0.0171	0.0220	
	As 188.979	-0.0013	0.0044	
	B 249.677	-0.0013	0.0271	
	Ba 455.403	0.0003	0.0007	
	Be 313.042	-0.0001	0.0002	
	Ca 315.887	-0.0002	0.0143	
	Cd 214.440	0.0001	0.0002	
	Co 228.616	0.0001	0.0004	
	Cr 267.716	0.0000	0.0012	
	Cu 324.752	0.0012	0.0008	out
	Fe 259.939	-0.0010	0.0037	
	Fe 273.955	0.0025	0.0059	
	K 766.490	-0.0102	0.6600	
	Li 670.784	0.0051	0.0051	
	Mg 279.077	0.0002	0.0086	
	Mg 280.271	0.0012	0.0053	
	Mn 257.610	0.0002	0.0003	
	Mo 202.031	0.0005	0.0010	
	Na 589.592	-0.0058	0.0550	
	Ni 231.604	0.0000	0.0006	
	Pb 220.353	-0.0009	0.0046	
	Sb 206.836	0.0004	0.0044	
	Se 196.026	0.0035	0.0070	
	Sn 189.927	0.0011	0.0019	
	Sr 421.552	-0.0001	0.0004	
	Ti 334.940	0.0000	0.0013	
	Tl 190.801	0.0005	0.0077	
	V 292.402	-0.0000	0.0017	
	Zn 213.857	-0.0003	0.0048	

JVM
22 June 05

Instrument Blank Second

Sample Work Order: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

		Measured mg/L	MDL mg/L	
LCB	Ag 328.068	-0.0001	0.0016	
10:52:56 AM	Al 308.215	-0.0119	0.0190	
	Al 396.153	-0.0012	0.0220	
	As 188.979	0.0018	0.0044	
	B 249.677	-0.0049	0.0271	
	Ba 455.403	0.0009	0.0007	out
	Be 313.042	-0.0001	0.0002	
	Ca 315.887	0.0029	0.0143	
	Cd 214.440	-0.0001	0.0002	
	Co 228.616	0.0002	0.0004	
	Cr 267.716	0.0002	0.0012	
	Cu 324.752	0.0016	0.0008	out
	Fe 259.939	0.0031	0.0037	
	Fe 273.955	0.0034	0.0059	
	K 766.490	-0.2731	0.6600	
	Li 670.784	0.0002	0.0051	
	Mg 279.077	0.0079	0.0086	
	Mg 280.271	0.0046	0.0053	
	Mn 257.610	0.0003	0.0003	
	Mo 202.031	0.0006	0.0010	
	Na 589.592	-0.0387	0.0550	
	Ni 231.604	0.0002	0.0006	
	Pb 220.353	-0.0013	0.0046	
	Sb 206.836	0.0003	0.0044	
	Se 196.026	0.0030	0.0070	
	Sn 189.927	0.0016	0.0019	
	Sr 421.552	-0.0001	0.0004	
	Ti 334.940	0.0005	0.0013	
	Tl 190.801	-0.0016	0.0077	
	V 292.402	0.0000	0.0017	
	Zn 213.857	0.0001	0.0048	

JWS 22 June 05

Instrument Blank Third

Sample Work Order: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

		Measured mg/L	MDL mg/L	
LCB	Ag 328.068	-0.0005	0.0016	
11:47:36 AM	Al 308.215	-0.0145	0.0190	
	Al 396.153	-0.0203	0.0220	
	As 188.979	-0.0013	0.0044	
	B 249.677	0.0031	0.0271	
	Ba 455.403	0.0007	0.0007	
	Be 313.042	-0.0002	0.0002	
	Ca 315.887	-0.0016	0.0143	
	Cd 214.440	0.0000	0.0002	
	Co 228.616	-0.0002	0.0004	
	Cr 267.716	-0.0001	0.0012	
	Cu 324.752	0.0015	0.0008	out
	Fe 259.939	-0.0007	0.0037	
	Fe 273.955	0.0003	0.0059	
	K 766.490	0.0149	0.6600	
	Li 670.784	0.0045	0.0051	
	Mg 279.077	0.0094	0.0086	out
	Mg 280.271	0.0009	0.0053	
	Mn 257.610	-0.0000	0.0003	
	Mo 202.031	0.0005	0.0010	
	Na 589.592	0.0019	0.0550	
	Ni 231.604	0.0005	0.0006	
	Pb 220.353	-0.0027	0.0046	
	Sb 206.836	-0.0007	0.0044	
	Se 196.026	-0.0007	0.0070	
	Sn 189.927	-0.0002	0.0019	
	Sr 421.552	-0.0001	0.0004	
	Ti 334.940	-0.0000	0.0013	
	Tl 190.801	-0.0012	0.0077	
	V 292.402	0.0001	0.0017	
	Zn 213.857	-0.0004	0.0048	

JSM
22 June 05

Instrument Blank Fourth

Sample Work Order: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

		Measured mg/L	MDL mg/L	
LCB	Ag 328.068	0.0001	0.0016	
12:59:10 PM	Al 308.215	-0.0138	0.0190	
	Al 396.153	-0.0152	0.0220	
	As 188.979	-0.0020	0.0044	
	B 249.677	-0.0051	0.0271	
	Ba 455.403	-0.0002	0.0007	
	Be 313.042	-0.0002	0.0002	out
	Ca 315.887	0.0012	0.0143	
	Cd 214.440	0.0001	0.0002	
	Co 228.616	0.0005	0.0004	out
	Cr 267.716	0.0003	0.0012	
	Cu 324.752	0.0014	0.0008	out
	Fe 259.939	-0.0008	0.0037	
	Fe 273.955	0.0005	0.0059	
	K 766.490	0.2734	0.6600	
	Li 670.784	0.0015	0.0051	
	Mg 279.077	0.0038	0.0086	
	Mg 280.271	0.0009	0.0053	
	Mn 257.610	0.0001	0.0003	
	Mo 202.031	0.0016	0.0010	out
	Na 589.592	-0.0103	0.0550	
	Ni 231.604	0.0012	0.0006	out
	Pb 220.353	-0.0014	0.0046	
	Sb 206.836	-0.0004	0.0044	
	Se 196.026	-0.0000	0.0070	
	Sn 189.927	0.0006	0.0019	
	Sr 421.552	-0.0001	0.0004	
	Ti 334.940	0.0001	0.0013	
	Tl 190.801	0.0016	0.0077	
	V 292.402	0.0001	0.0017	
	Zn 213.857	0.0002	0.0048	

JVM
2 Jun 05

Instrument QC First

Sample Work Order: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

		Measured mg/L	True mg/L	Recovery
LCM1	Al 396.153	1.0416	1.0000	104.16%
10:02:51 AM	As 188.979	1.9647	2.0000	98.24%
	B 249.677	0.9137	1.0000	91.37%
	Ba 455.403	0.9856	1.0000	98.56%
	Be 313.042	0.9835	1.0000	98.35%
	Cd 214.440	0.9858	1.0000	98.58%
	Co 228.616	0.9591	1.0000	95.91%
	Cr 267.716	0.9397	1.0000	93.97%
	Cu 324.752	0.9800	1.0000	98.00%
	Fe 259.939	1.0153	1.0000	101.53%
	Li 670.784	1.0787	1.0000	107.87%
	Mg 280.271	0.9938	1.0000	99.38%
	Mn 257.610	0.9754	1.0000	97.54%
	Mo 202.031	0.9895	1.0000	98.95%
	Ni 231.604	0.9880	1.0000	98.80%
	Pb 220.353	1.9541	2.0000	97.70%
	Sb 206.836	1.9210	2.0000	96.05%
	Se 196.026	0.9995	1.0000	99.95%
	Sn 189.927	4.8779	5.0000	97.56%
	Sr 421.552	0.9852	1.0000	98.52%
	Ti 334.940	1.0127	1.0000	101.27%
	Tl 190.801	5.1799	5.0000	103.60%
	V 292.402	0.9621	1.0000	96.21%
	Zn 213.857	0.9394	1.0000	93.94%
LCM2	Ag 328.068	0.0525	0.0500	105.06%
10:07:05 AM				
HiLCM	Al 308.215	99.288	100.000	99.29%
10:11:14 AM	Ca 315.887	101.994	100.000	101.99%
	Fe 273.955	100.897	100.000	100.90%
	K 766.490	101.756	100.000	101.76%
	Mg 279.077	58.568	60.000	97.61%
	Na 589.592	93.953	100.000	93.95%

JVM
22 June 05

Instrument QC Second

Sample Work Order: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

		Measured mg/L	True mg/L	Recovery
LCM1	Al 396.153	1.0494	1.0000	104.94%
10:57:04 AM	As 188.979	1.9622	2.0000	98.11%
	B 249.677	0.9469	1.0000	94.69%
	Ba 455.403	0.9863	1.0000	98.63%
	Be 313.042	0.9745	1.0000	97.45%
	Cd 214.440	0.9755	1.0000	97.55%
	Co 228.616	0.9470	1.0000	94.70%
	Cr 267.716	0.9301	1.0000	93.01%
	Cu 324.752	0.9714	1.0000	97.14%
	Fe 259.939	1.0329	1.0000	103.29%
	Li 670.784	1.0955	1.0000	109.55%
	Mg 280.271	0.9948	1.0000	99.48%
	Mn 257.610	0.9927	1.0000	99.27%
	Mo 202.031	0.9829	1.0000	98.29%
	Ni 231.604	0.9768	1.0000	97.68%
	Pb 220.353	1.9253	2.0000	96.27%
	Sb 206.836	1.9219	2.0000	96.09%
	Se 196.026	0.9939	1.0000	99.39%
	Sn 189.927	4.8296	5.0000	96.59%
	Sr 421.552	0.9825	1.0000	98.25%
	Ti 334.940	1.0260	1.0000	102.60%
	Tl 190.801	5.2047	5.0000	104.09%
	V 292.402	0.9521	1.0000	95.21%
	Zn 213.857	0.9814	1.0000	98.14%
LCM2	Ag 328.068	0.0509	0.0500	101.73%
11:01:18 AM				
HiLCM	Al 308.215	100.103	100.000	100.10%
11:05:26 AM	Ca 315.887	102.501	100.000	102.50%
	Fe 273.955	101.191	100.000	101.19%
	K 766.490	101.020	100.000	101.02%
	Mg 279.077	58.997	60.000	98.33%
	Na 589.592	94.454	100.000	94.45%

KM
12 June 05

Instrument QC Third

Sample Work Order: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

		Measured mg/L	True mg/L	Recovery
LCM1	Al 396.153	1.0472	1.0000	104.72%
11:51:43 AM	As 188.979	1.9363	2.0000	96.82%
	B 249.677	0.9332	1.0000	93.32%
	Ba 455.403	0.9903	1.0000	99.03%
	Be 313.042	0.9806	1.0000	98.06%
	Cd 214.440	0.9626	1.0000	96.26%
	Co 228.616	0.9313	1.0000	93.13%
	Cr 267.716	0.9172	1.0000	91.72%
	Cu 324.752	0.9538	1.0000	95.38%
	Fe 259.939	1.0288	1.0000	102.88%
	Li 670.784	1.0823	1.0000	108.23%
	Mg 280.271	1.0030	1.0000	100.30%
	Mn 257.610	0.9899	1.0000	98.99%
	Mo 202.031	0.9693	1.0000	96.93%
	Ni 231.604	0.9653	1.0000	96.53%
	Pb 220.353	1.8989	2.0000	94.94%
	Sb 206.836	1.8927	2.0000	94.64%
	Se 196.026	0.9859	1.0000	98.59%
	Sn 189.927	4.7681	5.0000	95.36%
	Sr 421.552	0.9867	1.0000	98.67%
	Ti 334.940	1.0180	1.0000	101.80%
	Tl 190.801	5.0961	5.0000	101.92%
	V 292.402	0.9410	1.0000	94.10%
	Zn 213.857	0.9685	1.0000	96.85%
LCM2	Ag 328.068	0.0505	0.0500	101.03%
11:55:58 AM				
HiLCM	Al 308.215	100.748	100.000	100.75%
12:00:06 PM	Ca 315.887	102.626	100.000	102.63%
	Fe 273.955	101.681	100.000	101.68%
	K 766.490	101.796	100.000	101.80%
	Mg 279.077	59.425	60.000	99.04%
	Na 589.592	95.093	100.000	95.09%

Instrument QC Fourth

Sample Work Order: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

		Measured mg/L	True mg/L	Recovery
LCM1	Al 396.153	1.0342	1.0000	103.42%
01:03:18 PM	As 188.979	1.9506	2.0000	97.53%
	B 249.677	0.9171	1.0000	91.71%
	Ba 455.403	0.9925	1.0000	99.25%
	Be 313.042	0.9740	1.0000	97.40%
	Cd 214.440	0.9955	1.0000	99.55%
	Co 228.616	0.9578	1.0000	95.78%
	Cr 267.716	0.9442	1.0000	94.42%
	Cu 324.752	0.9750	1.0000	97.50%
	Fe 259.939	1.0151	1.0000	101.51%
	Li 670.784	1.0548	1.0000	105.48%
	Mg 280.271	1.0126	1.0000	101.26%
	Mn 257.610	0.9787	1.0000	97.87%
	Mo 202.031	0.9947	1.0000	99.47%
	Ni 231.604	1.0020	1.0000	100.20%
	Pb 220.353	1.9595	2.0000	97.98%
	Sb 206.836	1.9212	2.0000	96.06%
	Se 196.026	1.0030	1.0000	100.30%
	Sn 189.927	4.9504	5.0000	99.01%
	Sr 421.552	0.9869	1.0000	98.69%
	Ti 334.940	0.9999	1.0000	99.99%
	Tl 190.801	5.1680	5.0000	103.36%
	V 292.402	0.9710	1.0000	97.10%
	Zn 213.857	0.9538	1.0000	95.38%
LCM2	Ag 328.068	0.0496	0.0500	99.19%
01:07:34 PM				
HiLCM	Al 308.215	102.629	100.000	102.63%
01:11:42 PM	Ca 315.887	104.248	100.000	104.25%
	Fe 273.955	101.974	100.000	101.97%
	K 766.490	101.844	100.000	101.84%
	Mg 279.077	56.832	60.000	94.72%
	Na 589.592	95.924	100.000	95.92%

JLM
6/2 June

Report Level Check

Sample Work Order: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

		Measured mg/L	True mg/L	Recovery
RLC	Ag 328.068	0.00499	0.00500	99.81%
10:19:41 AM	Al 308.215	0.14837	0.10000	148.37%
	Al 396.153	0.15915	0.10000	159.15%
	As 188.979	0.01272	0.01500	84.77%
	B 249.677	0.08529	0.10000	85.29%
	Ba 455.403	0.00445	0.00200	222.54%
	Be 313.042	0.00088	0.00100	88.05%
	Ca 315.887	0.10970	0.06000	182.84%
	Cd 214.440	0.00106	0.00100	106.17%
	Co 228.616	0.00215	0.00200	107.68%
	Cr 267.716	0.00573	0.00400	143.21%
	Cu 324.752	0.00655	0.00500	130.93%
	Fe 259.939	0.03416	0.02000	170.78%
	Fe 273.955	0.04054	0.02000	202.71%
	K 766.490	1.84973	2.00000	92.49%
	Li 670.784	0.02804	0.02500	112.16%
	Mg 279.077	0.03397	0.02000	169.86%
	Mg 280.271	0.03133	0.02000	156.67%
	Mn 257.610	0.00108	0.00100	108.35%
	Mo 202.031	0.00435	0.00400	108.64%
	Na 589.592	0.42117	0.40000	105.29%
	Ni 231.604	0.00279	0.00200	139.39%
	Pb 220.353	0.01635	0.01500	109.00%
	Sb 206.836	0.02102	0.02000	105.11%
	Se 196.026	0.03224	0.03000	107.47%
	Sn 189.927	0.01189	0.01000	118.93%
	Sr 421.552	0.00133	0.00100	133.19%
	Ti 334.940	0.00632	0.00500	126.49%
	Tl 190.801	0.01986	0.02000	99.30%
	V 292.402	0.00640	0.00600	106.67%
	Zn 213.857	0.03990	0.04000	99.74%

lm
72 hours

Report Level Check

Sample Work Order: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

		Measured mg/L	True mg/L	Recovery
RLC fresh	Ag 328.068	0.00515	0.00500	102.92%
10:48:48 AM	Al 308.215	0.14560	0.10000	145.60%
	Al 396.153	0.14124	0.10000	141.24%
	As 188.979	0.01459	0.01500	97.25%
	B 249.677	0.08475	0.10000	84.75%
	Ba 455.403	0.00237	0.00200	118.26%
	Be 313.042	0.00079	0.00100	78.95%
	Ca 315.887	0.10070	0.06000	167.84%
	Cd 214.440	0.00107	0.00100	106.65%
	Co 228.616	0.00176	0.00200	87.86%
	Cr 267.716	0.00637	0.00400	159.17%
	Cu 324.752	0.00570	0.00500	114.01%
	Fe 259.939	0.04271	0.02000	213.55%
	Fe 273.955	0.04716	0.02000	235.80%
	K 766.490	1.88877	2.00000	94.44%
	Li 670.784	0.02820	0.02500	112.81%
	Mg 279.077	0.04612	0.02000	230.60%
	Mg 280.271	0.03712	0.02000	185.58%
	Mn 257.610	0.00145	0.00100	144.90%
	Mo 202.031	0.00482	0.00400	120.61%
	Na 589.592	0.39796	0.40000	99.49%
	Ni 231.604	0.00333	0.00200	166.42%
	Pb 220.353	0.01673	0.01500	111.55%
	Sb 206.836	0.02065	0.02000	103.25%
	Se 196.026	0.02992	0.03000	99.73%
	Sn 189.927	0.01120	0.01000	111.96%
	Sr 421.552	0.00111	0.00100	111.10%
	Ti 334.940	0.00613	0.00500	122.59%
	Tl 190.801	0.01936	0.02000	96.79%
	V 292.402	0.00632	0.00600	105.34%
	Zn 213.857	0.04460	0.04000	111.49%

Digestion Blank

Sample Work Order: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

		mg/L	MDL	
LRB	Ag 328.068	0.0003	0.0016	
B506033-BLK1	Al 308.215	-0.0185	0.0190	
	Al 396.153	-0.0270	0.0220	out
	As 188.979	0.0012	0.0044	
	B 249.677	-0.0018	0.0270	
	Ba 455.403	-0.0003	0.0007	
	Be 313.042	-0.0001	0.0002	
	Ca 315.887	0.0182	0.0140	out
	Cd 214.440	-0.0000	0.0002	
	Co 228.616	-0.0000	0.0004	
	Cr 267.716	-0.0003	0.0012	
	Cu 324.752	0.0011	0.0009	out
	Fe 259.939	0.0019	0.0037	
	Fe 273.955	0.0086	0.0060	out
	K 766.490	-0.2539	0.6600	
	Li 670.784	0.0041	0.0051	
	Mg 279.077	0.0080	0.0086	
	Mg 280.271	0.0024	0.0050	
	Mn 257.610	0.0001	0.0003	
	Mo 202.031	0.0006	0.0010	
	Na 589.592	-0.0115	0.0550	
	Ni 231.604	0.0006	0.0006	out
	Pb 220.353	-0.0010	0.0046	
	Sb 206.836	0.0003	0.0044	
	Se 196.026	0.0005	0.0070	
	Sn 189.927	0.0002	0.0020	
	Sr 421.552	-0.0002	0.0004	
	Ti 334.940	0.0005	0.0013	
	Tl 190.801	0.0001	0.0077	
	V 292.402	0.0002	0.0017	
	Zn 213.857	0.0013	0.0048	

NM
22 June 05

Spiked Blank

Sample Work Order: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

		Meas.	Spike	%Rec
LFB	Ag 328.068	0.0248	0.025	97.73%
B506033-BS1	Al 308.215	1.0449	1.000	106.34%
	Al 396.153	1.0788	1.000	110.58%
	As 188.979	0.1819	0.200	90.36%
	B 249.677	0.9324	1.000	93.42%
	Ba 455.403	0.1977	0.200	99.01%
	Be 313.042	0.0100	0.010	101.63%
	Ca 315.887	55.7970	50.000	111.56%
	Cd 214.440	0.0485	0.050	97.13%
	Co 228.616	0.0911	0.100	91.16%
	Cr 267.716	0.0971	0.100	97.44%
	Cu 324.752	0.0946	0.100	93.53%
	Fe 259.939	1.0519	1.000	104.99%
	Fe 273.955	1.1049	1.000	109.62%
	K 766.490	27.5872	25.000	111.36%
	Li 670.784	0.1082	0.100	104.07%
	Mg 279.077	20.2115	20.000	101.02%
	Mg 280.271	19.7291	20.000	98.63%
	Mn 257.610	0.1928	0.200	96.33%
	Mo 202.031	0.1012	0.100	100.55%
	Na 589.592	48.6162	50.000	97.26%
	Ni 231.604	0.1920	0.200	95.66%
	Pb 220.353	0.4855	0.500	97.30%
	Sb 206.836	0.4771	0.500	95.36%
	Se 196.026	0.5069	0.500	101.27%
	Sn 189.927	0.4596	0.500	91.89%
	Sr 421.552	0.9926	1.000	99.28%
	Ti 334.940	0.1020	0.100	101.54%
	Tl 190.801	0.4887	0.500	97.73%
	V 292.402	0.0933	0.100	93.05%
	Zn 213.857	0.9880	1.000	98.67%

Digestion Blank

Sample Work Order: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

		mg/L	MDL	
LRB	Ag 328.068	0.0005	0.0016	
B506034-BLK1	Al 308.215	-0.0223	0.0190	out
	Al 396.153	-0.0098	0.0220	
	As 188.979	-0.0006	0.0044	
	B 249.677	0.0032	0.0270	
	Ba 455.403	0.0003	0.0007	
	Be 313.042	-0.0002	0.0002	
	Ca 315.887	0.0207	0.0140	out
	Cd 214.440	0.0000	0.0002	
	Co 228.616	0.0002	0.0004	
	Cr 267.716	0.0001	0.0012	
	Cu 324.752	0.0023	0.0009	out
	Fe 259.939	0.0013	0.0037	
	Fe 273.955	0.0008	0.0060	
	K 766.490	-0.5529	0.6600	
	Li 670.784	-0.0001	0.0051	
	Mg 279.077	0.0185	0.0086	out
	Mg 280.271	0.0026	0.0050	
	Mn 257.610	0.0001	0.0003	
	Mo 202.031	0.0003	0.0010	
	Na 589.592	-0.0146	0.0550	
	Ni 231.604	0.0007	0.0006	out
	Pb 220.353	-0.0010	0.0046	
	Sb 206.836	-0.0008	0.0044	
	Se 196.026	0.0026	0.0070	
	Sn 189.927	0.0005	0.0020	
	Sr 421.552	-0.0002	0.0004	
	Ti 334.940	0.0002	0.0013	
	Tl 190.801	-0.0011	0.0077	
	V 292.402	0.0001	0.0017	
	Zn 213.857	0.0019	0.0048	

JVM
6/15/05

Spiked Blank

Sample Work Order: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

		Meas.	Spike	%Rec
LFB	Ag 328.068	0.0242	0.025	94.91%
B506034-BS1	Al 308.215	1.0476	1.000	106.99%
	Al 396.153	1.0332	1.000	104.30%
	As 188.979	0.1802	0.200	90.39%
	B 249.677	0.9395	1.000	93.62%
	Ba 455.403	0.1958	0.200	97.76%
	Be 313.042	0.0098	0.010	99.51%
	Ca 315.887	55.8546	50.000	111.67%
	Cd 214.440	0.0490	0.050	97.85%
	Co 228.616	0.0918	0.100	91.59%
	Cr 267.716	0.0981	0.100	98.00%
	Cu 324.752	0.0952	0.100	92.90%
	Fe 259.939	1.0270	1.000	102.56%
	Fe 273.955	1.1054	1.000	110.46%
	K 766.490	27.0303	25.000	110.33%
	Li 670.784	0.1076	0.100	107.75%
	Mg 279.077	20.0030	20.000	99.92%
	Mg 280.271	19.9529	20.000	99.75%
	Mn 257.610	0.1921	0.200	96.00%
	Mo 202.031	0.1017	0.100	101.37%
	Na 589.592	48.9758	50.000	97.98%
	Ni 231.604	0.1936	0.200	96.43%
	Pb 220.353	0.4864	0.500	97.49%
	Sb 206.836	0.4801	0.500	96.19%
	Se 196.026	0.5078	0.500	101.04%
	Sn 189.927	0.4634	0.500	92.59%
	Sr 421.552	0.9961	1.000	99.63%
	Ti 334.940	0.1005	0.100	100.33%
	Tl 190.801	0.4865	0.500	97.52%
	V 292.402	0.0936	0.100	93.49%
	Zn 213.857	0.9946	1.000	99.26%

JVM
12 June

Sample Work Order: 0505010
Analysis Date: 15 June 05 DUPLICATE
Results Data Set: 061505

	Element	Units	Sample	Duplicate	Difference	Detect Limit	RPD
B506033-DUP1	Ag 328.068	mg/L	-0.0001	0.0004	-0.0005	0.0016	371.90%
0505010-01	Al 308.215	mg/L	0.0251	0.0212	0.0038	0.0190	16.62%
	Al 396.153	mg/L	0.0092	0.0233	-0.0141	0.0220	87.08%
	As 188.979	mg/L	-0.0107	-0.0106	-0.0001	0.0044	-0.86%
	B 249.677	mg/L	0.0776	0.0737	0.0039	0.0271	5.18%
	Ba 455.403	mg/L	0.0154	0.0150	0.0004	0.0007	2.49%
	Be 313.042	mg/L	-0.0002	-0.0002	0.0000	0.0002	-7.61%
	Ca 315.887	mg/L	35.6736	34.9778	0.6958	0.0143	1.97%
	Cd 214.440	mg/L	0.0006	0.0005	0.0001	0.0002	20.12%
	Co 228.616	mg/L	0.0004	0.0003	0.0001	0.0004	36.19%
	Cr 267.716	mg/L	0.0054	0.0057	-0.0003	0.0012	5.96%
	Cu 324.752	mg/L	0.0061	0.0060	0.0001	0.0008	1.66%
	Fe 259.939	mg/L	0.1236	0.1226	0.0010	0.0037	0.79%
	Fe 273.955	mg/L	0.1270	0.1313	-0.0043	0.0059	3.32%
	K 766.490	mg/L	7.6490	7.2785	0.3705	0.6600	4.96%
	Li 670.784	mg/L	0.0165	0.0143	0.0023	0.0051	14.76%
	Mg 279.077	mg/L	24.7247	24.2629	0.4618	0.0086	1.89%
	Mg 280.271	mg/L	24.5033	24.3815	0.1218	0.0053	0.50%
	Mn 257.610	mg/L	0.0437	0.0442	-0.0004	0.0003	0.94%
	Mo 202.031	mg/L	0.0059	0.0061	-0.0002	0.0010	3.59%
	Na 589.592	mg/L	8.1048	7.9751	0.1297	0.0550	1.61%
	Ni 231.604	mg/L	0.0019	0.0023	-0.0004	0.0006	20.43%
	Pb 220.353	mg/L	0.0016	0.0018	-0.0003	0.0046	14.93%
	Sb 206.836	mg/L	0.0003	0.0020	-0.0017	0.0044	148.90%
	Se 196.026	mg/L	-0.0006	-0.0045	0.0039	0.0070	-155.95%
	Sn 189.927	mg/L	-0.0136	-0.0130	-0.0006	0.0019	-4.60%
	Sr 421.552	mg/L	0.0944	0.0930	0.0013	0.0004	1.44%
	Ti 334.940	mg/L	-0.0017	-0.0019	0.0001	0.0013	-7.70%
	Tl 190.801	mg/L	-0.0026	-0.0013	-0.0013	0.0077	-66.63%
	V 292.402	mg/L	0.0012	0.0011	0.0001	0.0017	9.22%
	Zn 213.857	mg/L	0.0296	0.0296	0.0000	0.0048	0.05%

Sample Batch Number: 0505010
Analysis Date: 15 June 05 SPIKE
Results Data Set: 061505

	Element	Units	Sample	Spike	Spike Added	% Recovery
B506033-MS1	Ag 328.068	mg/L	-0.0001	0.0243	0.025	97.56%
0505010-01	Al 308.215	mg/L	0.0251	1.0558	1.000	103.07%
	Al 396.153	mg/L	0.0092	1.0506	1.000	104.14%
	As 188.979	mg/L	-0.0107	0.1813	0.200	95.98%
	B 249.677	mg/L	0.0776	1.0114	1.000	93.37%
	Ba 455.403	mg/L	0.0154	0.2063	0.200	95.45%
	Be 313.042	mg/L	-0.0002	0.0095	0.010	97.25%
	Ca 315.887	mg/L	35.6736	84.8917	50.000	98.44%
	Cd 214.440	mg/L	0.0006	0.0493	0.050	97.30%
	Co 228.616	mg/L	0.0004	0.0934	0.100	92.98%
	Cr 267.716	mg/L	0.0054	0.1050	0.100	99.61%
	Cu 324.752	mg/L	0.0061	0.1052	0.100	99.08%
	Fe 259.939	mg/L	0.1236	1.1054	1.000	98.18%
	Fe 273.955	mg/L	0.1270	1.2178	1.000	109.08%
	K 766.490	mg/L	7.6490	33.1453	25.000	101.99%
	Li 670.784	mg/L	0.0165	0.1153	0.100	98.79%
	Mg 279.077	mg/L	24.7247	43.7577	20.000	95.17%
	Mg 280.271	mg/L	24.5033	42.5702	20.000	90.33%
	Mn 257.610	mg/L	0.0437	0.2271	0.200	91.65%
	Mo 202.031	mg/L	0.0059	0.1083	0.100	102.42%
	Na 589.592	mg/L	8.1048	56.0136	50.000	95.82%
	Ni 231.604	mg/L	0.0019	0.1948	0.200	96.46%
	Pb 220.353	mg/L	0.0016	0.4905	0.500	97.79%
	Sb 206.836	mg/L	0.0003	0.4917	0.500	98.28%
	Se 196.026	mg/L	-0.0006	0.4984	0.500	99.78%
	Sn 189.927	mg/L	-0.0136	0.4642	0.500	95.55%
	Sr 421.552	mg/L	0.0944	1.0825	1.000	98.82%
	Ti 334.940	mg/L	-0.0017	0.0939	0.100	95.58%
	Tl 190.801	mg/L	-0.0026	0.4871	0.500	97.94%
	V 292.402	mg/L	0.0012	0.0975	0.100	96.38%
	Zn 213.857	mg/L	0.0296	0.9906	1.000	96.09%

1m
2 Jun

Sample Work Order: 0506008
Analysis Date: 15 June 05 DUPLICATE
Results Data Set: 061505

	Element	Units	Sample	Duplicate	Difference	Detect Limit	RPD	
B506034-DUP1	Ag 328.068	mg/L	-0.0009	-0.0001	-0.0007	0.0016	-154.95%	
0506008-01	Al 308.215	mg/L	0.1540	0.1477	0.0063	0.0190	4.20%	
	Al 396.153	mg/L	0.1270	0.1596	-0.0326	0.0220	22.76%	out
	As 188.979	mg/L	-0.0088	-0.0112	0.0024	0.0044	-24.49%	
	B 249.677	mg/L	0.0915	0.0827	0.0088	0.0271	10.10%	
	Ba 455.403	mg/L	0.0240	0.0243	-0.0003	0.0007	1.20%	
	Be 313.042	mg/L	-0.0002	-0.0003	0.0001	0.0002	-47.66%	
	Ca 315.887	mg/L	46.0506	47.1603	-1.1097	0.0143	2.38%	
	Cd 214.440	mg/L	0.0006	0.0006	-0.0000	0.0002	1.21%	
	Co 228.616	mg/L	0.0004	0.0003	0.0001	0.0004	19.02%	
	Cr 267.716	mg/L	0.0074	0.0070	0.0004	0.0012	5.06%	
	Cu 324.752	mg/L	0.0059	0.0049	0.0009	0.0008	17.58%	out
	Fe 259.939	mg/L	1.2449	1.3357	-0.0908	0.0037	7.03%	
	Fe 273.955	mg/L	1.3584	1.4155	-0.0571	0.0059	4.11%	
	K 766.490	mg/L	3.9539	3.9261	0.0278	0.6600	0.71%	
	Li 670.784	mg/L	0.0084	0.0102	-0.0018	0.0051	19.08%	
	Mg 279.077	mg/L	16.6880	17.0522	-0.3642	0.0086	2.16%	
	Mg 280.271	mg/L	16.8252	16.8369	-0.0117	0.0053	0.07%	
	Mn 257.610	mg/L	0.0446	0.0447	-0.0000	0.0003	0.09%	
	Mo 202.031	mg/L	0.0092	0.0094	-0.0002	0.0010	1.62%	
	Na 589.592	mg/L	26.8678	27.4296	-0.5618	0.0550	2.07%	
	Ni 231.604	mg/L	0.0023	0.0022	0.0001	0.0006	3.37%	
	Pb 220.353	mg/L	0.0097	0.0088	0.0008	0.0046	9.20%	
	Sb 206.836	mg/L	0.0015	-0.0013	0.0028	0.0044	2150.96%	
	Se 196.026	mg/L	0.0006	0.0015	-0.0010	0.0070	92.76%	
	Sn 189.927	mg/L	-0.0133	-0.0113	-0.0020	0.0019	-16.44%	out
	Sr 421.552	mg/L	0.1364	0.1399	-0.0035	0.0004	2.54%	
	Ti 334.940	mg/L	0.0003	0.0003	0.0000	0.0013	9.36%	
	Tl 190.801	mg/L	-0.0017	-0.0004	-0.0012	0.0077	-119.14%	
	V 292.402	mg/L	0.0011	0.0010	0.0001	0.0017	7.04%	
	Zn 213.857	mg/L	0.0361	0.0349	0.0012	0.0048	3.27%	

jm
12 June

Sample Batch Number: 0506008
Analysis Date: 15 June 05 SPIKE
Results Data Set: 061505

	Element	Units	Sample	Spike	Spike Added	% Recovery
B506034-MS1	Ag 328.068	mg/L	-0.0009	0.0235	0.025	97.54%
0506008-01	Al 308.215	mg/L	0.1540	1.1644	1.000	101.04%
	Al 396.153	mg/L	0.1270	1.1490	1.000	102.21%
	As 188.979	mg/L	-0.0088	0.1771	0.200	92.93%
	B 249.677	mg/L	0.0915	1.0010	1.000	90.95%
	Ba 455.403	mg/L	0.0240	0.2151	0.200	95.58%
	Be 313.042	mg/L	-0.0002	0.0094	0.010	96.07%
	Ca 315.887	mg/L	46.0506	93.4826	50.000	94.86%
	Cd 214.440	mg/L	0.0006	0.0475	0.050	93.96%
	Co 228.616	mg/L	0.0004	0.0898	0.100	89.45%
	Cr 267.716	mg/L	0.0074	0.1027	0.100	95.37%
	Cu 324.752	mg/L	0.0059	0.0995	0.100	93.67%
	Fe 259.939	mg/L	1.2449	2.2019	1.000	95.70%
	Fe 273.955	mg/L	1.3584	2.3979	1.000	103.94%
	K 766.490	mg/L	3.9539	29.0730	25.000	100.48%
	Li 670.784	mg/L	0.0084	0.1107	0.100	102.30%
	Mg 279.077	mg/L	16.6880	35.9958	20.000	96.54%
	Mg 280.271	mg/L	16.8252	34.4126	20.000	87.94%
	Mn 257.610	mg/L	0.0446	0.2304	0.200	92.89%
	Mo 202.031	mg/L	0.0092	0.1074	0.100	98.19%
	Na 589.592	mg/L	26.8678	73.0522	50.000	92.37%
	Ni 231.604	mg/L	0.0023	0.1890	0.200	93.34%
	Pb 220.353	mg/L	0.0097	0.4801	0.500	94.10%
	Sb 206.836	mg/L	0.0015	0.4780	0.500	95.28%
	Se 196.026	mg/L	0.0006	0.4833	0.500	96.54%
	Sn 189.927	mg/L	-0.0133	0.4564	0.500	93.94%
	Sr 421.552	mg/L	0.1364	1.1042	1.000	96.79%
	Ti 334.940	mg/L	0.0003	0.0966	0.100	96.28%
	Tl 190.801	mg/L	-0.0017	0.4736	0.500	95.06%
	V 292.402	mg/L	0.0011	0.0945	0.100	93.41%
	Zn 213.857	mg/L	0.0361	0.9890	1.000	95.28%

JM
22 June

SIC Solutions

Sample Batch Number: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

	Element	Meas mg/L	RL mg/L	
SIC1 (CoV)	Ag 328.068	-0.00089	0.00500	
	Al 308.215	-0.03979	0.10000	
	Al 396.153	-0.01169	0.10000	
	As 188.979	-0.00676	0.01500	
	B 249.677	-0.00311	0.10000	
	Ba 455.403	-0.00026	0.00200	
	Be 313.042	-0.00385	0.00100	out
	Ca 315.887	0.03224	0.06000	
	Cd 214.440	0.00016	0.00100	
	Co 228.616	9.86200	0.00200	
	Cr 267.716	-0.00138	0.00400	
	Cu 324.752	-0.00171	0.00500	
	Fe 259.939	-0.00339	0.02000	
	Fe 273.955	0.00535	0.02000	
	K 766.490	-0.90755	2.00000	
	Li 670.784	0.00376	0.02500	
	Mg 279.077	0.01032	0.02000	
	Mg 280.271	0.00072	0.02000	
	Mn 257.610	-0.00001	0.00100	
	Mo 202.031	0.00040	0.00400	
	Na 589.592	-0.00457	0.40000	
	Ni 231.604	0.00123	0.00200	
	Pb 220.353	-0.00492	0.01500	
	Sb 206.836	0.00314	0.02000	
	Se 196.026	-0.00094	0.03000	
	Sn 189.927	0.00142	0.01000	
	Sr 421.552	-0.00032	0.00100	
	Ti 334.940	0.00004	0.00500	
	Tl 190.801	-0.02546	0.02000	out
	V 292.402	10.06503	0.00600	
	Zn 213.857	0.00400	0.04000	

JM 22 June 05

SIC Solutions

Sample Batch Number: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

	Element	Meas mg/L	RL mg/L	
SIC2 (Ce)	Ag 328.068	-0.00487	0.00500	
	Al 308.215	0.05322	0.10000	
	Al 396.153	0.04051	0.10000	
	As 188.979	0.01581	0.01500	out
	B 249.677	0.01087	0.10000	
	Ba 455.403	0.00422	0.00200	out
	Be 313.042	0.00001	0.00100	
	Ca 315.887	0.04904	0.06000	
	Cd 214.440	0.00544	0.00100	out
	Co 228.616	0.00320	0.00200	out
	Cr 267.716	0.00177	0.00400	
	Cu 324.752	0.00390	0.00500	
	Fe 259.939	0.01671	0.02000	
	Fe 273.955	0.01803	0.02000	
	K 766.490	-0.36780	2.00000	
	Li 670.784	0.00481	0.02500	
	Mg 279.077	0.02078	0.02000	out
	Mg 280.271	0.01207	0.02000	
	Mn 257.610	0.00063	0.00100	
	Mo 202.031	0.00264	0.00400	
	Na 589.592	0.04553	0.40000	
	Ni 231.604	0.00157	0.00200	
	Pb 220.353	0.00424	0.01500	
	Sb 206.836	-0.00362	0.02000	
	Se 196.026	-0.00835	0.03000	
	Sn 189.927	-0.00043	0.01000	
	Sr 421.552	-0.00008	0.00100	
	Ti 334.940	0.00089	0.00500	
	Tl 190.801	0.02322	0.02000	out
	V 292.402	0.00280	0.00600	
	Zn 213.857	0.00841	0.04000	

JVM 22 June 05

SIC Solutions

Sample Batch Number: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

	Element	Meas mg/L	RL mg/L	
SIC3 (CrMo)	Ag 328.068	0.00012	0.00500	
	Al 308.215	0.05817	0.10000	
	Al 396.153	-0.00975	0.10000	
	As 188.979	-0.00387	0.01500	
	B 249.677	-0.00272	0.10000	
	Ba 455.403	-0.00048	0.00200	
	Be 313.042	-0.00028	0.00100	
	Ca 315.887	0.05444	0.06000	
	Cd 214.440	0.00008	0.00100	
	Co 228.616	-0.00044	0.00200	
	Cr 267.716	10.33562	0.00400	
	Cu 324.752	0.00265	0.00500	
	Fe 259.939	-0.00451	0.02000	
	Fe 273.955	-0.00305	0.02000	
	K 766.490	-0.84308	2.00000	
	Li 670.784	0.00356	0.02500	
	Mg 279.077	0.00155	0.02000	
	Mg 280.271	0.00451	0.02000	
	Mn 257.610	-0.00132	0.00100	out
	Mo 202.031	10.36374	0.00400	
	Na 589.592	0.02355	0.40000	
	Ni 231.604	-0.00040	0.00200	
	Pb 220.353	0.00224	0.01500	
	Sb 206.836	0.05948	0.02000	out
	Se 196.026	0.00329	0.03000	
	Sn 189.927	0.00089	0.01000	
	Sr 421.552	-0.00018	0.00100	
	Ti 334.940	0.00047	0.00500	
	Tl 190.801	-0.00398	0.02000	
	V 292.402	0.00302	0.00600	
	Zn 213.857	0.00518	0.04000	

June 22 June 05

SIC Solutions

Sample Batch Number: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

	Element	Meas mg/L	RL mg/L	
SIC4 (CuTi)	Ag 328.068	0.00032	0.00500	
	Al 308.215	0.00681	0.10000	
	Al 396.153	0.00835	0.10000	
	As 188.979	-0.01735	0.01500	out
	B 249.677	-0.00413	0.10000	
	Ba 455.403	0.00191	0.00200	
	Be 313.042	-0.00007	0.00100	
	Ca 315.887	0.06719	0.06000	out
	Cd 214.440	0.00001	0.00100	
	Co 228.616	0.00007	0.00200	
	Cr 267.716	0.00196	0.00400	
	Cu 324.752	10.05286	0.00500	
	Fe 259.939	0.00466	0.02000	
	Fe 273.955	0.00785	0.02000	
	K 766.490	-0.51745	2.00000	
	Li 670.784	0.00245	0.02500	
	Mg 279.077	0.01488	0.02000	
	Mg 280.271	0.00680	0.02000	
	Mn 257.610	0.00015	0.00100	
	Mo 202.031	0.00608	0.00400	out
	Na 589.592	0.02516	0.40000	
	Ni 231.604	-0.00166	0.00200	
	Pb 220.353	-0.00062	0.01500	
	Sb 206.836	-0.00098	0.02000	
	Se 196.026	-0.00265	0.03000	
	Sn 189.927	-0.00002	0.01000	
	Sr 421.552	0.00024	0.00100	
	Ti 334.940	10.01921	0.00500	
	Tl 190.801	-0.10435	0.02000	out
	V 292.402	0.00163	0.00600	
	Zn 213.857	0.00701	0.04000	

SIC Solutions

Sample Batch Number: 0505010 & 0506008
Analysis Date: 15 June 05
Results Data Set: 061505

	Element	Meas mg/L	RL mg/L	
SIC5 (FeMn)	Ag 328.068	0.00009	0.00500	
	Al 308.215	0.00438	0.10000	
	Al 396.153	0.00408	0.10000	
	As 188.979	-0.00383	0.01500	
	B 249.677	0.00965	0.10000	
	Ba 455.403	0.00143	0.00200	
	Be 313.042	-0.00011	0.00100	
	Ca 315.887	0.03742	0.06000	
	Cd 214.440	-0.00299	0.00100	out
	Co 228.616	0.00176	0.00200	
	Cr 267.716	-0.00188	0.00400	
	Cu 324.752	0.00390	0.00500	
	Fe 259.939	307.56429	0.02000	
	Fe 273.955	331.54426	0.02000	
	K 766.490	0.33808	2.00000	
	Li 670.784	0.00348	0.02500	
	Mg 279.077	-0.00987	0.02000	
	Mg 280.271	0.01008	0.02000	
	Mn 257.610	9.99650	0.00100	
	Mo 202.031	0.00319	0.00400	
	Na 589.592	-0.00207	0.40000	
	Ni 231.604	0.00459	0.00200	out
	Pb 220.353	0.01645	0.01500	out
	Sb 206.836	-0.00008	0.02000	
	Se 196.026	-0.00101	0.03000	
	Sn 189.927	0.00079	0.01000	
	Sr 421.552	0.00019	0.00100	
	Ti 334.940	0.00453	0.00500	
	Tl 190.801	-0.00784	0.02000	
	V 292.402	-0.00406	0.00600	
	Zn 213.857	0.00457	0.04000	

Jun
12 June 05

Undigested Sample

Sample Work Order: 0505010
Analysis Date: 15 June 05
Results Data Set: 061505

		Measured mg/L	RL mg/L	
0505010-02 undig	Ag 328.068	0.00084	0.00500	
	Al 308.215	-0.02127	0.10000	
	Al 396.153	-0.00450	0.10000	
	As 188.979	-0.00203	0.01500	
	B 249.677	0.02977	0.10000	
	Ba 455.403	-0.00009	0.00200	
	Be 313.042	-0.00031	0.00100	
	Ca 315.887	0.03180	0.06000	
	Cd 214.440	-0.00005	0.00100	
	Co 228.616	0.00034	0.00200	
	Cr 267.716	0.00014	0.00400	
	Cu 324.752	0.00172	0.00500	
	Fe 259.939	-0.00388	0.02000	
	Fe 273.955	-0.00003	0.02000	
	K 766.490	-0.17223	2.00000	
	Li 670.784	0.00338	0.02500	
	Mg 279.077	0.00936	0.02000	
	Mg 280.271	0.00322	0.02000	
	Mn 257.610	-0.00003	0.00100	
	Mo 202.031	-0.00019	0.00400	
	Na 589.592	1.52868	0.40000	out
	Ni 231.604	0.00084	0.00200	
	Pb 220.353	-0.00296	0.01500	
	Sb 206.836	-0.00001	0.02000	
	Se 196.026	-0.00251	0.03000	
	Sn 189.927	-0.00025	0.01000	
	Sr 421.552	0.00006	0.00100	
	Ti 334.940	0.00015	0.00500	
	Tl 190.801	-0.00093	0.02000	
	V 292.402	-0.00016	0.00600	
	Zn 213.857	0.00033	0.04000	

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Analysis Begun

Start Time: 6/15/2005 9:24:05 AM **Plasma On Time: 6/15/2005 8:00:38 AM**
Logged In Analyst: Jvmorris **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N1041101Autosampler Model: AS-91

JVM
15 June 05

Sample Information File: C:\pe\Jvmorris\Sample Information\061505.sif
Batch ID: B506033&34
Results Data Set: 061505
Results Library: C:\pe\Jvmorris\Results\Results.mdb

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Method Loaded
Method Name: water_042805 **Method Last Saved: 6/15/2005 9:24:00 AM**
IEC File: 092704.iec **MSF File:**
Method Description: Repeak some subarrays

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6/15/2005 9:25:53 AM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): 0.002 Slit adjustment: 9

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Sequence No.: 2 **Autosampler Location: 9**
Sample ID: Calib Blank 1 **Date Collected: 6/15/2005 9:26:53 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	510225.1	6209.67	1.22%		
Y 360.073	3067554.2	68701.52	2.24%		
Ag 328.068†	-190.5	60.19	31.60%	[0.00]	mg/L
Ag 338.289†	215.4	106.58	49.49%	[0.00]	mg/L
Al 308.215†	142.3	5.89	4.14%	[0.00]	mg/L
Al 394.401†	5.1	6.11	120.46%	[0.00]	mg/L
Al 396.153†	-651.5	34.58	5.31%	[0.00]	mg/L
As 188.979†	4.2	1.95	46.18%	[0.00]	mg/L
As 193.696†	17.2	2.23	13.00%	[0.00]	mg/L
As 197.197†	0.9	1.36	146.26%	[0.00]	mg/L
B 208.889†	8.3	1.52	18.35%	[0.00]	mg/L
B 249.677†	25.4	7.82	30.77%	[0.00]	mg/L
B 249.772†	56.5	1.50	2.65%	[0.00]	mg/L
Ba 233.527†	-4.4	1.87	42.08%	[0.00]	mg/L
Ba 455.403†	685.5	59.72	8.71%	[0.00]	mg/L
Ba 493.408†	754.9	79.33	10.51%	[0.00]	mg/L
Be 234.861†	-34.4	1.77	5.14%	[0.00]	mg/L
Be 313.042†	-47.9	14.67	30.62%	[0.00]	mg/L
Be 313.107†	-457.7	14.58	3.18%	[0.00]	mg/L
Ca 315.887†	138.7	17.00	12.25%	[0.00]	mg/L
Ca 317.933†	2853.5	53.72	1.88%	[0.00]	mg/L
Cd 214.440†	13.4	0.68	5.04%	[0.00]	mg/L
Cd 226.502†	-156.7	3.05	1.94%	[0.00]	mg/L
Cd 228.802†	7.7	1.38	17.86%	[0.00]	mg/L
Ce 413.380†	124.6	81.82	65.69%	[0.00]	mg/L
Ce 413.764†	57.3	51.54	89.94%	[0.00]	mg/L
Ce 418.660†	-257.2	62.51	24.31%	[0.00]	mg/L
Co 228.616†	59.2	8.58	14.49%	[0.00]	mg/L
Co 230.786†	1525.1	28.40	1.86%	[0.00]	mg/L
Co 238.892†	-21.6	6.07	28.15%	[0.00]	mg/L
Cr 205.560†	2.9	0.93	31.82%	[0.00]	mg/L
Cr 267.716†	385.1	25.86	6.71%	[0.00]	mg/L
Cr 283.563†	3748.0	35.05	0.94%	[0.00]	mg/L
Cu 224.700†	1.9	2.03	104.59%	[0.00]	mg/L
Cu 324.752†	3043.3	47.43	1.56%	[0.00]	mg/L
Cu 327.393†	199.4	92.84	46.56%	[0.00]	mg/L
Fe 238.204†	82.4	4.30	5.22%	[0.00]	mg/L
Fe 239.562†	43.4	3.94	9.10%	[0.00]	mg/L

Fe 259.939†	74.8	3.21	4.29%	[0.00]	mg/L
Fe 273.955†	6.1	3.92	64.39%	[0.00]	mg/L
K 766.490†	43879.0	871.84	1.99%	[0.00]	mg/L
Li 610.362†	46015.5	968.33	2.10%	[0.00]	mg/L
Li 670.784†	-346.1	184.18	53.22%	[0.00]	mg/L
Mg 279.077†	-5.7	1.89	33.28%	[0.00]	mg/L
Mg 280.271†	495.7	15.04	3.03%	[0.00]	mg/L
Mg 285.213†	-178.0	3.97	2.23%	[0.00]	mg/L
Mn 257.610†	-2.8	3.24	115.32%	[0.00]	mg/L
Mn 259.372†	45.4	6.12	13.47%	[0.00]	mg/L
Mn 260.568†	-1.1	3.44	307.28%	[0.00]	mg/L
Mo 202.031†	9.9	3.17	32.12%	[0.00]	mg/L
Mo 203.845†	-0.9	2.10	242.60%	[0.00]	mg/L
Mo 204.597†	-9.7	2.20	22.69%	[0.00]	mg/L
Na 588.995†	48775.1	1137.95	2.33%	[0.00]	mg/L
Na 589.592†	497.8	62.19	12.49%	[0.00]	mg/L
Ni 221.648†	-1.5	2.66	183.02%	[0.00]	mg/L
Ni 231.604†	-11.0	7.16	65.33%	[0.00]	mg/L
Ni 232.003†	2.9	6.33	215.90%	[0.00]	mg/L
P 213.617†	12.5	8.36	66.97%	[0.00]	mg/L
P 214.914†	-1.7	2.66	151.93%	[0.00]	mg/L
Pb 217.000†	11.5	10.29	89.41%	[0.00]	mg/L
Pb 220.353†	60.5	4.55	7.52%	[0.00]	mg/L
Sb 206.836†	-12.5	3.27	26.24%	[0.00]	mg/L
Sb 217.582†	-49.9	7.16	14.35%	[0.00]	mg/L
Se 196.026†	3.4	3.30	98.42%	[0.00]	mg/L
Se 203.985†	-61.5	3.12	5.07%	[0.00]	mg/L
Si 251.611†	413.8	26.94	6.51%	[0.00]	mg/L
Si 288.158†	897.0	28.49	3.18%	[0.00]	mg/L
Si 252.851†	52.4	12.42	23.68%	[0.00]	mg/L
Sn 235.485†	352.6	9.09	2.58%	[0.00]	mg/L
Sn 189.927†	6.8	0.87	12.69%	[0.00]	mg/L
Sr 460.733†	-300.8	40.30	13.40%	[0.00]	mg/L
Sr 407.771†	315.8	68.85	21.81%	[0.00]	mg/L
Sr 421.552†	640.7	79.09	12.34%	[0.00]	mg/L
Ti 337.279†	-35.9	5.99	16.69%	[0.00]	mg/L
Ti 334.940†	-3.9	1.66	42.47%	[0.00]	mg/L
Ti 336.121†	6.0	40.04	662.55%	[0.00]	mg/L
Tl 351.924†	1071.4	159.15	14.85%	[0.00]	mg/L
Tl 190.801†	-6.3	1.99	31.85%	[0.00]	mg/L
Tl 276.787†	66.7	18.52	27.77%	[0.00]	mg/L
V 310.230†	1642.3	23.44	1.43%	[0.00]	mg/L
V 292.402†	-25.3	13.30	52.57%	[0.00]	mg/L
V 311.071†	87.4	23.90	27.35%	[0.00]	mg/L
Zn 206.200†	2.4	0.56	23.44%	[0.00]	mg/L
Zn 213.857†	6.4	1.68	26.24%	[0.00]	mg/L
Zn 202.548†	10.8	1.42	13.16%	[0.00]	mg/L

Sequence No.: 3
Sample ID: Cal 1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 6/15/2005 9:31:11 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Cal 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 371.029	491746.8	6652.08	1.35%		
Y 360.073	3023848.2	42807.48	1.42%		
As 188.979†	9528.7	143.69	1.51%	[10]	mg/L
As 193.696†	13260.5	205.55	1.55%	[10]	mg/L
As 197.197†	189.5	6.16	3.25%	[10]	mg/L
B 208.889†	169.1	7.65	4.52%	[1]	mg/L
B 249.677†	2012.9	44.75	2.22%	[1]	mg/L
B 249.772†	4269.3	110.40	2.59%	[1]	mg/L
Ba 233.527†	4886.7	94.04	1.92%	[1]	mg/L
Ba 455.403†	214361.5	375.75	0.18%	[1]	mg/L
Ba 493.408†	283436.4	156.01	0.06%	[1]	mg/L
Ca 317.933†	110008.2	2950.25	2.68%	[10]	mg/L
Cd 214.440†	152253.8	676.49	0.44%	[2]	mg/L

Cd 226.502†	87429.3	380.30	0.43%	[2]	mg/L
Cd 228.802†	4461.0	86.88	1.95%	[2]	mg/L
Mn 257.610†	57664.3	1605.27	2.78%	[2]	mg/L
Mn 259.372†	77349.5	2204.98	2.85%	[2]	mg/L
Mn 260.568†	34924.5	871.30	2.49%	[2]	mg/L
Sb 206.836†	11341.2	181.57	1.60%	[5]	mg/L
Sb 217.582†	12119.3	171.13	1.41%	[5]	mg/L
Se 196.026†	5119.3	85.05	1.66%	[5]	mg/L
Se 203.985†	2851.7	39.73	1.39%	[5]	mg/L
Sr 460.733†	142.6	74.63	52.35%	[1]	mg/L
Sr 407.771†	1009352.7	1082.11	0.11%	[1]	mg/L
Sr 421.552†	327845.7	252.64	0.08%	[1]	mg/L

Sequence No.: 4 **Autosampler Location: 11**
Sample ID: Cal 2 **Date Collected: 6/15/2005 9:35:15 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Cal 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	507551.9	5637.19	1.11%		
Y 360.073	3064067.3	35861.40	1.17%		
Li 610.362†	36273.6	420.52	1.16%	[5]	mg/L
Li 670.784†	292343.7	893.28	0.31%	[5]	mg/L
Mo 202.031†	109273.2	800.28	0.73%	[10]	mg/L
Mo 203.845†	1738.7	30.50	1.75%	[10]	mg/L
Mo 204.597†	59583.7	439.53	0.74%	[10]	mg/L
Na 588.995†	70535.8	476.69	0.68%	[10]	mg/L
Ti 337.279†	245858.1	879.39	0.36%	[10]	mg/L
Ti 334.940†	347061.2	1091.32	0.31%	[10]	mg/L
Ti 336.121†	213988.6	846.64	0.40%	[10]	mg/L

Sequence No.: 5 **Autosampler Location: 12**
Sample ID: Cal 3 **Date Collected: 6/15/2005 9:38:45 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Cal 3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	529973.6	6725.51	1.27%		
Y 360.073	3085024.2	51187.70	1.66%		
Ce 413.380†	5233.2	195.60	3.74%	[2]	mg/L
Ce 413.764†	5964.3	287.79	4.83%	[2]	mg/L
Ce 418.660†	7606.3	314.25	4.13%	[2]	mg/L
Co 228.616†	55472.8	479.92	0.87%	[2]	mg/L
Co 230.786†	43829.7	403.34	0.92%	[2]	mg/L
Co 238.892†	5862.4	254.48	4.34%	[2]	mg/L
P 213.617†	16855.2	191.07	1.13%	[10]	mg/L
P 214.914†	14351.2	233.98	1.63%	[10]	mg/L
V 310.230†	38939.9	1816.67	4.67%	[2]	mg/L
V 292.402†	164596.9	1549.00	0.94%	[2]	mg/L
V 311.071†	256117.2	351.17	0.14%	[2]	mg/L

Sequence No.: 6 **Autosampler Location: 13**
Sample ID: Cal 4 **Date Collected: 6/15/2005 9:41:49 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Cal 4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units

Y 371.029	511276.6	4153.51	0.81%		
Y 360.073	3112989.5	23521.36	0.76%		
Al 394.401†	15212.3	406.91	2.67%	[10]	mg/L
Al 396.153†	48635.9	77.69	0.16%	[10]	mg/L
Cr 205.560†	2677.0	70.79	2.64%	[5]	mg/L
Cr 267.716†	253219.5	2075.55	0.82%	[5]	mg/L
Cr 283.563†	713837.3	3516.96	0.49%	[5]	mg/L
Si 251.611†	149259.2	1281.96	0.86%	[10]	mg/L
Si 288.158†	50070.0	335.01	0.67%	[10]	mg/L
Si 252.851†	3242.2	98.49	3.04%	[10]	mg/L
Sn 235.485†	9102.8	120.71	1.33%	[4]	mg/L
Sn 189.927†	12042.1	84.60	0.70%	[4]	mg/L
Zn 206.200†	4948.4	117.97	2.38%	[5]	mg/L
Zn 213.857†	13266.1	356.16	2.68%	[5]	mg/L
Zn 202.548†	9687.6	319.28	3.30%	[5]	mg/L

Sequence No.: 7
Sample ID: Cal Ag/K
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 6/15/2005 9:44:53 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Cal Ag/K

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	494634.7	10674.55	2.16%		
Y 360.073	2962722.5	64854.38	2.19%		
Ag 328.068†	13307.2	248.57	1.87%	[0.1]	mg/L
Ag 338.289†	4511.5	102.13	2.26%	[0.1]	mg/L
Cu 224.700†	1331.2	28.39	2.13%	[2]	mg/L
Cu 324.752†	426594.1	847.16	0.20%	[2]	mg/L
Cu 327.393†	171741.1	2291.00	1.33%	[2]	mg/L
K 766.490†	561889.2	747.99	0.13%	[200]	mg/L

Sequence No.: 8
Sample ID: Cal 5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 6/15/2005 9:48:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Cal 5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	497664.9	13022.48	2.62%		
Y 360.073	3085131.2	33167.12	1.08%		
Be 234.861†	40916.7	655.59	1.60%	[1]	mg/L
Be 313.042†	380564.9	1990.09	0.52%	[1]	mg/L
Be 313.107†	154440.9	879.22	0.57%	[1]	mg/L
Fe 238.204†	66563.5	310.18	0.47%	[10]	mg/L
Fe 239.562†	48126.9	224.05	0.47%	[10]	mg/L
Fe 259.939†	63494.2	336.83	0.53%	[10]	mg/L
Mg 280.271†	1724265.0	8208.43	0.48%	[10]	mg/L
Mg 285.213†	178015.1	1029.05	0.58%	[10]	mg/L
Ni 221.648†	2327.9	44.14	1.90%	[2]	mg/L
Ni 231.604†	51582.1	448.49	0.87%	[2]	mg/L
Ni 232.003†	22617.9	219.06	0.97%	[2]	mg/L
Pb 217.000†	14797.2	149.34	1.01%	[10]	mg/L
Pb 220.353†	62305.7	569.28	0.91%	[10]	mg/L
Tl 351.924†	18936.6	195.46	1.03%	[5]	mg/L
Tl 190.801†	5730.7	48.22	0.84%	[5]	mg/L
Tl 276.787†	10637.5	197.19	1.85%	[5]	mg/L

Sequence No.: 9
Sample ID: Hi Cal
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 6/15/2005 9:51:30 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Hi Cal

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	442177.3	2240.64	0.51%		
Y 360.073	2494905.2	32533.58	1.30%		
Al 308.215†	438619.4	959.50	0.22%	[500]	mg/L
Ca 315.887†	2203128.8	8251.96	0.37%	[500]	mg/L
Fe 273.955†	571495.3	1907.49	0.33%	[500]	mg/L
Mg 279.077†	372358.7	1610.36	0.43%	[500]	mg/L
Na 589.592†	840988.4	1494.98	0.18%	[200]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin, Calc Int	0.0	133100	0.00000	1.000000	
Ag 338.289	1	Lin, Calc Int	0.0	45120	0.00000	1.000000	
Al 308.215	1	Lin, Calc Int	0.0	877.2	0.00000	1.000000	
Al 394.401	1	Lin, Calc Int	0.0	1521	0.00000	1.000000	
Al 396.153	1	Lin, Calc Int	0.0	4864	0.00000	1.000000	
As 188.979	1	Lin, Calc Int	0.0	952.9	0.00000	1.000000	
As 193.696	1	Lin, Calc Int	-0.0	1326	0.00000	1.000000	
As 197.197	1	Lin, Calc Int	0.0	18.95	0.00000	1.000000	
B 208.889	1	Lin, Calc Int	0.0	169.1	0.00000	1.000000	
B 249.677	1	Lin, Calc Int	0.0	2013	0.00000	1.000000	
B 249.772	1	Lin, Calc Int	0.0	4269	0.00000	1.000000	
Ba 233.527	1	Lin, Calc Int	0.0	4887	0.00000	1.000000	
Ba 455.403	1	Lin, Calc Int	0.0	214400	0.00000	1.000000	
Ba 493.408	1	Lin, Calc Int	0.0	283400	0.00000	1.000000	
Be 234.861	1	Lin, Calc Int	0.0	40920	0.00000	1.000000	
Be 313.042	1	Lin, Calc Int	0.0	380600	0.00000	1.000000	
Be 313.107	1	Lin, Calc Int	0.0	154400	0.00000	1.000000	
Ca 315.887	1	Lin, Calc Int	0.0	4406	0.00000	1.000000	
Ca 317.933	1	Lin, Calc Int	0.0	11000	0.00000	1.000000	
Cd 214.440	1	Lin, Calc Int	0.0	76130	0.00000	1.000000	
Cd 226.502	1	Lin, Calc Int	0.0	43710	0.00000	1.000000	
Cd 228.802	1	Lin, Calc Int	0.0	2231	0.00000	1.000000	
Ce 413.380	1	Lin, Calc Int	0.0	2617	0.00000	1.000000	
Ce 413.764	1	Lin, Calc Int	0.0	2982	0.00000	1.000000	
Ce 418.660	1	Lin, Calc Int	0.0	3803	0.00000	1.000000	
Co 228.616	1	Lin, Calc Int	0.0	27740	0.00000	1.000000	
Co 230.786	1	Lin, Calc Int	0.0	21910	0.00000	1.000000	
Co 238.892	1	Lin, Calc Int	0.0	2931	0.00000	1.000000	
Cr 205.560	1	Lin, Calc Int	-0.0	535.4	0.00000	1.000000	
Cr 267.716	1	Lin, Calc Int	0.0	50640	0.00000	1.000000	
Cr 283.563	1	Lin, Calc Int	0.0	142800	0.00000	1.000000	
Cu 224.700	1	Lin, Calc Int	0.0	665.6	0.00000	1.000000	
Cu 324.752	1	Lin, Calc Int	0.0	213300	0.00000	1.000000	
Cu 327.393	1	Lin, Calc Int	0.0	85870	0.00000	1.000000	
Fe 238.204	1	Lin, Calc Int	0.0	6656	0.00000	1.000000	
Fe 239.562	1	Lin, Calc Int	0.0	4813	0.00000	1.000000	
Fe 259.939	1	Lin, Calc Int	0.0	6349	0.00000	1.000000	
Fe 273.955	1	Lin, Calc Int	0.0	1143	0.00000	1.000000	
K 766.490	1	Lin, Calc Int	0.0	2809	0.00000	1.000000	
Li 610.362	1	Lin, Calc Int	0.0	7255	0.00000	1.000000	
Li 670.784	1	Lin, Calc Int	0.0	58470	0.00000	1.000000	
Mg 279.077	1	Lin, Calc Int	0.0	744.7	0.00000	1.000000	
Mg 280.271	1	Lin, Calc Int	-0.0	172400	0.00000	1.000000	
Mg 285.213	1	Lin, Calc Int	0.0	17800	0.00000	1.000000	
Mn 257.610	1	Lin, Calc Int	0.0	28830	0.00000	1.000000	
Mn 259.372	1	Lin, Calc Int	0.0	38670	0.00000	1.000000	
Mn 260.568	1	Lin, Calc Int	0.0	17460	0.00000	1.000000	
Mo 202.031	1	Lin, Calc Int	0.0	10930	0.00000	1.000000	
Mo 203.845	1	Lin, Calc Int	0.0	173.9	0.00000	1.000000	
Mo 204.597	1	Lin, Calc Int	0.0	5958	0.00000	1.000000	
Na 588.995	1	Lin, Calc Int	0.0	7054	0.00000	1.000000	
Na 589.592	1	Lin, Calc Int	0.0	4205	0.00000	1.000000	
Ni 221.648	1	Lin, Calc Int	0.0	1164	0.00000	1.000000	
Ni 231.604	1	Lin, Calc Int	0.0	25790	0.00000	1.000000	
Ni 232.003	1	Lin, Calc Int	0.0	11310	0.00000	1.000000	

P 213.617	1	Lin, Calc Int	-0.0	1686	0.00000	1.000000
P 214.914	1	Lin, Calc Int	0.0	1435	0.00000	1.000000
Pb 217.000	1	Lin, Calc Int	0.0	1480	0.00000	1.000000
Pb 220.353	1	Lin, Calc Int	0.0	6231	0.00000	1.000000
Pb 206.836	1	Lin, Calc Int	0.0	2268	0.00000	1.000000
Pb 217.582	1	Lin, Calc Int	0.0	2424	0.00000	1.000000
Se 196.026	1	Lin, Calc Int	0.0	1024	0.00000	1.000000
Se 203.985	1	Lin, Calc Int	0.0	570.3	0.00000	1.000000
Si 251.611	1	Lin, Calc Int	0.0	14930	0.00000	1.000000
Si 288.158	1	Lin, Calc Int	0.0	5007	0.00000	1.000000
Si 252.851	1	Lin, Calc Int	0.0	324.2	0.00000	1.000000
Sn 235.485	1	Lin, Calc Int	0.0	2276	0.00000	1.000000
Sn 189.927	1	Lin, Calc Int	0.0	3011	0.00000	1.000000
Sr 460.733	1	Lin, Calc Int	0.0	142.6	0.00000	1.000000
Sr 407.771	1	Lin, Calc Int	0.0	1009000	0.00000	1.000000
Sr 421.552	1	Lin, Calc Int	0.0	327800	0.00000	1.000000
Ti 337.279	1	Lin, Calc Int	0.0	24590	0.00000	1.000000
Ti 334.940	1	Lin, Calc Int	0.0	34710	0.00000	1.000000
Ti 336.121	1	Lin, Calc Int	-0.0	21400	0.00000	1.000000
Tl 351.924	1	Lin, Calc Int	0.0	3787	0.00000	1.000000
Tl 190.801	1	Lin, Calc Int	-0.0	1146	0.00000	1.000000
Tl 276.787	1	Lin, Calc Int	0.0	2128	0.00000	1.000000
V 310.230	1	Lin, Calc Int	0.0	19470	0.00000	1.000000
V 292.402	1	Lin, Calc Int	0.0	82300	0.00000	1.000000
V 311.071	1	Lin, Calc Int	0.0	128100	0.00000	1.000000
Zn 206.200	1	Lin, Calc Int	0.0	989.7	0.00000	1.000000
Zn 213.857	1	Lin, Calc Int	-0.0	2653	0.00000	1.000000
Zn 202.548	1	Lin, Calc Int	0.0	1938	0.00000	1.000000

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

Autosampler Location: 17
Date Collected: 6/15/2005 9:54:34 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: wash

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	524127.2						12202.74	2.33%
Y 360.073	3149343.1						45275.34	1.44%
Ag 328.068†	11.6	0.00000	mg/L	0.000436	0.00000	mg/L	0.000436	>999.9%
Ag 338.289†	-108.7	-0.00250	mg/L	0.001371	-0.00250	mg/L	0.001371	54.86%
Al 308.215†	23.8	0.02739	mg/L	0.015014	0.02739	mg/L	0.015014	54.82%
Al 394.401†	54.1	0.03744	mg/L	0.013425	0.03744	mg/L	0.013425	35.86%
Al 396.153†	231.5	0.04791	mg/L	0.002665	0.04791	mg/L	0.002665	5.56%
As 188.979†	2.9	0.00326	mg/L	0.001087	0.00326	mg/L	0.001087	33.38%
As 193.696†	0.0	0.00014	mg/L	0.001191	0.00014	mg/L	0.001191	879.24%
As 197.197†	-0.6	-0.03174	mg/L	0.042542	-0.03174	mg/L	0.042542	134.04%
B 208.889†	2.5	0.01481	mg/L	0.013397	0.01481	mg/L	0.013397	90.48%
B 249.677†	-7.3	-0.00354	mg/L	0.002009	-0.00354	mg/L	0.002009	56.78%
B 249.772†	0.9	0.00021	mg/L	0.000706	0.00021	mg/L	0.000706	328.50%
Ba 233.527†	-5.3	-0.00106	mg/L	0.000616	-0.00106	mg/L	0.000616	58.24%
Ba 455.403†	176.2	0.00086	mg/L	0.000448	0.00086	mg/L	0.000448	52.34%
Ba 493.408†	85.8	0.00034	mg/L	0.000549	0.00034	mg/L	0.000549	163.57%
Be 234.861†	2.6	0.00006	mg/L	0.000162	0.00006	mg/L	0.000162	282.23%
Be 313.042†	-38.6	-0.00010	mg/L	0.000022	-0.00010	mg/L	0.000022	21.59%
Be 313.107†	-5.7	-0.00004	mg/L	0.000338	-0.00004	mg/L	0.000338	860.06%
Ca 315.887†	251.3	0.05703	mg/L	0.013822	0.05703	mg/L	0.013822	24.24%
Ca 317.933†	733.4	0.06708	mg/L	0.003019	0.06708	mg/L	0.003019	4.50%
Cd 214.440†	2.1	0.00008	mg/L	0.000103	0.00008	mg/L	0.000103	137.35%
Cd 226.502†	15.5	0.00035	mg/L	0.000219	0.00035	mg/L	0.000219	62.35%
Cd 228.802†	4.8	0.00215	mg/L	0.000605	0.00215	mg/L	0.000605	28.09%
Ce 413.380†	-21.6	-0.00820	mg/L	0.005789	-0.00820	mg/L	0.005789	70.56%
Ce 413.764†	-7.3	-0.00234	mg/L	0.017803	-0.00234	mg/L	0.017803	762.16%
Ce 418.660†	-61.6	-0.01626	mg/L	0.026837	-0.01626	mg/L	0.026837	165.07%
Co 228.616†	4.8	0.00018	mg/L	0.000282	0.00018	mg/L	0.000282	160.79%
Co 230.786†	-59.5	-0.00271	mg/L	0.001243	-0.00271	mg/L	0.001243	45.90%
Co 238.892†	1.0	0.00022	mg/L	0.001211	0.00022	mg/L	0.001211	545.70%
Cr 205.560†	-0.5	-0.00085	mg/L	0.000994	-0.00085	mg/L	0.000994	117.17%
Cr 267.716†	1.4	0.00004	mg/L	0.000753	0.00004	mg/L	0.000753	>999.9%

Cr 283.563†	-375.5	-0.00263 mg/L	0.000434	-0.00263 mg/L	0.000434	16.49%
Cu 224.700†	-4.2	-0.00600 mg/L	0.000931	-0.00600 mg/L	0.000931	15.51%
Cu 324.752†	292.9	0.00141 mg/L	0.000327	0.00141 mg/L	0.000327	23.26%
Cu 327.393†	-36.8	-0.00041 mg/L	0.000954	-0.00041 mg/L	0.000954	233.55%
Fe 238.204†	303.5	0.04570 mg/L	0.010317	0.04570 mg/L	0.010317	22.57%
Fe 239.562†	227.0	0.04728 mg/L	0.010343	0.04728 mg/L	0.010343	21.87%
Fe 259.939†	286.9	0.04531 mg/L	0.011853	0.04531 mg/L	0.011853	26.16%
Fe 273.955†	56.1	0.04924 mg/L	0.013157	0.04924 mg/L	0.013157	26.72%
K 766.490†	-1035.8	-0.3687 mg/L	0.36800	-0.3687 mg/L	0.36800	99.82%
Li 610.362†	-1185.4	-0.1634 mg/L	0.15324	-0.1634 mg/L	0.15324	93.78%
Li 670.784†	59.1	0.00101 mg/L	0.003584	0.00101 mg/L	0.003584	354.50%
Mg 279.077†	33.0	0.04440 mg/L	0.022020	0.04440 mg/L	0.022020	49.59%
Mg 280.271†	7177.8	0.04168 mg/L	0.008573	0.04168 mg/L	0.008573	20.57%
Mg 285.213†	753.0	0.04236 mg/L	0.009445	0.04236 mg/L	0.009445	22.30%
Mn 257.610†	9.3	0.00033 mg/L	0.000220	0.00033 mg/L	0.000220	67.49%
Mn 259.372†	13.6	0.00030 mg/L	0.000152	0.00030 mg/L	0.000152	50.73%
Mn 260.568†	3.3	0.00019 mg/L	0.000214	0.00019 mg/L	0.000214	111.54%
Mo 202.031†	5.1	0.00048 mg/L	0.000026	0.00048 mg/L	0.000026	5.44%
Mo 203.845†	0.0	0.00018 mg/L	0.002825	0.00018 mg/L	0.002825	>999.9%
Mo 204.597†	-1.3	-0.00022 mg/L	0.000704	-0.00022 mg/L	0.000704	313.45%
Na 588.995†	-1862.0	-0.2626 mg/L	0.18594	-0.2626 mg/L	0.18594	70.81%
Na 589.592†	30.3	0.00765 mg/L	0.013653	0.00765 mg/L	0.013653	178.56%
Ni 221.648†	-0.4	-0.00030 mg/L	0.003487	-0.00030 mg/L	0.003487	>999.9%
Ni 231.604†	4.6	0.00019 mg/L	0.000159	0.00019 mg/L	0.000159	83.15%
Ni 232.003†	-3.4	-0.00024 mg/L	0.000769	-0.00024 mg/L	0.000769	316.34%
P 213.617†	-10.7	-0.00601 mg/L	0.004992	-0.00601 mg/L	0.004992	83.05%
P 214.914†	-3.4	-0.00233 mg/L	0.003842	-0.00233 mg/L	0.003842	164.54%
Pb 217.000†	-3.5	-0.00237 mg/L	0.001725	-0.00237 mg/L	0.001725	72.67%
Pb 220.353†	9.6	0.00154 mg/L	0.001037	0.00154 mg/L	0.001037	67.49%
Sb 206.836†	4.1	0.00183 mg/L	0.000866	0.00183 mg/L	0.000866	47.25%
Sb 217.582†	9.8	0.00407 mg/L	0.002333	0.00407 mg/L	0.002333	57.38%
Se 196.026†	3.3	0.00324 mg/L	0.004781	0.00324 mg/L	0.004781	147.67%
Se 203.985†	5.3	0.00953 mg/L	0.003631	0.00953 mg/L	0.003631	38.11%
Si 251.611†	263.7	0.01808 mg/L	0.003458	0.01808 mg/L	0.003458	19.12%
Si 288.158†	111.1	0.02267 mg/L	0.007305	0.02267 mg/L	0.007305	32.22%
Si 252.851†	0.3	0.00011 mg/L	0.031286	0.00011 mg/L	0.031286	>999.9%
Sn 235.485†	12.2	-0.00951 mg/L	0.006400	-0.00951 mg/L	0.006400	67.33%
Sn 189.927†	2.9	0.00096 mg/L	0.000992	0.00096 mg/L	0.000992	102.91%
Sr 460.733†	-84.2	-0.5902 mg/L	0.78248	-0.5902 mg/L	0.78248	132.57%
Sr 407.771†	-15.1	-0.00002 mg/L	0.000079	-0.00002 mg/L	0.000079	512.45%
Sr 421.552†	32.1	0.00010 mg/L	0.000204	0.00010 mg/L	0.000204	209.75%
Ti 337.279†	1.2	0.00004 mg/L	0.000454	0.00004 mg/L	0.000454	>999.9%
Ti 334.940†	5.1	0.00015 mg/L	0.000064	0.00015 mg/L	0.000064	43.05%
Ti 336.121†	47.9	0.00225 mg/L	0.001074	0.00225 mg/L	0.001074	47.82%
Tl 351.924†	-34.4	-0.01060 mg/L	0.021472	-0.01060 mg/L	0.021472	202.54%
Tl 190.801†	6.9	0.00600 mg/L	0.000339	0.00600 mg/L	0.000339	5.66%
Tl 276.787†	3.2	0.00116 mg/L	0.001922	0.00116 mg/L	0.001922	165.29%
V 310.230†	7.7	0.00045 mg/L	0.002291	0.00045 mg/L	0.002291	513.08%
V 292.402†	0.7	0.00001 mg/L	0.000163	0.00001 mg/L	0.000163	>999.9%
V 311.071†	-44.0	-0.00035 mg/L	0.000236	-0.00035 mg/L	0.000236	67.01%
Zn 206.200†	0.6	0.00064 mg/L	0.001642	0.00064 mg/L	0.001642	257.08%
Zn 213.857†	0.7	0.00030 mg/L	0.000434	0.00030 mg/L	0.000434	143.61%
Zn 202.548†	2.0	0.00112 mg/L	0.000437	0.00112 mg/L	0.000437	39.05%

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

Autosampler Location: 1
Date Collected: 6/15/2005 9:58:44 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	513531.0						3247.38	0.63%
Y 360.073	3110445.2						30074.26	0.97%
Ag 328.068†	-31.4	-0.00032	mg/L	0.000323	-0.00032	mg/L	0.000323	100.56%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Ag 338.289†	-77.5	-0.00190	mg/L	0.002512	-0.00190	mg/L	0.002512	132.33%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215†	-11.8	-0.01288	mg/L	0.011854	-0.01288	mg/L	0.011854	92.04%

QC value within limits for Al 308.215 Recovery = Not calculated

Al 394.401†	3.8	0.00460 mg/L	0.009096	0.00460 mg/L	0.009096	197.59%
QC value within limits for Al 394.401 Recovery = Not calculated						
Al 396.153†	-86.1	-0.01709 mg/L	0.004283	-0.01709 mg/L	0.004283	25.06%
QC value within limits for Al 396.153 Recovery = Not calculated						
As 188.979†	-1.5	-0.00130 mg/L	0.002703	-0.00130 mg/L	0.002703	208.06%
QC value within limits for As 188.979 Recovery = Not calculated						
As 193.696†	-0.1	0.00018 mg/L	0.002904	0.00018 mg/L	0.002904	>999.9%
QC value within limits for As 193.696 Recovery = Not calculated						
As 197.197†	1.2	0.06542 mg/L	0.058340	0.06542 mg/L	0.058340	89.18%
QC value within limits for As 197.197 Recovery = Not calculated						
B 208.889†	2.9	0.01729 mg/L	0.006489	0.01729 mg/L	0.006489	37.54%
QC value within limits for B 208.889 Recovery = Not calculated						
B 249.677†	-3.0	-0.00132 mg/L	0.000387	-0.00132 mg/L	0.000387	29.23%
QC value within limits for B 249.677 Recovery = Not calculated						
B 249.772†	-7.9	-0.00175 mg/L	0.000678	-0.00175 mg/L	0.000678	38.64%
QC value within limits for B 249.772 Recovery = Not calculated						
Ba 233.527†	-7.3	-0.00143 mg/L	0.000298	-0.00143 mg/L	0.000298	20.87%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Ba 455.403†	45.5	0.00028 mg/L	0.000884	0.00028 mg/L	0.000884	318.59%
QC value within limits for Ba 455.403 Recovery = Not calculated						
Ba 493.408†	-28.9	-0.00004 mg/L	0.000688	-0.00004 mg/L	0.000688	>999.9%
QC value within limits for Ba 493.408 Recovery = Not calculated						
Be 234.861†	1.1	0.00003 mg/L	0.000060	0.00003 mg/L	0.000060	234.37%
QC value within limits for Be 234.861 Recovery = Not calculated						
Be 313.042†	-53.1	-0.00014 mg/L	0.000037	-0.00014 mg/L	0.000037	26.20%
QC value within limits for Be 313.042 Recovery = Not calculated						
Be 313.107†	-39.8	-0.00026 mg/L	0.000114	-0.00026 mg/L	0.000114	43.55%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	-0.8	-0.00019 mg/L	0.003623	-0.00019 mg/L	0.003623	>999.9%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Ca 317.933†	160.5	0.01539 mg/L	0.006016	0.01539 mg/L	0.006016	39.10%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cd 214.440†	-2.6	0.00006 mg/L	0.000070	0.00006 mg/L	0.000070	108.34%
QC value within limits for Cd 214.440 Recovery = Not calculated						
Cd 226.502†	8.5	0.00020 mg/L	0.000114	0.00020 mg/L	0.000114	57.95%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Cd 228.802†	-0.6	-0.00029 mg/L	0.000408	-0.00029 mg/L	0.000408	138.67%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Ce 413.380†	-28.4	-0.01074 mg/L	0.007660	-0.01074 mg/L	0.007660	71.34%
QC value within limits for Ce 413.380 Recovery = Not calculated						
Ce 413.764†	-53.3	-0.01765 mg/L	0.004131	-0.01765 mg/L	0.004131	23.41%
QC value within limits for Ce 413.764 Recovery = Not calculated						
Ce 418.660†	-59.6	-0.01579 mg/L	0.014808	-0.01579 mg/L	0.014808	93.79%
QC value within limits for Ce 418.660 Recovery = Not calculated						
Co 228.616†	1.3	0.00005 mg/L	0.000101	0.00005 mg/L	0.000101	186.67%
QC value within limits for Co 228.616 Recovery = Not calculated						
Co 230.786†	-38.7	-0.00173 mg/L	0.000548	-0.00173 mg/L	0.000548	31.69%
QC value within limits for Co 230.786 Recovery = Not calculated						
Co 238.892†	-6.7	-0.00231 mg/L	0.002437	-0.00231 mg/L	0.002437	105.66%
QC value within limits for Co 238.892 Recovery = Not calculated						
Cr 205.560†	-0.6	-0.00105 mg/L	0.001584	-0.00105 mg/L	0.001584	151.46%
QC value within limits for Cr 205.560 Recovery = Not calculated						
Cr 267.716†	-1.5	0.00000 mg/L	0.000107	0.00000 mg/L	0.000107	>999.9%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cr 283.563†	-386.3	-0.00268 mg/L	0.000324	-0.00268 mg/L	0.000324	12.12%
QC value within limits for Cr 283.563 Recovery = Not calculated						
Cu 224.700†	-3.4	-0.00432 mg/L	0.001148	-0.00432 mg/L	0.001148	26.57%
QC value within limits for Cu 224.700 Recovery = Not calculated						
Cu 324.752†	238.1	0.00119 mg/L	0.000295	0.00119 mg/L	0.000295	24.88%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Cu 327.393†	-3.5	0.00000 mg/L	0.000378	0.00000 mg/L	0.000378	>999.9%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	-10.5	-0.00136 mg/L	0.001006	-0.00136 mg/L	0.001006	73.86%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Fe 239.562†	-5.4	-0.00088 mg/L	0.000931	-0.00088 mg/L	0.000931	105.66%
QC value within limits for Fe 239.562 Recovery = Not calculated						
Fe 259.939†	-7.8	-0.00101 mg/L	0.000393	-0.00101 mg/L	0.000393	39.00%
QC value within limits for Fe 259.939 Recovery = Not calculated						
Fe 273.955†	2.5	0.00248 mg/L	0.002577	0.00248 mg/L	0.002577	104.13%
QC value within limits for Fe 273.955 Recovery = Not calculated						
K 766.490†	-28.7	-0.01022 mg/L	0.117868	-0.01022 mg/L	0.117868	>999.9%

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   QC value within limits for K 766.490  Recovery = Not calculated
Li 610.362†            -134.4    -0.01852 mg/L      0.041493    -0.01852 mg/L      0.041493 224.00%
   QC value within limits for Li 610.362  Recovery = Not calculated
Li 670.784†             297.3     0.00508 mg/L      0.002012     0.00508 mg/L      0.002012  39.58%
   QC value within limits for Li 670.784  Recovery = Not calculated
Mg 279.077†               0.1     0.00024 mg/L      0.007204     0.00024 mg/L      0.007204 >999.9%
   QC value within limits for Mg 279.077  Recovery = Not calculated
Mg 280.271†             198.1     0.00124 mg/L      0.000697     0.00124 mg/L      0.000697  56.18%
   QC value within limits for Mg 280.271  Recovery = Not calculated
Mg 285.213†              32.0     0.00190 mg/L      0.001206     0.00190 mg/L      0.001206  63.34%
   QC value within limits for Mg 285.213  Recovery = Not calculated
Mn 257.610†               5.7     0.00021 mg/L      0.000033     0.00021 mg/L      0.000033  15.67%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Mn 259.372†               3.0     0.00009 mg/L      0.000139     0.00009 mg/L      0.000139 148.65%
   QC value within limits for Mn 259.372  Recovery = Not calculated
Mn 260.568†              -0.4    -0.00001 mg/L      0.000032    -0.00001 mg/L      0.000032 322.71%
   QC value within limits for Mn 260.568  Recovery = Not calculated
Mo 202.031†               4.9     0.00048 mg/L      0.000250     0.00048 mg/L      0.000250  52.37%
   QC value within limits for Mo 202.031  Recovery = Not calculated
Mo 203.845†              -0.1    -0.00049 mg/L      0.004145    -0.00049 mg/L      0.004145 851.94%
   QC value within limits for Mo 203.845  Recovery = Not calculated
Mo 204.597†               1.0     0.00015 mg/L      0.000157     0.00015 mg/L      0.000157 106.70%
   QC value within limits for Mo 204.597  Recovery = Not calculated
Na 588.995†           -1233.5     -0.1722 mg/L       0.04330     -0.1722 mg/L       0.04330  25.15%
   QC value within limits for Na 588.995  Recovery = Not calculated
Na 589.592†             -27.8    -0.00575 mg/L      0.020513    -0.00575 mg/L      0.020513 356.58%
   QC value within limits for Na 589.592  Recovery = Not calculated
Ni 221.648†               1.4     0.00120 mg/L      0.000202     0.00120 mg/L      0.000202  16.83%
   QC value within limits for Ni 221.648  Recovery = Not calculated
Ni 231.604†               0.0     0.00003 mg/L      0.000458     0.00003 mg/L      0.000458 >999.9%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Ni 232.003†               3.1     0.00032 mg/L      0.001264     0.00032 mg/L      0.001264 391.53%
   QC value within limits for Ni 232.003  Recovery = Not calculated
P 213.617†               -10.0    -0.00574 mg/L      0.001066    -0.00574 mg/L      0.001066  18.57%
P 214.914†                -3.0    -0.00196 mg/L      0.006303    -0.00196 mg/L      0.006303 321.98%
Pb 217.000†               0.5     0.00041 mg/L      0.003957     0.00041 mg/L      0.003957 972.08%
   QC value within limits for Pb 217.000  Recovery = Not calculated
Pb 220.353†               -5.5    -0.00090 mg/L      0.001010    -0.00090 mg/L      0.001010 112.19%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 206.836†               0.9     0.00044 mg/L      0.001588     0.00044 mg/L      0.001588 356.93%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Sb 217.582†               6.4     0.00272 mg/L      0.003204     0.00272 mg/L      0.003204 117.97%
   QC value within limits for Sb 217.582  Recovery = Not calculated
Se 196.026†               3.6     0.00348 mg/L      0.003967     0.00348 mg/L      0.003967 113.88%
   QC value within limits for Se 196.026  Recovery = Not calculated
Se 203.985†               3.9     0.00709 mg/L      0.004531     0.00709 mg/L      0.004531  63.88%
   QC value within limits for Se 203.985  Recovery = Not calculated
Si 251.611†              38.9     0.00342 mg/L      0.000409     0.00342 mg/L      0.000409  11.94%
Si 288.158†              32.7     0.00745 mg/L      0.004672     0.00745 mg/L      0.004672  62.72%
Si 252.851†               2.6     0.00892 mg/L      0.015139     0.00892 mg/L      0.015139 169.63%
Sn 235.485†              -5.2    -0.00490 mg/L      0.002110    -0.00490 mg/L      0.002110  43.06%
   QC value within limits for Sn 235.485  Recovery = Not calculated
Sn 189.927†               3.3     0.00106 mg/L      0.000620     0.00106 mg/L      0.000620  58.54%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Sr 460.733†            -164.0      -1.150 mg/L        0.7244      -1.150 mg/L        0.7244  62.99%
   QC value within limits for Sr 460.733  Recovery = Not calculated
Sr 407.771†             -72.9    -0.00007 mg/L      0.000073    -0.00007 mg/L      0.000073 101.89%
   QC value within limits for Sr 407.771  Recovery = Not calculated
Sr 421.552†             -25.2    -0.00008 mg/L      0.000129    -0.00008 mg/L      0.000129 168.77%
   QC value within limits for Sr 421.552  Recovery = Not calculated
Ti 337.279†              -5.5    -0.00022 mg/L      0.000304    -0.00022 mg/L      0.000304 135.84%
   QC value within limits for Ti 337.279  Recovery = Not calculated
Ti 334.940†               0.1     0.00001 mg/L      0.000216     0.00001 mg/L      0.000216 >999.9%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Ti 336.121†              30.8     0.00146 mg/L      0.000607     0.00146 mg/L      0.000607  41.60%
   QC value within limits for Ti 336.121  Recovery = Not calculated
Tl 351.924†            -107.3    -0.03147 mg/L      0.019526    -0.03147 mg/L      0.019526  62.05%
   QC value within limits for Tl 351.924  Recovery = Not calculated
Tl 190.801†               0.5     0.00049 mg/L      0.000996     0.00049 mg/L      0.000996 204.45%
   QC value within limits for Tl 190.801  Recovery = Not calculated
Tl 276.787†               1.2     0.00053 mg/L      0.004730     0.00053 mg/L      0.004730 891.24%
   QC value within limits for Tl 276.787  Recovery = Not calculated
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V 310.230†	35.9	0.00193 mg/L	0.001093	0.00193 mg/L	0.001093	56.67%
QC value within limits for V 310.230 Recovery = Not calculated						
V 292.402†	-3.6	-0.00005 mg/L	0.000134	-0.00005 mg/L	0.000134	280.13%
V 311.071†	-24.2	-0.00020 mg/L	0.000231	-0.00020 mg/L	0.000231	115.66%
Zn 206.200†	0.5	0.00055 mg/L	0.002332	0.00055 mg/L	0.002332	426.65%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Zn 213.857†	-0.9	-0.00028 mg/L	0.000208	-0.00028 mg/L	0.000208	74.41%
QC value within limits for Zn 213.857 Recovery = Not calculated						
Zn 202.548†	-1.3	-0.00059 mg/L	0.000744	-0.00059 mg/L	0.000744	126.45%
QC value within limits for Zn 202.548 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 12 **Autosampler Location: 2**
Sample ID: LCM1 **Date Collected: 6/15/2005 10:02:51 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: LCM1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	506875.5						9200.40	1.82%
Y 360.073	3128075.7						36936.67	1.18%
Ag 328.068†	20075.5	0.1567	mg/L	0.00223	0.1567	mg/L	0.00223	1.42%
Ag 338.289†	6474.2	0.1521	mg/L	0.00247	0.1521	mg/L	0.00247	1.62%
Al 308.215†	924.2	1.016	mg/L	0.0295	1.016	mg/L	0.0295	2.90%
QC value within limits for Al 308.215 Recovery = 101.58%								
Al 394.401†	1867.4	1.122	mg/L	0.0171	1.122	mg/L	0.0171	1.53%
QC value greater than the upper limit for Al 394.401 Recovery = 112.20%								
Al 396.153†	5342.2	1.042	mg/L	0.0201	1.042	mg/L	0.0201	1.93%
QC value within limits for Al 396.153 Recovery = 104.16%								
As 188.979†	1876.9	1.965	mg/L	0.0244	1.965	mg/L	0.0244	1.24%
QC value within limits for As 188.979 Recovery = 98.24%								
As 193.696†	2648.6	1.994	mg/L	0.0195	1.994	mg/L	0.0195	0.98%
QC value within limits for As 193.696 Recovery = 99.72%								
As 197.197†	37.9	1.975	mg/L	0.0531	1.975	mg/L	0.0531	2.69%
QC value within limits for As 197.197 Recovery = 98.75%								
B 208.889†	156.7	0.9254	mg/L	0.04182	0.9254	mg/L	0.04182	4.52%
QC value within limits for B 208.889 Recovery = 92.54%								
B 249.677†	1846.2	0.9137	mg/L	0.02562	0.9137	mg/L	0.02562	2.80%
QC value within limits for B 249.677 Recovery = 91.37%								
B 249.772†	3886.7	0.9092	mg/L	0.02020	0.9092	mg/L	0.02020	2.22%
QC value within limits for B 249.772 Recovery = 90.92%								
Ba 233.527†	4716.5	0.9661	mg/L	0.01243	0.9661	mg/L	0.01243	1.29%
QC value within limits for Ba 233.527 Recovery = 96.61%								
Ba 455.403†	211282.6	0.9856	mg/L	0.00062	0.9856	mg/L	0.00062	0.06%
QC value within limits for Ba 455.403 Recovery = 98.56%								
Ba 493.408†	280076.1	0.9881	mg/L	0.00089	0.9881	mg/L	0.00089	0.09%
QC value within limits for Ba 493.408 Recovery = 98.81%								
Be 234.861†	39763.7	0.9718	mg/L	0.01733	0.9718	mg/L	0.01733	1.78%
QC value within limits for Be 234.861 Recovery = 97.18%								
Be 313.042†	374764.9	0.9835	mg/L	0.00123	0.9835	mg/L	0.00123	0.12%
QC value within limits for Be 313.042 Recovery = 98.35%								
Be 313.107†	151553.1	0.9816	mg/L	0.00172	0.9816	mg/L	0.00172	0.18%
QC value within limits for Be 313.107 Recovery = 98.16%								
Ca 315.887†	4702.6	1.067	mg/L	0.0230	1.067	mg/L	0.0230	2.16%
QC value within limits for Ca 315.887 Recovery = 106.73%								
Ca 317.933†	10928.3	0.9826	mg/L	0.02208	0.9826	mg/L	0.02208	2.25%
QC value within limits for Ca 317.933 Recovery = 98.26%								
Cd 214.440†	75022.4	0.9858	mg/L	0.01406	0.9858	mg/L	0.01406	1.43%
QC value within limits for Cd 214.440 Recovery = 98.58%								
Cd 226.502†	42925.9	0.9817	mg/L	0.01517	0.9817	mg/L	0.01517	1.54%
QC value within limits for Cd 226.502 Recovery = 98.17%								
Cd 228.802†	2058.5	0.9129	mg/L	0.02047	0.9129	mg/L	0.02047	2.24%
QC value within limits for Cd 228.802 Recovery = 91.29%								
Ce 413.380†	2723.2	1.038	mg/L	0.0340	1.038	mg/L	0.0340	3.28%
QC value within limits for Ce 413.380 Recovery = 103.79%								
Ce 413.764†	3050.2	1.019	mg/L	0.0251	1.019	mg/L	0.0251	2.46%
QC value within limits for Ce 413.764 Recovery = 101.92%								
Ce 418.660†	3883.9	1.023	mg/L	0.0305	1.023	mg/L	0.0305	2.98%

QC value within limits for Ce 418.660 Recovery = 102.31%

Co 228.616†	26655.2	0.9591 mg/L	0.01414	0.9591 mg/L	0.01414	1.47%

QC value within limits for Co 228.616 Recovery = 95.91%

Co 230.786†	21224.4	0.9657 mg/L	0.01663	0.9657 mg/L	0.01663	1.72%

QC value within limits for Co 230.786 Recovery = 96.57%

Co 238.892†	3109.1	1.059 mg/L	0.0256	1.059 mg/L	0.0256	2.42%

QC value within limits for Co 238.892 Recovery = 105.87%

Cr 205.560†	514.5	0.9598 mg/L	0.02027	0.9598 mg/L	0.02027	2.11%

QC value within limits for Cr 205.560 Recovery = 95.98%

Cr 267.716†	47682.8	0.9397 mg/L	0.01315	0.9397 mg/L	0.01315	1.40%

QC value within limits for Cr 267.716 Recovery = 93.97%

Cr 283.563†	144581.7	1.011 mg/L	0.0156	1.011 mg/L	0.0156	1.55%

QC value within limits for Cr 283.563 Recovery = 101.06%

Cu 224.700†	672.1	1.002 mg/L	0.0248	1.002 mg/L	0.0248	2.48%

QC value within limits for Cu 224.700 Recovery = 100.22%

Cu 324.752†	209164.6	0.9800 mg/L	0.01619	0.9800 mg/L	0.01619	1.65%

QC value within limits for Cu 324.752 Recovery = 98.00%

Cu 327.393†	81556.2	0.9493 mg/L	0.01669	0.9493 mg/L	0.01669	1.76%

QC value within limits for Cu 327.393 Recovery = 94.93%

Fe 238.204†	6760.7	1.011 mg/L	0.0148	1.011 mg/L	0.0148	1.47%

QC value within limits for Fe 238.204 Recovery = 101.12%

Fe 239.562†	4886.9	1.010 mg/L	0.0216	1.010 mg/L	0.0216	2.14%

QC value within limits for Fe 239.562 Recovery = 100.98%

Fe 259.939†	6477.6	1.015 mg/L	0.0131	1.015 mg/L	0.0131	1.29%

QC value within limits for Fe 259.939 Recovery = 101.53%

Fe 273.955†	1261.8	1.097 mg/L	0.0243	1.097 mg/L	0.0243	2.21%

QC value within limits for Fe 273.955 Recovery = 109.66%

K 766.490†	15400.5	5.482 mg/L	0.2451	5.482 mg/L	0.2451	4.47%

QC value within limits for K 766.490 Recovery = 109.63%

Li 610.362†	8708.3	1.200 mg/L	0.0643	1.200 mg/L	0.0643	5.36%

QC value greater than the upper limit for Li 610.362 Recovery = 120.04%

Li 670.784†	63069.7	1.079 mg/L	0.0231	1.079 mg/L	0.0231	2.14%

QC value within limits for Li 670.784 Recovery = 107.87%

Mg 279.077†	781.0	1.047 mg/L	0.0160	1.047 mg/L	0.0160	1.52%

QC value within limits for Mg 279.077 Recovery = 104.72%

Mg 280.271†	171664.9	0.9938 mg/L	0.00338	0.9938 mg/L	0.00338	0.34%

QC value within limits for Mg 280.271 Recovery = 99.38%

Mg 285.213†	18596.2	1.044 mg/L	0.0181	1.044 mg/L	0.0181	1.73%

QC value within limits for Mg 285.213 Recovery = 104.40%

Mn 257.610†	28131.6	0.9754 mg/L	0.01500	0.9754 mg/L	0.01500	1.54%

QC value within limits for Mn 257.610 Recovery = 97.54%

Mn 259.372†	37092.9	0.9527 mg/L	0.01574	0.9527 mg/L	0.01574	1.65%

QC value within limits for Mn 259.372 Recovery = 95.27%

Mn 260.568†	16897.4	0.9666 mg/L	0.01649	0.9666 mg/L	0.01649	1.71%

QC value within limits for Mn 260.568 Recovery = 96.66%

Mo 202.031†	10811.7	0.9895 mg/L	0.01735	0.9895 mg/L	0.01735	1.75%

QC value within limits for Mo 202.031 Recovery = 98.95%

Mo 203.845†	173.4	0.9980 mg/L	0.04244	0.9980 mg/L	0.04244	4.25%

QC value within limits for Mo 203.845 Recovery = 99.80%

Mo 204.597†	6071.4	1.019 mg/L	0.0098	1.019 mg/L	0.0098	0.96%

QC value within limits for Mo 204.597 Recovery = 101.92%

Na 588.995†	6533.3	0.9218 mg/L	0.12891	0.9218 mg/L	0.12891	13.99%
Na 589.592†	4095.5	0.9662 mg/L	0.02716	0.9662 mg/L	0.02716	2.81%
Ni 221.648†	1182.9	1.016 mg/L	0.0233	1.016 mg/L	0.0233	2.30%

QC value within limits for Ni 221.648 Recovery = 101.55%

Ni 231.604†	25513.3	0.9880 mg/L	0.01464	0.9880 mg/L	0.01464	1.48%

QC value within limits for Ni 231.604 Recovery = 98.80%

Ni 232.003†	11760.5	1.000 mg/L	0.0167	1.000 mg/L	0.0167	1.67%

QC value within limits for Ni 232.003 Recovery = 100.05%

P 213.617†	8710.4	5.113 mg/L	0.0486	5.113 mg/L	0.0486	0.95%
P 214.914†	7346.3	5.111 mg/L	0.0568	5.111 mg/L	0.0568	1.11%
Pb 217.000†	3004.0	2.027 mg/L	0.0236	2.027 mg/L	0.0236	1.16%

QC value within limits for Pb 217.000 Recovery = 101.33%

Pb 220.353†	12177.2	1.954 mg/L	0.0267	1.954 mg/L	0.0267	1.37%

QC value within limits for Pb 220.353 Recovery = 97.70%

Sb 206.836†	4365.0	1.921 mg/L	0.0183	1.921 mg/L	0.0183	0.95%

QC value within limits for Sb 206.836 Recovery = 96.05%

Sb 217.582†	4822.0	1.986 mg/L	0.0208	1.986 mg/L	0.0208	1.05%

QC value within limits for Sb 217.582 Recovery = 99.29%

Se 196.026†	1022.7	0.9995 mg/L	0.01410	0.9995 mg/L	0.01410	1.41%

QC value within limits for Se 196.026 Recovery = 99.95%

Se 203.985†	696.1	0.9214 mg/L	0.00189	0.9214 mg/L	0.00189	0.21%

QC value within limits for Se 203.985 Recovery = 92.14%							
Si 251.611†	72235.8	4.810 mg/L	0.0884	4.810 mg/L	0.0884	1.84%	
Si 288.158†	24401.9	4.864 mg/L	0.0733	4.864 mg/L	0.0733	1.51%	
Si 252.851†	2474.1	5.191 mg/L	0.1811	5.191 mg/L	0.1811	3.49%	
Sn 235.485†	11280.1	4.649 mg/L	0.0905	4.649 mg/L	0.0905	1.95%	
QC value within limits for Sn 235.485 Recovery = 92.99%							
Sn 189.927†	14684.4	4.878 mg/L	0.0717	4.878 mg/L	0.0717	1.47%	
QC value within limits for Sn 189.927 Recovery = 97.56%							
Sr 460.733†	-769.9	-5.411 mg/L	0.3271	-5.411 mg/L	0.3271	6.05%	
QC value less than the lower limit for Sr 460.733 Recovery = -541.08%							
Sr 407.771†	996693.0	0.9873 mg/L	0.00144	0.9873 mg/L	0.00144	0.15%	
QC value within limits for Sr 407.771 Recovery = 98.73%							
Sr 421.552†	323031.9	0.9852 mg/L	0.00179	0.9852 mg/L	0.00179	0.18%	
QC value within limits for Sr 421.552 Recovery = 98.52%							
Ti 337.279†	24950.5	1.015 mg/L	0.0173	1.015 mg/L	0.0173	1.71%	
QC value within limits for Ti 337.279 Recovery = 101.48%							
Ti 334.940†	35160.0	1.013 mg/L	0.0160	1.013 mg/L	0.0160	1.58%	
QC value within limits for Ti 334.940 Recovery = 101.27%							
Ti 336.121†	21921.4	1.024 mg/L	0.0158	1.024 mg/L	0.0158	1.54%	
QC value within limits for Ti 336.121 Recovery = 102.43%							
Tl 351.924†	18923.0	4.961 mg/L	0.0941	4.961 mg/L	0.0941	1.90%	
QC value within limits for Tl 351.924 Recovery = 99.21%							
Tl 190.801†	5941.7	5.180 mg/L	0.0543	5.180 mg/L	0.0543	1.05%	
QC value within limits for Tl 190.801 Recovery = 103.60%							
Tl 276.787†	9315.6	4.376 mg/L	0.0697	4.376 mg/L	0.0697	1.59%	
QC value less than the lower limit for Tl 276.787 Recovery = 87.53%							
V 310.230†	19939.1	1.023 mg/L	0.0184	1.023 mg/L	0.0184	1.80%	
QC value within limits for V 310.230 Recovery = 102.33%							
V 292.402†	79033.4	0.9621 mg/L	0.01481	0.9621 mg/L	0.01481	1.54%	
V 311.071†	129807.4	1.006 mg/L	0.0158	1.006 mg/L	0.0158	1.57%	
Zn 206.200†	925.8	0.9324 mg/L	0.02161	0.9324 mg/L	0.02161	2.32%	
QC value within limits for Zn 206.200 Recovery = 93.24%							
Zn 213.857†	2512.2	0.9394 mg/L	0.02188	0.9394 mg/L	0.02188	2.33%	
QC value within limits for Zn 213.857 Recovery = 93.94%							
Zn 202.548†	1831.8	0.9359 mg/L	0.02265	0.9359 mg/L	0.02265	2.42%	
QC value within limits for Zn 202.548 Recovery = 93.59%							

QC Failed. Continue with analysis.

Sequence No.: 13 **Autosampler Location: 3**
Sample ID: LCM2 **Date Collected: 6/15/2005 10:07:05 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: LCM2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	463744.7						6350.98	1.37%
Y 360.073	3145160.4						54249.95	1.72%
Ag 328.068†	7020.1	0.05253	mg/L	0.000724	0.05253	mg/L	0.000724	1.38%
QC value within limits for Ag 328.068 Recovery = 105.06%								
Ag 338.289†	2401.9	0.05304	mg/L	0.001712	0.05304	mg/L	0.001712	3.23%
QC value within limits for Ag 338.289 Recovery = 106.08%								
Al 308.215†	69.7	0.07989	mg/L	0.012225	0.07989	mg/L	0.012225	15.30%
Al 394.401†	98.9	0.06953	mg/L	0.002741	0.06953	mg/L	0.002741	3.94%
Al 396.153†	-61.5	-0.01194	mg/L	0.002901	-0.01194	mg/L	0.002901	24.30%
As 188.979†	-0.8	-0.00049	mg/L	0.002545	-0.00049	mg/L	0.002545	522.49%
As 193.696†	8.5	0.00660	mg/L	0.003016	0.00660	mg/L	0.003016	45.72%
As 197.197†	2.4	0.1252	mg/L	0.10353	0.1252	mg/L	0.10353	82.70%
B 208.889†	6.1	0.03651	mg/L	0.004338	0.03651	mg/L	0.004338	11.88%
B 249.677†	43.8	0.02195	mg/L	0.005791	0.02195	mg/L	0.005791	26.38%
B 249.772†	104.0	0.02443	mg/L	0.002204	0.02443	mg/L	0.002204	9.02%
Ba 233.527†	-9.5	-0.00188	mg/L	0.000862	-0.00188	mg/L	0.000862	45.95%
Ba 455.403†	313.8	0.00154	mg/L	0.001104	0.00154	mg/L	0.001104	71.91%
Ba 493.408†	146.0	0.00059	mg/L	0.001074	0.00059	mg/L	0.001074	183.36%
Be 234.861†	-3.4	-0.00009	mg/L	0.000168	-0.00009	mg/L	0.000168	193.47%
Be 313.042†	41.0	0.00010	mg/L	0.000073	0.00010	mg/L	0.000073	76.22%
Be 313.107†	53.3	0.00034	mg/L	0.000057	0.00034	mg/L	0.000057	16.76%
Ca 315.887†	197.3	0.04477	mg/L	0.004785	0.04477	mg/L	0.004785	10.69%
Ca 317.933†	578.0	0.05340	mg/L	0.005748	0.05340	mg/L	0.005748	10.77%

Cd 214.440†	9.4	0.00023 mg/L	0.000016	0.00023 mg/L	0.000016	6.92%
Cd 226.502†	-3.1	-0.00007 mg/L	0.000195	-0.00007 mg/L	0.000195	274.69%
Cd 228.802†	4.9	0.00215 mg/L	0.001678	0.00215 mg/L	0.001678	77.90%
Ce 413.380†	-13.4	-0.00500 mg/L	0.004789	-0.00500 mg/L	0.004789	95.81%
Ce 413.764†	51.3	0.01745 mg/L	0.018825	0.01745 mg/L	0.018825	107.89%
Ce 418.660†	-153.8	-0.04055 mg/L	0.018197	-0.04055 mg/L	0.018197	44.88%
Co 228.616†	31.8	0.00115 mg/L	0.000103	0.00115 mg/L	0.000103	8.97%
Co 230.786†	344.0	0.01573 mg/L	0.001445	0.01573 mg/L	0.001445	9.19%
Co 238.892†	-11.9	-0.00414 mg/L	0.001643	-0.00414 mg/L	0.001643	39.68%
Cr 205.560†	3.1	0.00579 mg/L	0.001740	0.00579 mg/L	0.001740	30.03%
Cr 267.716†	274.5	0.00545 mg/L	0.000348	0.00545 mg/L	0.000348	6.39%
Cr 283.563†	-157.0	-0.00106 mg/L	0.000494	-0.00106 mg/L	0.000494	46.50%
Cu 224.700†	-4.4	-0.00582 mg/L	0.003205	-0.00582 mg/L	0.003205	55.04%
Cu 324.752†	108.2	0.00058 mg/L	0.000175	0.00058 mg/L	0.000175	30.18%
Cu 327.393†	116.7	0.00140 mg/L	0.000458	0.00140 mg/L	0.000458	32.62%
Fe 238.204†	204.1	0.03090 mg/L	0.000470	0.03090 mg/L	0.000470	1.52%
Fe 239.562†	145.9	0.03057 mg/L	0.001429	0.03057 mg/L	0.001429	4.68%
Fe 259.939†	185.3	0.02942 mg/L	0.001116	0.02942 mg/L	0.001116	3.79%
Fe 273.955†	38.0	0.03356 mg/L	0.003657	0.03356 mg/L	0.003657	10.90%
K 766.490†	13967.3	4.972 mg/L	0.2107	4.972 mg/L	0.2107	4.24%
Li 610.362†	16602.0	2.288 mg/L	0.0675	2.288 mg/L	0.0675	2.95%
Li 670.784†	-62.1	-0.00106 mg/L	0.006519	-0.00106 mg/L	0.006519	614.10%
Mg 279.077†	9.5	0.01297 mg/L	0.010426	0.01297 mg/L	0.010426	80.36%
Mg 280.271†	2691.4	0.01571 mg/L	0.000374	0.01571 mg/L	0.000374	2.38%
Mg 285.213†	267.4	0.01515 mg/L	0.000380	0.01515 mg/L	0.000380	2.51%
Mn 257.610†	4.3	0.00016 mg/L	0.000199	0.00016 mg/L	0.000199	124.07%
Mn 259.372†	31.2	0.00078 mg/L	0.000253	0.00078 mg/L	0.000253	32.44%
Mn 260.568†	13.3	0.00078 mg/L	0.000289	0.00078 mg/L	0.000289	37.24%
Mo 202.031†	10.7	0.00102 mg/L	0.000350	0.00102 mg/L	0.000350	34.42%
Mo 203.845†	0.1	0.00069 mg/L	0.008538	0.00069 mg/L	0.008538	>999.9%
Mo 204.597†	0.4	0.00005 mg/L	0.000143	0.00005 mg/L	0.000143	277.55%
Na 588.995†	20528.5	2.913 mg/L	0.0770	2.913 mg/L	0.0770	2.64%
Na 589.592†	123.9	0.03041 mg/L	0.008747	0.03041 mg/L	0.008747	28.77%
Ni 221.648†	4.7	0.00403 mg/L	0.002494	0.00403 mg/L	0.002494	61.95%
Ni 231.604†	88.0	0.00344 mg/L	0.000289	0.00344 mg/L	0.000289	8.39%
Ni 232.003†	22.3	0.00178 mg/L	0.000760	0.00178 mg/L	0.000760	42.67%
P 213.617†	5.8	0.00370 mg/L	0.002626	0.00370 mg/L	0.002626	70.94%
P 214.914†	15.7	0.01104 mg/L	0.004478	0.01104 mg/L	0.004478	40.55%
Pb 217.000†	-5.1	-0.00343 mg/L	0.003403	-0.00343 mg/L	0.003403	99.08%
Pb 220.353†	28.0	0.00450 mg/L	0.002105	0.00450 mg/L	0.002105	46.75%
Sb 206.836†	4.5	0.00196 mg/L	0.000947	0.00196 mg/L	0.000947	48.33%
Sb 217.582†	11.3	0.00471 mg/L	0.002171	0.00471 mg/L	0.002171	46.08%
Se 196.026†	1.1	0.00102 mg/L	0.001096	0.00102 mg/L	0.001096	107.34%
Se 203.985†	4.5	0.00629 mg/L	0.003664	0.00629 mg/L	0.003664	58.23%
Si 251.611†	845.6	0.05751 mg/L	0.000649	0.05751 mg/L	0.000649	1.13%
Si 288.158†	253.9	0.05174 mg/L	0.003743	0.05174 mg/L	0.003743	7.23%
Si 252.851†	26.8	0.07703 mg/L	0.046999	0.07703 mg/L	0.046999	61.01%
Sn 235.485†	9.8	-0.00728 mg/L	0.002519	-0.00728 mg/L	0.002519	34.61%
Sn 189.927†	10.3	0.00339 mg/L	0.001261	0.00339 mg/L	0.001261	37.22%
Sr 460.733†	-180.4	-1.265 mg/L	0.7189	-1.265 mg/L	0.7189	56.82%
Sr 407.771†	422.2	0.00042 mg/L	0.000102	0.00042 mg/L	0.000102	24.41%
Sr 421.552†	249.3	0.00076 mg/L	0.000044	0.00076 mg/L	0.000044	5.74%
Ti 337.279†	13.4	0.00054 mg/L	0.000577	0.00054 mg/L	0.000577	106.56%
Ti 334.940†	48.7	0.00140 mg/L	0.000163	0.00140 mg/L	0.000163	11.61%
Ti 336.121†	52.5	0.00248 mg/L	0.001078	0.00248 mg/L	0.001078	43.52%
Tl 351.924†	233.3	0.05841 mg/L	0.012008	0.05841 mg/L	0.012008	20.56%
Tl 190.801†	2.1	0.00177 mg/L	0.002903	0.00177 mg/L	0.002903	163.71%
Tl 276.787†	11.5	0.00539 mg/L	0.004797	0.00539 mg/L	0.004797	88.99%
V 310.230†	244.4	0.01266 mg/L	0.001696	0.01266 mg/L	0.001696	13.39%
V 292.402†	126.9	0.00154 mg/L	0.000426	0.00154 mg/L	0.000426	27.70%
V 311.071†	105.0	0.00080 mg/L	0.000335	0.00080 mg/L	0.000335	42.11%
Zn 206.200†	5.6	0.00569 mg/L	0.002235	0.00569 mg/L	0.002235	39.26%
Zn 213.857†	14.9	0.00565 mg/L	0.000107	0.00565 mg/L	0.000107	1.89%
Zn 202.548†	12.5	0.00654 mg/L	0.000482	0.00654 mg/L	0.000482	7.36%

All analyte(s) passed QC.

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

Autosampler Location: 4
Date Collected: 6/15/2005 10:11:14 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: HiLCM

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	478125.1						13089.36	2.74%
Y 360.073	2871123.9						46238.15	1.61%
Ag 328.068†	-65.9	0.00042	mg/L	0.000082	0.00042	mg/L	0.000082	19.75%
Ag 338.289†	-61.3	-0.00208	mg/L	0.000366	-0.00208	mg/L	0.000366	17.56%
Al 308.215†	87113.2	99.29	mg/L	1.327	99.29	mg/L	1.327	1.34%
QC value within limits for Al 308.215 Recovery = 99.29%								
Al 394.401†	145855.3	95.86	mg/L	0.329	95.86	mg/L	0.329	0.34%
Al 396.153†	502485.1	103.3	mg/L	0.21	103.3	mg/L	0.21	0.21%
As 188.979†	-24.4	-0.02603	mg/L	0.004091	-0.02603	mg/L	0.004091	15.71%
As 193.696†	-75.8	-0.01786	mg/L	0.004124	-0.01786	mg/L	0.004124	23.09%
As 197.197†	-3.5	-0.2081	mg/L	0.06529	-0.2081	mg/L	0.06529	31.38%
B 208.889†	14.6	0.06290	mg/L	0.013421	0.06290	mg/L	0.013421	21.34%
B 249.677†	11.5	0.01134	mg/L	0.002381	0.01134	mg/L	0.002381	20.98%
B 249.772†	566.2	0.03995	mg/L	0.005013	0.03995	mg/L	0.005013	12.55%
Ba 233.527†	3.9	-0.00125	mg/L	0.001176	-0.00125	mg/L	0.001176	93.91%
Ba 455.403†	160.2	0.00047	mg/L	0.000094	0.00047	mg/L	0.000094	19.72%
Ba 493.408†	396.3	0.00054	mg/L	0.000218	0.00054	mg/L	0.000218	39.96%
Be 234.861†	586.2	0.00309	mg/L	0.001026	0.00309	mg/L	0.001026	33.24%
Be 313.042†	-22.8	-0.00004	mg/L	0.000016	-0.00004	mg/L	0.000016	41.91%
Be 313.107†	-33.4	-0.00003	mg/L	0.000129	-0.00003	mg/L	0.000129	442.93%
Ca 315.887†	449412.5	102.0	mg/L	0.20	102.0	mg/L	0.20	0.20%
QC value within limits for Ca 315.887 Recovery = 101.99%								
Ca 317.933†	1019767.4	92.69	mg/L	0.144	92.69	mg/L	0.144	0.16%
Cd 214.440†	396.3	-0.00042	mg/L	0.000114	-0.00042	mg/L	0.000114	27.41%
Cd 226.502†	245.7	-0.00184	mg/L	0.000167	-0.00184	mg/L	0.000167	9.07%
Cd 228.802†	2.5	0.00059	mg/L	0.000609	0.00059	mg/L	0.000609	102.52%
Ce 413.380†	103.9	0.01532	mg/L	0.013056	0.01532	mg/L	0.013056	85.23%
Ce 413.764†	-43.2	-0.02985	mg/L	0.008416	-0.02985	mg/L	0.008416	28.19%
Ce 418.660†	-67.5	-0.02017	mg/L	0.007331	-0.02017	mg/L	0.007331	36.34%
Co 228.616†	-16.4	-0.00139	mg/L	0.000235	-0.00139	mg/L	0.000235	16.92%
Co 230.786†	1154.9	0.02432	mg/L	0.001961	0.02432	mg/L	0.001961	8.06%
Co 238.892†	784.6	0.02315	mg/L	0.006549	0.02315	mg/L	0.006549	28.29%
Cr 205.560†	-2.7	-0.00516	mg/L	0.003285	-0.00516	mg/L	0.003285	63.66%
Cr 267.716†	946.6	0.01161	mg/L	0.000709	0.01161	mg/L	0.000709	6.11%
Cr 283.563†	3251.0	-0.02610	mg/L	0.000481	-0.02610	mg/L	0.000481	1.84%
Cu 224.700†	42.7	0.01070	mg/L	0.005618	0.01070	mg/L	0.005618	52.53%
Cu 324.752†	1091.8	0.00178	mg/L	0.000434	0.00178	mg/L	0.000434	24.39%
Cu 327.393†	58.9	-0.00136	mg/L	0.000960	-0.00136	mg/L	0.000960	70.74%
Fe 238.204†	634170.9	95.26	mg/L	0.182	95.26	mg/L	0.182	0.19%
Fe 239.562†	460808.7	95.74	mg/L	0.173	95.74	mg/L	0.173	0.18%
Fe 259.939†	606534.0	95.51	mg/L	0.182	95.51	mg/L	0.182	0.19%
Fe 273.955†	115339.2	100.9	mg/L	0.15	100.9	mg/L	0.15	0.15%
QC value within limits for Fe 273.955 Recovery = 100.90%								
K 766.490†	285878.6	101.8	mg/L	0.66	101.8	mg/L	0.66	0.65%
QC value within limits for K 766.490 Recovery = 101.76%								
Li 610.362†	2842.5	0.3918	mg/L	0.21133	0.3918	mg/L	0.21133	53.94%
Li 670.784†	181.4	0.00310	mg/L	0.002059	0.00310	mg/L	0.002059	66.35%
Mg 279.077†	43646.8	58.57	mg/L	0.802	58.57	mg/L	0.802	1.37%
QC value within limits for Mg 279.077 Recovery = 97.61%								
Mg 280.271†	9299145.6	53.93	mg/L	1.354	53.93	mg/L	1.354	2.51%
Mg 285.213†	1064251.7	59.78	mg/L	0.139	59.78	mg/L	0.139	0.23%
Mn 257.610†	28.6	-0.00198	mg/L	0.000739	-0.00198	mg/L	0.000739	37.39%
Mn 259.372†	4340.8	-0.00896	mg/L	0.001040	-0.00896	mg/L	0.001040	11.61%
Mn 260.568†	70.6	-0.00192	mg/L	0.000334	-0.00192	mg/L	0.000334	17.40%
Mo 202.031†	8.0	0.00408	mg/L	0.000600	0.00408	mg/L	0.000600	14.69%
Mo 203.845†	4.6	0.01608	mg/L	0.007145	0.01608	mg/L	0.007145	44.43%
Mo 204.597†	33.2	0.00077	mg/L	0.000877	0.00077	mg/L	0.000877	113.46%
Na 588.995†	707934.1	100.4	mg/L	0.40	100.4	mg/L	0.40	0.40%
Na 589.592†	395172.7	93.95	mg/L	0.027	93.95	mg/L	0.027	0.03%
QC value within limits for Na 589.592 Recovery = 93.95%								
Ni 221.648†	0.3	-0.00420	mg/L	0.003691	-0.00420	mg/L	0.003691	87.93%
Ni 231.604†	91.6	0.00029	mg/L	0.000129	0.00029	mg/L	0.000129	44.15%
Ni 232.003†	-709.4	-0.02069	mg/L	0.005008	-0.02069	mg/L	0.005008	24.20%
P 213.617†	-30.0	0.01127	mg/L	0.004901	0.01127	mg/L	0.004901	43.49%
P 214.914†	93.6	0.00844	mg/L	0.005331	0.00844	mg/L	0.005331	63.19%
Pb 217.000†	247.9	0.02798	mg/L	0.007084	0.02798	mg/L	0.007084	25.32%
Pb 220.353†	8.4	0.01270	mg/L	0.002513	0.01270	mg/L	0.002513	19.79%

Sb 206.836†	-6.6	-0.00848	mg/L	0.002832	-0.00848	mg/L	0.002832	33.39%
Sb 217.582†	58.0	0.01184	mg/L	0.002348	0.01184	mg/L	0.002348	19.84%
Se 196.026†	-18.7	0.00261	mg/L	0.002055	0.00261	mg/L	0.002055	78.71%
Se 203.985†	135.2	0.2526	mg/L	0.00756	0.2526	mg/L	0.00756	2.99%
Si 251.611†	774.7	0.04280	mg/L	0.001537	0.04280	mg/L	0.001537	3.59%
Si 288.158†	291.6	0.04517	mg/L	0.004939	0.04517	mg/L	0.004939	10.93%
Si 252.851†	-15.1	-0.06124	mg/L	0.005636	-0.06124	mg/L	0.005636	9.20%
Sn 235.485†	15337.2	-21.69	mg/L	0.105	-21.69	mg/L	0.105	0.49%
Sn 189.927†	-72.4	-0.02084	mg/L	0.001443	-0.02084	mg/L	0.001443	6.92%
Sr 460.733†	-140.7	-1.002	mg/L	0.3664	-1.002	mg/L	0.3664	36.58%
Sr 407.771†	961.3	-0.00089	mg/L	0.000056	-0.00089	mg/L	0.000056	6.31%
Sr 421.552†	328.7	-0.00099	mg/L	0.000281	-0.00099	mg/L	0.000281	28.43%
Ti 337.279†	55.8	-0.00309	mg/L	0.000657	-0.00309	mg/L	0.000657	21.25%
Ti 334.940†	-222.6	-0.00671	mg/L	0.000305	-0.00671	mg/L	0.000305	4.55%
Ti 336.121†	59.3	-0.00224	mg/L	0.000155	-0.00224	mg/L	0.000155	6.93%
Tl 351.924†	67.5	-0.00095	mg/L	0.005790	-0.00095	mg/L	0.005790	610.15%
Tl 190.801†	-8.1	-0.00512	mg/L	0.002709	-0.00512	mg/L	0.002709	52.90%
Tl 276.787†	5997.7	2.408	mg/L	0.0629	2.408	mg/L	0.0629	2.61%
V 310.230†	108.4	0.00607	mg/L	0.003104	0.00607	mg/L	0.003104	51.18%
V 292.402†	323.0	-0.00139	mg/L	0.000081	-0.00139	mg/L	0.000081	5.83%
V 311.071†	-995.1	-0.00749	mg/L	0.000271	-0.00749	mg/L	0.000271	3.62%
Zn 206.200†	16.2	0.01023	mg/L	0.001001	0.01023	mg/L	0.001001	9.78%
Zn 213.857†	61.6	0.00965	mg/L	0.001131	0.00965	mg/L	0.001131	11.72%
Zn 202.548†	27.2	0.00583	mg/L	0.002643	0.00583	mg/L	0.002643	45.32%

All analyte(s) passed QC.

Sequence No.: 15 **Autosampler Location: 18**
Sample ID: wash **Date Collected: 6/15/2005 10:15:31 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: wash

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	519942.3						2909.88	0.56%
Y 360.073	3109216.2						43941.62	1.41%
Ag 328.068†	60.2	0.00033	mg/L	0.000091	0.00033	mg/L	0.000091	27.26%
Ag 338.289†	-71.8	-0.00172	mg/L	0.001225	-0.00172	mg/L	0.001225	71.24%
Al 308.215†	-12.9	-0.01427	mg/L	0.009482	-0.01427	mg/L	0.009482	66.44%
Al 394.401†	26.4	0.01982	mg/L	0.004860	0.01982	mg/L	0.004860	24.51%
Al 396.153†	22.1	0.00523	mg/L	0.019403	0.00523	mg/L	0.019403	370.91%
As 188.979†	-2.9	-0.00281	mg/L	0.001030	-0.00281	mg/L	0.001030	36.66%
As 193.696†	0.9	0.00083	mg/L	0.003408	0.00083	mg/L	0.003408	412.24%
As 197.197†	0.1	0.00442	mg/L	0.099903	0.00442	mg/L	0.099903	>999.9%
B 208.889†	2.7	0.01591	mg/L	0.028218	0.01591	mg/L	0.028218	177.38%
B 249.677†	-0.9	-0.00033	mg/L	0.002120	-0.00033	mg/L	0.002120	651.13%
B 249.772†	5.2	0.00127	mg/L	0.000261	0.00127	mg/L	0.000261	20.57%
Ba 233.527†	-3.9	-0.00076	mg/L	0.000562	-0.00076	mg/L	0.000562	74.07%
Ba 455.403†	102.6	0.00053	mg/L	0.000103	0.00053	mg/L	0.000103	19.66%
Ba 493.408†	6.2	0.00007	mg/L	0.000669	0.00007	mg/L	0.000669	979.33%
Be 234.861†	0.9	0.00002	mg/L	0.000052	0.00002	mg/L	0.000052	280.19%
Be 313.042†	-58.7	-0.00015	mg/L	0.000012	-0.00015	mg/L	0.000012	7.72%
Be 313.107†	-47.3	-0.00031	mg/L	0.000069	-0.00031	mg/L	0.000069	22.29%
Ca 315.887†	56.8	0.01288	mg/L	0.011181	0.01288	mg/L	0.011181	86.78%
Ca 317.933†	251.5	0.02344	mg/L	0.004920	0.02344	mg/L	0.004920	20.99%
Cd 214.440†	-9.5	-0.00005	mg/L	0.000094	-0.00005	mg/L	0.000094	171.28%
Cd 226.502†	13.4	0.00031	mg/L	0.000084	0.00031	mg/L	0.000084	27.49%
Cd 228.802†	-1.2	-0.00054	mg/L	0.000563	-0.00054	mg/L	0.000563	104.03%
Ce 413.380†	58.7	0.02254	mg/L	0.018527	0.02254	mg/L	0.018527	82.21%
Ce 413.764†	-4.3	-0.00129	mg/L	0.010371	-0.00129	mg/L	0.010371	804.13%
Ce 418.660†	-80.8	-0.02132	mg/L	0.007572	-0.02132	mg/L	0.007572	35.52%
Co 228.616†	4.2	0.00015	mg/L	0.000214	0.00015	mg/L	0.000214	139.94%
Co 230.786†	-46.1	-0.00208	mg/L	0.001090	-0.00208	mg/L	0.001090	52.40%
Co 238.892†	-3.6	-0.00127	mg/L	0.001572	-0.00127	mg/L	0.001572	124.16%
Cr 205.560†	-0.4	-0.00074	mg/L	0.005510	-0.00074	mg/L	0.005510	749.28%
Cr 267.716†	-0.1	0.00002	mg/L	0.000082	0.00002	mg/L	0.000082	355.28%
Cr 283.563†	-335.6	-0.00233	mg/L	0.000661	-0.00233	mg/L	0.000661	28.41%
Cu 224.700†	-3.3	-0.00443	mg/L	0.005340	-0.00443	mg/L	0.005340	120.59%
Cu 324.752†	320.5	0.00155	mg/L	0.000771	0.00155	mg/L	0.000771	49.62%

Cu 327.393†	-106.8	-0.00121 mg/L	0.000664	-0.00121 mg/L	0.000664	54.70%
Fe 238.204†	80.2	0.01221 mg/L	0.006964	0.01221 mg/L	0.006964	57.05%
Fe 239.562†	60.7	0.01279 mg/L	0.007589	0.01279 mg/L	0.007589	59.33%
Fe 259.939†	78.6	0.01255 mg/L	0.007340	0.01255 mg/L	0.007340	58.50%
Fe 273.955†	17.4	0.01546 mg/L	0.007412	0.01546 mg/L	0.007412	47.94%
K 766.490†	-282.0	-0.1004 mg/L	0.16347	-0.1004 mg/L	0.16347	162.86%
Li 610.362†	-591.9	-0.08158 mg/L	0.090236	-0.08158 mg/L	0.090236	110.60%
Li 670.784†	170.8	0.00292 mg/L	0.002891	0.00292 mg/L	0.002891	98.99%
Mg 279.077†	9.5	0.01286 mg/L	0.011595	0.01286 mg/L	0.011595	90.15%
Mg 280.271†	1490.4	0.00871 mg/L	0.005613	0.00871 mg/L	0.005613	64.43%
Mg 285.213†	168.2	0.00953 mg/L	0.005705	0.00953 mg/L	0.005705	59.88%
Mn 257.610†	2.6	0.00010 mg/L	0.000097	0.00010 mg/L	0.000097	96.83%
Mn 259.372†	0.6	0.00003 mg/L	0.000157	0.00003 mg/L	0.000157	497.96%
Mn 260.568†	1.0	0.00007 mg/L	0.000274	0.00007 mg/L	0.000274	418.81%
Mo 202.031†	5.6	0.00054 mg/L	0.000299	0.00054 mg/L	0.000299	55.60%
Mo 203.845†	-0.8	-0.00472 mg/L	0.010764	-0.00472 mg/L	0.010764	227.82%
Mo 204.597†	0.9	0.00013 mg/L	0.000220	0.00013 mg/L	0.000220	162.70%
Na 588.995†	-1558.5	-0.2190 mg/L	0.10317	-0.2190 mg/L	0.10317	47.10%
Na 589.592†	45.0	0.01135 mg/L	0.025936	0.01135 mg/L	0.025936	228.61%
Ni 221.648†	2.0	0.00172 mg/L	0.002385	0.00172 mg/L	0.002385	138.59%
Ni 231.604†	-0.9	-0.00002 mg/L	0.000207	-0.00002 mg/L	0.000207	>999.9%
Ni 232.003†	3.7	0.00039 mg/L	0.001158	0.00039 mg/L	0.001158	296.15%
P 213.617†	-11.8	-0.00674 mg/L	0.003022	-0.00674 mg/L	0.003022	44.84%
P 214.914†	-5.0	-0.00337 mg/L	0.000711	-0.00337 mg/L	0.000711	21.12%
Pb 217.000†	0.9	0.00070 mg/L	0.001785	0.00070 mg/L	0.001785	253.38%
Pb 220.353†	1.0	0.00016 mg/L	0.001907	0.00016 mg/L	0.001907	>999.9%
Sb 206.836†	-3.7	-0.00158 mg/L	0.000749	-0.00158 mg/L	0.000749	47.31%
Sb 217.582†	10.7	0.00447 mg/L	0.001326	0.00447 mg/L	0.001326	29.65%
Se 196.026†	1.0	0.00089 mg/L	0.006332	0.00089 mg/L	0.006332	711.77%
Se 203.985†	1.6	0.00308 mg/L	0.008037	0.00308 mg/L	0.008037	261.07%
Si 251.611†	251.5	0.01753 mg/L	0.000140	0.01753 mg/L	0.000140	0.80%
Si 288.158†	116.7	0.02398 mg/L	0.003223	0.02398 mg/L	0.003223	13.44%
Si 252.851†	4.8	0.01699 mg/L	0.022974	0.01699 mg/L	0.022974	135.25%
Sn 235.485†	18.9	0.00260 mg/L	0.003376	0.00260 mg/L	0.003376	130.02%
Sn 189.927†	4.8	0.00157 mg/L	0.000813	0.00157 mg/L	0.000813	51.88%
Sr 460.733†	-116.6	-0.8176 mg/L	0.78816	-0.8176 mg/L	0.78816	96.40%
Sr 407.771†	-72.0	-0.00007 mg/L	0.000065	-0.00007 mg/L	0.000065	92.32%
Sr 421.552†	-19.7	-0.00006 mg/L	0.000086	-0.00006 mg/L	0.000086	143.27%
Ti 337.279†	-4.2	-0.00017 mg/L	0.000355	-0.00017 mg/L	0.000355	205.96%
Ti 334.940†	2.1	0.00006 mg/L	0.000158	0.00006 mg/L	0.000158	254.14%
Ti 336.121†	27.3	0.00129 mg/L	0.001625	0.00129 mg/L	0.001625	126.01%
Tl 351.924†	-73.1	-0.02139 mg/L	0.030305	-0.02139 mg/L	0.030305	141.68%
Tl 190.801†	-2.1	-0.00182 mg/L	0.003000	-0.00182 mg/L	0.003000	165.04%
Tl 276.787†	3.5	0.00150 mg/L	0.000293	0.00150 mg/L	0.000293	19.51%
V 310.230†	8.5	0.00050 mg/L	0.000919	0.00050 mg/L	0.000919	182.49%
V 292.402†	-4.7	-0.00007 mg/L	0.000179	-0.00007 mg/L	0.000179	246.57%
V 311.071†	-7.0	-0.00006 mg/L	0.000136	-0.00006 mg/L	0.000136	221.00%
Zn 206.200†	0.4	0.00044 mg/L	0.000794	0.00044 mg/L	0.000794	179.27%
Zn 213.857†	-1.4	-0.00051 mg/L	0.000328	-0.00051 mg/L	0.000328	64.87%
Zn 202.548†	-0.6	-0.00022 mg/L	0.000777	-0.00022 mg/L	0.000777	345.53%

Sequence No.: 16
Sample ID: RLC
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/15/2005 10:19:41 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: RLC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	526214.8						1033.79	0.20%
Y 360.073	3070358.2						61275.39	2.00%
Ag 328.068†	584.5	0.00499	mg/L	0.000454	0.00499	mg/L	0.000454	9.10%
Ag 338.289†	157.3	0.00335	mg/L	0.001309	0.00335	mg/L	0.001309	39.11%
Al 308.215†	130.0	0.1484	mg/L	0.00780	0.1484	mg/L	0.00780	5.26%
Al 394.401†	261.0	0.1622	mg/L	0.00193	0.1622	mg/L	0.00193	1.19%
Al 396.153†	775.5	0.1592	mg/L	0.00236	0.1592	mg/L	0.00236	1.48%
As 188.979†	11.8	0.01272	mg/L	0.004005	0.01272	mg/L	0.004005	31.49%
As 193.696†	21.3	0.01666	mg/L	0.002400	0.01666	mg/L	0.002400	14.41%
As 197.197†	0.1	0.00318	mg/L	0.036941	0.00318	mg/L	0.036941	>999.9%

B 208.889†	16.8	0.09969 mg/L	0.004346	0.09969 mg/L	0.004346	4.36%
B 249.677†	171.4	0.08529 mg/L	0.002667	0.08529 mg/L	0.002667	3.13%
[illegible] 249.772†	382.3	0.08962 mg/L	0.001064	0.08962 mg/L	0.001064	1.19%
[illegible]a 233.527†	9.9	0.00209 mg/L	0.000627	0.00209 mg/L	0.000627	29.96%
Ba 455.403†	941.2	0.00445 mg/L	0.000903	0.00445 mg/L	0.000903	20.28%
Ba 493.408†	1004.1	0.00361 mg/L	0.001261	0.00361 mg/L	0.001261	34.93%
Be 234.861†	41.5	0.00101 mg/L	0.000044	0.00101 mg/L	0.000044	4.39%
Be 313.042†	341.5	0.00088 mg/L	0.000033	0.00088 mg/L	0.000033	3.71%
Be 313.107†	139.9	0.00090 mg/L	0.000122	0.00090 mg/L	0.000122	13.60%
Ca 315.887†	483.4	0.1097 mg/L	0.00389	0.1097 mg/L	0.00389	3.55%
Ca 317.933†	1178.7	0.1078 mg/L	0.00385	0.1078 mg/L	0.00385	3.57%
Cd 214.440†	73.4	0.00106 mg/L	0.000065	0.00106 mg/L	0.000065	6.09%
Cd 226.502†	53.0	0.00120 mg/L	0.000144	0.00120 mg/L	0.000144	11.97%
Cd 228.802†	3.3	0.00139 mg/L	0.001210	0.00139 mg/L	0.001210	87.24%
Ce 413.380†	314.9	0.1204 mg/L	0.01900	0.1204 mg/L	0.01900	15.78%
Ce 413.764†	344.0	0.1156 mg/L	0.02141	0.1156 mg/L	0.02141	18.52%
Ce 418.660†	396.5	0.1042 mg/L	0.01937	0.1042 mg/L	0.01937	18.60%
Co 228.616†	59.7	0.00215 mg/L	0.000459	0.00215 mg/L	0.000459	21.34%
Co 230.786†	30.9	0.00141 mg/L	0.001149	0.00141 mg/L	0.001149	81.72%
Co 238.892†	2.8	0.00085 mg/L	0.000492	0.00085 mg/L	0.000492	57.68%
Cr 205.560†	0.8	0.00143 mg/L	0.002351	0.00143 mg/L	0.002351	164.35%
Cr 267.716†	289.2	0.00573 mg/L	0.000405	0.00573 mg/L	0.000405	7.07%
Cr 283.563†	541.2	0.00369 mg/L	0.000215	0.00369 mg/L	0.000215	5.82%
Cu 224.700†	-0.3	0.00027 mg/L	0.002153	0.00027 mg/L	0.002153	804.28%
Cu 324.752†	1382.4	0.00655 mg/L	0.000549	0.00655 mg/L	0.000549	8.38%
Cu 327.393†	416.3	0.00489 mg/L	0.000908	0.00489 mg/L	0.000908	18.57%
Fe 238.204†	227.7	0.03436 mg/L	0.001020	0.03436 mg/L	0.001020	2.97%
Fe 239.562†	169.4	0.03534 mg/L	0.000016	0.03534 mg/L	0.000016	0.05%
Fe 259.939†	216.0	0.03416 mg/L	0.000317	0.03416 mg/L	0.000317	0.93%
Fe 273.955†	46.2	0.04054 mg/L	0.003174	0.04054 mg/L	0.003174	7.83%
K 766.490†	5196.7	1.850 mg/L	0.0528	1.850 mg/L	0.0528	2.86%
Li 610.362†	-1491.2	-0.2056 mg/L	0.02491	-0.2056 mg/L	0.02491	12.12%
Li 670.784†	1639.5	0.02804 mg/L	0.001391	0.02804 mg/L	0.001391	4.96%
Mg 279.077†	25.2	0.03397 mg/L	0.005108	0.03397 mg/L	0.005108	15.04%
Mg 280.271†	5390.6	0.03133 mg/L	0.000364	0.03133 mg/L	0.000364	1.16%
Mg 285.213†	601.3	0.03386 mg/L	0.000718	0.03386 mg/L	0.000718	2.12%
Mn 257.610†	31.1	0.00108 mg/L	0.000083	0.00108 mg/L	0.000083	7.69%
Mn 259.372†	39.7	0.00097 mg/L	0.000225	0.00097 mg/L	0.000225	23.28%
Mn 260.568†	19.3	0.00111 mg/L	0.000103	0.00111 mg/L	0.000103	9.34%
Mo 202.031†	47.1	0.00435 mg/L	0.000293	0.00435 mg/L	0.000293	6.74%
Mo 203.845†	0.8	0.00474 mg/L	0.010077	0.00474 mg/L	0.010077	212.74%
Mo 204.597†	25.2	0.00420 mg/L	0.000307	0.00420 mg/L	0.000307	7.31%
Na 588.995†	207.5	0.03194 mg/L	0.023753	0.03194 mg/L	0.023753	74.37%
Na 589.592†	1768.4	0.4212 mg/L	0.03052	0.4212 mg/L	0.03052	7.25%
Ni 221.648†	5.0	0.00428 mg/L	0.000287	0.00428 mg/L	0.000287	6.71%
Ni 231.604†	71.4	0.00279 mg/L	0.000546	0.00279 mg/L	0.000546	19.58%
Ni 232.003†	29.9	0.00259 mg/L	0.000547	0.00259 mg/L	0.000547	21.13%
P 213.617†	5.5	0.00314 mg/L	0.003343	0.00314 mg/L	0.003343	106.46%
P 214.914†	6.2	0.00440 mg/L	0.005089	0.00440 mg/L	0.005089	115.67%
Pb 217.000†	25.8	0.01712 mg/L	0.004007	0.01712 mg/L	0.004007	23.41%
Pb 220.353†	102.1	0.01635 mg/L	0.000717	0.01635 mg/L	0.000717	4.39%
Sb 206.836†	47.4	0.02102 mg/L	0.005189	0.02102 mg/L	0.005189	24.68%
Sb 217.582†	63.3	0.02617 mg/L	0.002777	0.02617 mg/L	0.002777	10.61%
Se 196.026†	33.0	0.03224 mg/L	0.006666	0.03224 mg/L	0.006666	20.68%
Se 203.985†	24.3	0.04148 mg/L	0.010612	0.04148 mg/L	0.010612	25.58%
Si 251.611†	570.3	0.03878 mg/L	0.001028	0.03878 mg/L	0.001028	2.65%
Si 288.158†	216.0	0.04372 mg/L	0.004723	0.04372 mg/L	0.004723	10.80%
Si 252.851†	12.4	0.02114 mg/L	0.005797	0.02114 mg/L	0.005797	27.42%
Sn 235.485†	56.0	0.01112 mg/L	0.004681	0.01112 mg/L	0.004681	42.10%
Sn 189.927†	35.9	0.01189 mg/L	0.000700	0.01189 mg/L	0.000700	5.89%
Sr 460.733†	-172.8	-1.213 mg/L	0.3656	-1.213 mg/L	0.3656	30.15%
Sr 407.771†	1376.0	0.00136 mg/L	0.000132	0.00136 mg/L	0.000132	9.70%
Sr 421.552†	438.4	0.00133 mg/L	0.000063	0.00133 mg/L	0.000063	4.70%
Ti 337.279†	155.5	0.00632 mg/L	0.000328	0.00632 mg/L	0.000328	5.19%
Ti 334.940†	219.6	0.00632 mg/L	0.000240	0.00632 mg/L	0.000240	3.80%
Ti 336.121†	144.7	0.00678 mg/L	0.000818	0.00678 mg/L	0.000818	12.07%
[illegible] 351.924†	23.4	0.00117 mg/L	0.003884	0.00117 mg/L	0.003884	333.06%
Tl 190.801†	22.4	0.01986 mg/L	0.002184	0.01986 mg/L	0.002184	11.00%
Tl 276.787†	45.4	0.02150 mg/L	0.004732	0.02150 mg/L	0.004732	22.00%
V 310.230†	116.5	0.00601 mg/L	0.000910	0.00601 mg/L	0.000910	15.15%
V 292.402†	527.1	0.00640 mg/L	0.000088	0.00640 mg/L	0.000088	1.38%
V 311.071†	790.5	0.00615 mg/L	0.000280	0.00615 mg/L	0.000280	4.56%

Zn 206.200†	42.0	0.04242	mg/L	0.000914	0.04242	mg/L	0.000914	2.15%
Zn 213.857†	105.8	0.03990	mg/L	0.001115	0.03990	mg/L	0.001115	2.79%
Zn 202.548†	79.0	0.04080	mg/L	0.000201	0.04080	mg/L	0.000201	0.49%

Sequence No.: 17
Sample ID: SIC1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 6/15/2005 10:23:49 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: SIC1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	540562.3						4205.85	0.78%
Y 360.073	3221681.7						39433.94	1.22%
Ag 328.068†	-331.6	-0.00089	mg/L	0.000187	-0.00089	mg/L	0.000187	21.08%
Ag 338.289†	-144.9	-0.00375	mg/L	0.001343	-0.00375	mg/L	0.001343	35.79%
Al 308.215†	89.3	-0.03979	mg/L	0.008439	-0.03979	mg/L	0.008439	21.21%
Al 394.401†	6.6	0.00370	mg/L	0.000831	0.00370	mg/L	0.000831	22.43%
Al 396.153†	-35.0	-0.01169	mg/L	0.022601	-0.01169	mg/L	0.022601	193.30%
As 188.979†	0.5	-0.00676	mg/L	0.001445	-0.00676	mg/L	0.001445	21.37%
As 193.696†	6.8	-0.00448	mg/L	0.001288	-0.00448	mg/L	0.001288	28.74%
As 197.197†	1.6	0.00818	mg/L	0.116479	0.00818	mg/L	0.116479	>999.9%
B 208.889†	-1.7	-0.01265	mg/L	0.014582	-0.01265	mg/L	0.014582	115.30%
B 249.677†	35.4	-0.00311	mg/L	0.002281	-0.00311	mg/L	0.002281	73.45%
B 249.772†	-40.5	-0.00034	mg/L	0.001061	-0.00034	mg/L	0.001061	310.14%
Ba 233.527†	7.9	-0.00363	mg/L	0.000633	-0.00363	mg/L	0.000633	17.43%
Ba 455.403†	-28.3	-0.00026	mg/L	0.000770	-0.00026	mg/L	0.000770	292.72%
Ba 493.408†	61.4	-0.00019	mg/L	0.000452	-0.00019	mg/L	0.000452	239.98%
Be 234.861†	-0.6	0.00003	mg/L	0.000060	0.00003	mg/L	0.000060	225.20%
Be 313.042†	3119.4	-0.00385	mg/L	0.000075	-0.00385	mg/L	0.000075	1.95%
Be 313.107†	-37.1	-0.00006	mg/L	0.000060	-0.00006	mg/L	0.000060	95.33%
Ca 315.887†	142.1	0.03224	mg/L	0.002286	0.03224	mg/L	0.002286	7.09%
Ca 317.933†	370.1	0.01152	mg/L	0.003175	0.01152	mg/L	0.003175	27.57%
Cd 214.440†	-19.5	0.00016	mg/L	0.000206	0.00016	mg/L	0.000206	129.26%
Cd 226.502†	1.3	0.00028	mg/L	0.000103	0.00028	mg/L	0.000103	37.12%
Cd 228.802†	7.0	0.00076	mg/L	0.000880	0.00076	mg/L	0.000880	116.11%
Ce 413.380†	-22.1	-0.01757	mg/L	0.019760	-0.01757	mg/L	0.019760	112.43%
Ce 413.764†	26.3	0.00222	mg/L	0.009277	0.00222	mg/L	0.009277	418.69%
Ce 418.660†	-82.2	-0.02003	mg/L	0.011535	-0.02003	mg/L	0.011535	57.60%
Co 228.616†	273536.7	9.862	mg/L	0.0688	9.862	mg/L	0.0688	0.70%
Co 230.786†	217748.2	9.936	mg/L	0.0650	9.936	mg/L	0.0650	0.65%
Co 238.892†	30322.0	10.34	mg/L	0.057	10.34	mg/L	0.057	0.55%
Cr 205.560†	-0.2	-0.00155	mg/L	0.001320	-0.00155	mg/L	0.001320	85.20%
Cr 267.716†	36.5	-0.00138	mg/L	0.000315	-0.00138	mg/L	0.000315	22.84%
Cr 283.563†	-279.5	-0.00258	mg/L	0.000243	-0.00258	mg/L	0.000243	9.43%
Cu 224.700†	-4.0	-0.00586	mg/L	0.003251	-0.00586	mg/L	0.003251	55.48%
Cu 324.752†	-426.0	-0.00171	mg/L	0.000178	-0.00171	mg/L	0.000178	10.45%
Cu 327.393†	265.9	0.00059	mg/L	0.000456	0.00059	mg/L	0.000456	77.91%
Fe 238.204†	6.0	-0.00261	mg/L	0.001395	-0.00261	mg/L	0.001395	53.48%
Fe 239.562†	47.4	0.00047	mg/L	0.003787	0.00047	mg/L	0.003787	813.56%
Fe 259.939†	12.0	-0.00339	mg/L	0.001288	-0.00339	mg/L	0.001288	38.02%
Fe 273.955†	27.6	0.00535	mg/L	0.004117	0.00535	mg/L	0.004117	76.93%
K 766.490†	-2549.7	-0.9076	mg/L	0.10770	-0.9076	mg/L	0.10770	11.87%
Li 610.362†	-2845.6	-0.3922	mg/L	0.04368	-0.3922	mg/L	0.04368	11.14%
Li 670.784†	219.7	0.00376	mg/L	0.002218	0.00376	mg/L	0.002218	59.00%
Mg 279.077†	6.2	0.01032	mg/L	0.003264	0.01032	mg/L	0.003264	31.61%
Mg 280.271†	957.8	0.00072	mg/L	0.000891	0.00072	mg/L	0.000891	124.16%
Mg 285.213†	39.2	0.00506	mg/L	0.000632	0.00506	mg/L	0.000632	12.47%
Mn 257.610†	4.6	-0.00001	mg/L	0.000256	-0.00001	mg/L	0.000256	>999.9%
Mn 259.372†	1.4	-0.00042	mg/L	0.000357	-0.00042	mg/L	0.000357	85.49%
Mn 260.568†	117.5	-0.00178	mg/L	0.000344	-0.00178	mg/L	0.000344	19.35%
Mo 202.031†	0.7	0.00040	mg/L	0.000152	0.00040	mg/L	0.000152	37.74%
Mo 203.845†	0.5	0.00285	mg/L	0.005072	0.00285	mg/L	0.005072	177.94%
Mo 204.597†	8.2	-0.00008	mg/L	0.000439	-0.00008	mg/L	0.000439	539.69%
Na 588.995†	-4041.9	-0.5996	mg/L	0.05091	-0.5996	mg/L	0.05091	8.49%
Na 589.592†	39.4	-0.00457	mg/L	0.001761	-0.00457	mg/L	0.001761	38.50%
Ni 221.648†	4.6	0.00205	mg/L	0.001614	0.00205	mg/L	0.001614	78.66%
Ni 231.604†	135.0	0.00123	mg/L	0.000321	0.00123	mg/L	0.000321	26.06%
Ni 232.003†	-4.5	0.00007	mg/L	0.001076	0.00007	mg/L	0.001076	>999.9%

P 213.617†	-60.8	0.00489	mg/L	0.003519	0.00489	mg/L	0.003519	71.90%
P 214.914†	-7.3	0.00345	mg/L	0.002450	0.00345	mg/L	0.002450	71.10%
Pb 217.000†	-3.1	-0.01223	mg/L	0.003253	-0.01223	mg/L	0.003253	26.59%
Pb 220.353†	-14.3	-0.00492	mg/L	0.000881	-0.00492	mg/L	0.000881	17.91%
Sb 206.836†	4.4	0.00314	mg/L	0.002375	0.00314	mg/L	0.002375	75.65%
Sb 217.582†	74.0	0.00627	mg/L	0.001368	0.00627	mg/L	0.001368	21.83%
Se 196.026†	-2.8	-0.00094	mg/L	0.007335	-0.00094	mg/L	0.007335	780.70%
Se 203.985†	12.5	0.00898	mg/L	0.007259	0.00898	mg/L	0.007259	80.85%
Si 251.611†	420.3	0.00621	mg/L	0.001652	0.00621	mg/L	0.001652	26.61%
Si 288.158†	128.6	0.00949	mg/L	0.004789	0.00949	mg/L	0.004789	50.45%
Si 252.851†	3878.3	0.7826	mg/L	0.04588	0.7826	mg/L	0.04588	5.86%
Sn 235.485†	-94.1	-0.02045	mg/L	0.004992	-0.02045	mg/L	0.004992	24.41%
Sn 189.927†	4.0	0.00142	mg/L	0.000604	0.00142	mg/L	0.000604	42.58%
Sr 460.733†	-120.5	-0.8560	mg/L	0.16071	-0.8560	mg/L	0.16071	18.77%
Sr 407.771†	128.5	0.00005	mg/L	0.000019	0.00005	mg/L	0.000019	37.22%
Sr 421.552†	-82.5	-0.00032	mg/L	0.000107	-0.00032	mg/L	0.000107	33.88%
Ti 337.279†	-26.6	0.00025	mg/L	0.000408	0.00025	mg/L	0.000408	161.46%
Ti 334.940†	4.0	0.00004	mg/L	0.000144	0.00004	mg/L	0.000144	363.22%
Ti 336.121†	-2.7	-0.00033	mg/L	0.000956	-0.00033	mg/L	0.000956	292.86%
Tl 351.924†	39.1	-0.02108	mg/L	0.007516	-0.02108	mg/L	0.007516	35.66%
Tl 190.801†	43.6	-0.02546	mg/L	0.001756	-0.02546	mg/L	0.001756	6.90%
Tl 276.787†	-1407.6	-0.4639	mg/L	0.02391	-0.4639	mg/L	0.02391	5.15%
V 310.230†	205856.7	10.57	mg/L	0.035	10.57	mg/L	0.035	0.33%
V 292.402†	828330.1	10.07	mg/L	0.065	10.07	mg/L	0.065	0.65%
V 311.071†	1339886.9	10.46	mg/L	0.082	10.46	mg/L	0.082	0.78%
Zn 206.200†	4.6	0.00323	mg/L	0.001103	0.00323	mg/L	0.001103	34.13%
Zn 213.857†	12.0	0.00400	mg/L	0.000591	0.00400	mg/L	0.000591	14.76%
Zn 202.548†	9.1	0.00299	mg/L	0.001296	0.00299	mg/L	0.001296	43.36%

Sequence No.: 18
Sample ID: SIC2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 6/15/2005 10:27:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: SIC2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	523642.1						8939.44	1.71%
Y 360.073	3099139.0						38339.49	1.24%
Ag 328.068†	-8773.5	-0.00487	mg/L	0.000884	-0.00487	mg/L	0.000884	18.14%
Ag 338.289†	4.0	-0.01166	mg/L	0.001564	-0.01166	mg/L	0.001564	13.41%
Al 308.215†	35.8	0.05322	mg/L	0.010193	0.05322	mg/L	0.010193	19.15%
Al 394.401†	2551.1	0.6951	mg/L	0.01070	0.6951	mg/L	0.01070	1.54%
Al 396.153†	321.2	0.04051	mg/L	0.005796	0.04051	mg/L	0.005796	14.31%
As 188.979†	-1.4	0.01581	mg/L	0.003575	0.01581	mg/L	0.003575	22.61%
As 193.696†	-65.3	0.00065	mg/L	0.000457	0.00065	mg/L	0.000457	70.71%
As 197.197†	1.0	0.02599	mg/L	0.074471	0.02599	mg/L	0.074471	286.55%
B 208.889†	1.5	0.02074	mg/L	0.005639	0.02074	mg/L	0.005639	27.18%
B 249.677†	7.5	0.01087	mg/L	0.000507	0.01087	mg/L	0.000507	4.66%
B 249.772†	0.4	0.00724	mg/L	0.001560	0.00724	mg/L	0.001560	21.54%
Ba 233.527†	-11.7	0.00139	mg/L	0.000026	0.00139	mg/L	0.000026	1.90%
Ba 455.403†	267.1	0.00422	mg/L	0.000425	0.00422	mg/L	0.000425	10.05%
Ba 493.408†	213.7	0.00436	mg/L	0.000343	0.00436	mg/L	0.000343	7.89%
Be 234.861†	0.0	-0.00005	mg/L	0.000110	-0.00005	mg/L	0.000110	228.11%
Be 313.042†	390.7	0.00001	mg/L	0.000064	0.00001	mg/L	0.000064	430.21%
Be 313.107†	62.5	-0.00031	mg/L	0.000052	-0.00031	mg/L	0.000052	16.80%
Ca 315.887†	216.1	0.04904	mg/L	0.002191	0.04904	mg/L	0.002191	4.47%
Ca 317.933†	452.2	0.07223	mg/L	0.006355	0.07223	mg/L	0.006355	8.80%
Cd 214.440†	-2.3	0.00544	mg/L	0.000021	0.00544	mg/L	0.000021	0.38%
Cd 226.502†	40.3	0.00044	mg/L	0.000301	0.00044	mg/L	0.000301	68.87%
Cd 228.802†	-0.3	-0.00036	mg/L	0.000971	-0.00036	mg/L	0.000971	270.52%
Ce 413.380†	28276.9	10.81	mg/L	0.017	10.81	mg/L	0.017	0.15%
Ce 413.764†	32687.8	10.97	mg/L	0.034	10.97	mg/L	0.034	0.31%
Ce 418.660†	40668.1	10.69	mg/L	0.048	10.69	mg/L	0.048	0.45%
Co 228.616†	62.3	0.00320	mg/L	0.000160	0.00320	mg/L	0.000160	4.99%
Co 230.786†	39.2	0.00212	mg/L	0.001079	0.00212	mg/L	0.001079	50.84%
Co 238.892†	7.0	0.00222	mg/L	0.001057	0.00222	mg/L	0.001057	47.53%
Cr 205.560†	-0.1	0.00188	mg/L	0.004291	0.00188	mg/L	0.004291	227.76%
Cr 267.716†	18.3	0.00177	mg/L	0.000348	0.00177	mg/L	0.000348	19.69%

Cr 283.563†	1388.3	0.00088 mg/L	0.000546	0.00088 mg/L	0.000546	62.15%
Cu 224.700†	-4.3	0.03537 mg/L	0.003039	0.03537 mg/L	0.003039	8.59%
Cu 324.752†	-30.0	0.00390 mg/L	0.000410	0.00390 mg/L	0.000410	10.52%
Cu 327.393†	50.5	0.00324 mg/L	0.000992	0.00324 mg/L	0.000992	30.63%
Fe 238.204†	52.3	0.01618 mg/L	0.000806	0.01618 mg/L	0.000806	4.98%
Fe 239.562†	50.1	0.01795 mg/L	0.000347	0.01795 mg/L	0.000347	1.93%
Fe 259.939†	61.8	0.01671 mg/L	0.001471	0.01671 mg/L	0.001471	8.81%
Fe 273.955†	13.9	0.01803 mg/L	0.003160	0.01803 mg/L	0.003160	17.52%
K 766.490†	-1033.3	-0.3678 mg/L	0.27996	-0.3678 mg/L	0.27996	76.12%
Li 610.362†	-1527.5	-0.2106 mg/L	0.11842	-0.2106 mg/L	0.11842	56.24%
Li 670.784†	281.2	0.00481 mg/L	0.000872	0.00481 mg/L	0.000872	18.13%
Mg 279.077†	10.6	0.02078 mg/L	0.015462	0.02078 mg/L	0.015462	74.42%
Mg 280.271†	1464.9	0.01207 mg/L	0.000280	0.01207 mg/L	0.000280	2.32%
Mg 285.213†	182.7	0.01389 mg/L	0.000529	0.01389 mg/L	0.000529	3.81%
Mn 257.610†	5.9	0.00063 mg/L	0.000076	0.00063 mg/L	0.000076	12.07%
Mn 259.372†	10.7	0.00073 mg/L	0.000313	0.00073 mg/L	0.000313	42.70%
Mn 260.568†	3.7	0.00080 mg/L	0.000127	0.00080 mg/L	0.000127	15.75%
Mo 202.031†	5.1	0.00264 mg/L	0.000644	0.00264 mg/L	0.000644	24.37%
Mo 203.845†	0.7	0.00879 mg/L	0.009809	0.00879 mg/L	0.009809	111.60%
Mo 204.597†	8.1	-0.00031 mg/L	0.000082	-0.00031 mg/L	0.000082	26.10%
Na 588.995†	-2614.3	-0.2467 mg/L	0.15430	-0.2467 mg/L	0.15430	62.54%
Na 589.592†	77.6	0.04553 mg/L	0.005554	0.04553 mg/L	0.005554	12.20%
Ni 221.648†	-1.5	-0.00016 mg/L	0.000939	-0.00016 mg/L	0.000939	580.44%
Ni 231.604†	3.5	0.00157 mg/L	0.000294	0.00157 mg/L	0.000294	18.72%
Ni 232.003†	10.1	0.00100 mg/L	0.000627	0.00100 mg/L	0.000627	62.41%
P 213.617†	-4.0	-0.00748 mg/L	0.004739	-0.00748 mg/L	0.004739	63.37%
P 214.914†	-26.4	-0.00532 mg/L	0.003978	-0.00532 mg/L	0.003978	74.77%
Pb 217.000†	23.3	0.00084 mg/L	0.001725	0.00084 mg/L	0.001725	205.83%
Pb 220.353†	53.8	0.00424 mg/L	0.001100	0.00424 mg/L	0.001100	25.94%
Sb 206.836†	-32.3	-0.00362 mg/L	0.001474	-0.00362 mg/L	0.001474	40.72%
Sb 217.582†	11.7	0.00891 mg/L	0.003172	0.00891 mg/L	0.003172	35.58%
Se 196.026†	-15.6	-0.00835 mg/L	0.003278	-0.00835 mg/L	0.003278	39.27%
Se 203.985†	13.2	0.00408 mg/L	0.004263	0.00408 mg/L	0.004263	104.40%
Si 251.611†	1104.6	0.1084 mg/L	0.00184	0.1084 mg/L	0.00184	1.69%
Si 288.158†	513.8	0.1246 mg/L	0.00195	0.1246 mg/L	0.00195	1.57%
Si 252.851†	19.7	0.08477 mg/L	0.018398	0.08477 mg/L	0.018398	21.70%
Sn 235.485†	42.8	-0.09789 mg/L	0.004735	-0.09789 mg/L	0.004735	4.84%
Sn 189.927†	8.0	-0.00043 mg/L	0.000742	-0.00043 mg/L	0.000742	172.45%
Sr 460.733†	-9072.5	-63.69 mg/L	0.461	-63.69 mg/L	0.461	0.72%
Sr 407.771†	3562.6	0.00319 mg/L	0.000050	0.00319 mg/L	0.000050	1.56%
Sr 421.552†	64.5	-0.00008 mg/L	0.000178	-0.00008 mg/L	0.000178	236.98%
Ti 337.279†	15.8	0.00072 mg/L	0.000151	0.00072 mg/L	0.000151	20.93%
Ti 334.940†	36.5	0.00089 mg/L	0.000234	0.00089 mg/L	0.000234	26.32%
Ti 336.121†	54.2	0.00348 mg/L	0.000208	0.00348 mg/L	0.000208	5.99%
Tl 351.924†	2421.7	0.3078 mg/L	0.00618	0.3078 mg/L	0.00618	2.01%
Tl 190.801†	-9.2	0.02322 mg/L	0.001177	0.02322 mg/L	0.001177	5.07%
Tl 276.787†	-40.2	0.00982 mg/L	0.003954	0.00982 mg/L	0.003954	40.28%
V 310.230†	183.4	0.00826 mg/L	0.001307	0.00826 mg/L	0.001307	15.82%
V 292.402†	297.9	0.00280 mg/L	0.000403	0.00280 mg/L	0.000403	14.37%
V 311.071†	-98.2	0.00189 mg/L	0.000310	0.00189 mg/L	0.000310	16.38%
Zn 206.200†	3.8	0.00625 mg/L	0.001333	0.00625 mg/L	0.001333	21.32%
Zn 213.857†	14.8	0.00841 mg/L	0.000470	0.00841 mg/L	0.000470	5.58%
Zn 202.548†	11.0	0.00791 mg/L	0.000371	0.00791 mg/L	0.000371	4.69%

Sequence No.: 19
Sample ID: SIC3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 6/15/2005 10:32:05 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: SIC3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	538022.1						8658.78	1.61%
Y 360.073	3137119.0						14184.23	0.45%
Ag 328.068†	83.6	0.00012	mg/L	0.000448	0.00012	mg/L	0.000448	359.01%
Ag 338.289†	857.1	-0.00201	mg/L	0.001104	-0.00201	mg/L	0.001104	55.03%
Al 308.215†	173.3	0.05817	mg/L	0.011116	0.05817	mg/L	0.011116	19.11%
Al 394.401†	35.0	0.01734	mg/L	0.007629	0.01734	mg/L	0.007629	44.00%
Al 396.153†	2123.6	-0.00975	mg/L	0.014841	-0.00975	mg/L	0.014841	152.25%

As 188.979†	10.9	-0.00387 mg/L	0.001930	-0.00387 mg/L	0.001930	49.87%
As 193.696†	32.8	0.00220 mg/L	0.005581	0.00220 mg/L	0.005581	253.50%
As 197.197†	0.6	-0.00239 mg/L	0.087957	-0.00239 mg/L	0.087957	>999.9%
B 208.889†	-1.1	-0.00910 mg/L	0.016322	-0.00910 mg/L	0.016322	179.27%
B 249.677†	2.5	-0.00272 mg/L	0.003560	-0.00272 mg/L	0.003560	130.99%
B 249.772†	3.0	-0.00114 mg/L	0.001437	-0.00114 mg/L	0.001437	125.68%
Ba 233.527†	-37.6	0.00451 mg/L	0.000340	0.00451 mg/L	0.000340	7.54%
Ba 455.403†	34.4	-0.00048 mg/L	0.000441	-0.00048 mg/L	0.000441	91.03%
Ba 493.408†	-135.5	-0.00110 mg/L	0.000643	-0.00110 mg/L	0.000643	58.68%
Be 234.861†	-44.5	0.00001 mg/L	0.000196	0.00001 mg/L	0.000196	>999.9%
Be 313.042†	-240.2	-0.00028 mg/L	0.000011	-0.00028 mg/L	0.000011	4.09%
Be 313.107†	-676.5	-0.00139 mg/L	0.000114	-0.00139 mg/L	0.000114	8.21%
Ca 315.887†	239.9	0.05444 mg/L	0.006718	0.05444 mg/L	0.006718	12.34%
Ca 317.933†	606.4	0.03303 mg/L	0.008594	0.03303 mg/L	0.008594	26.02%
Cd 214.440†	-1.3	0.00008 mg/L	0.000162	0.00008 mg/L	0.000162	193.81%
Cd 226.502†	24.4	0.00040 mg/L	0.000331	0.00040 mg/L	0.000331	82.13%
Cd 228.802†	1.4	0.00037 mg/L	0.000377	0.00037 mg/L	0.000377	101.96%
Ce 413.380†	-6.4	-0.00498 mg/L	0.013472	-0.00498 mg/L	0.013472	270.61%
Ce 413.764†	41.0	0.01023 mg/L	0.012461	0.01023 mg/L	0.012461	121.80%
Ce 418.660†	-124.9	-0.01799 mg/L	0.010309	-0.01799 mg/L	0.010309	57.32%
Co 228.616†	5.6	-0.00044 mg/L	0.000117	-0.00044 mg/L	0.000117	26.90%
Co 230.786†	18.8	-0.00453 mg/L	0.000804	-0.00453 mg/L	0.000804	17.73%
Co 238.892†	-17.3	0.00354 mg/L	0.002111	0.00354 mg/L	0.002111	59.58%
Cr 205.560†	5519.1	10.31 mg/L	0.086	10.31 mg/L	0.086	0.84%
Cr 267.716†	523597.6	10.34 mg/L	0.032	10.34 mg/L	0.032	0.31%
Cr 283.563†	1567540.2	10.98 mg/L	0.044	10.98 mg/L	0.044	0.40%
Cu 224.700†	8.9	-0.00978 mg/L	0.000085	-0.00978 mg/L	0.000085	0.87%
Cu 324.752†	1270.6	0.00265 mg/L	0.000191	0.00265 mg/L	0.000191	7.20%
Cu 327.393†	-308.9	-0.00230 mg/L	0.000470	-0.00230 mg/L	0.000470	20.39%
Fe 238.204†	-1.4	-0.00559 mg/L	0.004230	-0.00559 mg/L	0.004230	75.64%
Fe 239.562†	12.7	-0.00365 mg/L	0.004491	-0.00365 mg/L	0.004491	122.96%
Fe 259.939†	1.7	-0.00451 mg/L	0.004741	-0.00451 mg/L	0.004741	105.21%
Fe 273.955†	14.8	-0.00305 mg/L	0.005129	-0.00305 mg/L	0.005129	167.91%
K 766.490†	-2368.6	-0.8431 mg/L	0.16441	-0.8431 mg/L	0.16441	19.50%
Li 610.362†	-2829.4	-0.3900 mg/L	0.06424	-0.3900 mg/L	0.06424	16.47%
Li 670.784†	208.1	0.00356 mg/L	0.002062	0.00356 mg/L	0.002062	57.95%
Mg 279.077†	-1.6	0.00155 mg/L	0.007255	0.00155 mg/L	0.007255	467.70%
Mg 280.271†	1363.0	0.00451 mg/L	0.002907	0.00451 mg/L	0.002907	64.52%
Mg 285.213†	27.4	0.00543 mg/L	0.002857	0.00543 mg/L	0.002857	52.63%
Mn 257.610†	6.7	-0.00132 mg/L	0.000205	-0.00132 mg/L	0.000205	15.54%
Mn 259.372†	1721.8	-0.00491 mg/L	0.000172	-0.00491 mg/L	0.000172	3.50%
Mn 260.568†	-3.9	-0.00141 mg/L	0.000323	-0.00141 mg/L	0.000323	22.81%
Mo 202.031†	113247.6	10.36 mg/L	0.111	10.36 mg/L	0.111	1.07%
Mo 203.845†	1745.9	10.04 mg/L	0.108	10.04 mg/L	0.108	1.07%
Mo 204.597†	61617.2	10.35 mg/L	0.117	10.35 mg/L	0.117	1.13%
Na 588.995†	-3995.8	-0.5711 mg/L	0.05267	-0.5711 mg/L	0.05267	9.22%
Na 589.592†	222.5	0.02355 mg/L	0.015628	0.02355 mg/L	0.015628	66.36%
Ni 221.648†	0.7	-0.00060 mg/L	0.001162	-0.00060 mg/L	0.001162	194.81%
Ni 231.604†	3.6	-0.00040 mg/L	0.000436	-0.00040 mg/L	0.000436	109.94%
Ni 232.003†	3924.5	-0.07732 mg/L	0.008545	-0.07732 mg/L	0.008545	11.05%
P 213.617†	96.5	-0.00019 mg/L	0.003244	-0.00019 mg/L	0.003244	>999.9%
P 214.914†	119.6	-0.01389 mg/L	0.005265	-0.01389 mg/L	0.005265	37.90%
Pb 217.000†	-6.4	0.00611 mg/L	0.002359	0.00611 mg/L	0.002359	38.60%
Pb 220.353†	-32.0	0.00224 mg/L	0.001532	0.00224 mg/L	0.001532	68.45%
Sb 206.836†	258.4	0.05948 mg/L	0.002318	0.05948 mg/L	0.002318	3.90%
Sb 217.582†	6.7	0.00304 mg/L	0.003545	0.00304 mg/L	0.003545	116.55%
Se 196.026†	3.4	0.00329 mg/L	0.003377	0.00329 mg/L	0.003377	102.65%
Se 203.985†	1067.2	-0.7778 mg/L	0.04327	-0.7778 mg/L	0.04327	5.56%
Si 251.611†	4101.2	0.05798 mg/L	0.005285	0.05798 mg/L	0.005285	9.12%
Si 288.158†	260.6	0.04008 mg/L	0.016259	0.04008 mg/L	0.016259	40.56%
Si 252.851†	25.5	-0.02781 mg/L	0.003559	-0.02781 mg/L	0.003559	12.80%
Sn 235.485†	-111.3	-0.03134 mg/L	0.001043	-0.03134 mg/L	0.001043	3.33%
Sn 189.927†	-1.7	0.00089 mg/L	0.001550	0.00089 mg/L	0.001550	174.32%
Sr 460.733†	-124.5	-0.8825 mg/L	0.67461	-0.8825 mg/L	0.67461	76.45%
Sr 407.771†	149.2	-0.00004 mg/L	0.000067	-0.00004 mg/L	0.000067	173.40%
Sr 421.552†	7.6	-0.00018 mg/L	0.000063	-0.00018 mg/L	0.000063	34.01%
Ti 337.279†	-8.6	-0.00012 mg/L	0.000533	-0.00012 mg/L	0.000533	459.71%
Ti 334.940†	110.2	0.00047 mg/L	0.000421	0.00047 mg/L	0.000421	90.32%
Ti 336.121†	7.1	0.00112 mg/L	0.001206	0.00112 mg/L	0.001206	107.29%
Tl 351.924†	-64.7	-0.01622 mg/L	0.008350	-0.01622 mg/L	0.008350	51.47%
Tl 190.801†	1.0	-0.00398 mg/L	0.002029	-0.00398 mg/L	0.002029	50.95%
Tl 276.787†	-288.8	-0.1379 mg/L	0.00519	-0.1379 mg/L	0.00519	3.76%

V 310.230†	-45.0	-0.00277	mg/L	0.001212	-0.00277	mg/L	0.001212	43.75%
V 292.402†	-1863.3	0.00302	mg/L	0.000623	0.00302	mg/L	0.000623	20.59%
V 311.071†	516.2	-0.00405	mg/L	0.000303	-0.00405	mg/L	0.000303	7.50%
Zn 206.200†	14.3	0.00554	mg/L	0.001888	0.00554	mg/L	0.001888	34.05%
Zn 213.857†	15.1	0.00518	mg/L	0.000347	0.00518	mg/L	0.000347	6.70%
Zn 202.548†	13.5	0.00511	mg/L	0.000704	0.00511	mg/L	0.000704	13.79%

Sequence No.: 20
Sample ID: SIC4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 6/15/2005 10:36:14 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: SIC4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	531823.5						9581.31	1.80%
Y 360.073	3126504.7						37368.44	1.20%
Ag 328.068†	108.2	0.00032	mg/L	0.000445	0.00032	mg/L	0.000445	139.48%
Ag 338.289†	-6459.5	-0.03141	mg/L	0.003751	-0.03141	mg/L	0.003751	11.94%
Al 308.215†	36.0	0.00681	mg/L	0.006449	0.00681	mg/L	0.006449	94.74%
Al 394.401†	64.9	0.02497	mg/L	0.002994	0.02497	mg/L	0.002994	11.99%
Al 396.153†	119.1	0.00835	mg/L	0.011836	0.00835	mg/L	0.011836	141.81%
As 188.979†	-10.6	-0.01735	mg/L	0.006620	-0.01735	mg/L	0.006620	38.16%
As 193.696†	-3.8	-0.01601	mg/L	0.002286	-0.01601	mg/L	0.002286	14.28%
As 197.197†	0.8	0.02845	mg/L	0.089425	0.02845	mg/L	0.089425	314.29%
B 208.889†	4.2	0.02154	mg/L	0.013941	0.02154	mg/L	0.013941	64.72%
B 249.677†	-0.1	-0.00413	mg/L	0.002625	-0.00413	mg/L	0.002625	63.51%
B 249.772†	7.4	-0.00110	mg/L	0.000936	-0.00110	mg/L	0.000936	84.78%
Ba 233.527†	1.0	-0.00046	mg/L	0.001261	-0.00046	mg/L	0.001261	275.15%
Ba 455.403†	557.2	0.00191	mg/L	0.000409	0.00191	mg/L	0.000409	21.40%
Ba 493.408†	507.7	0.00109	mg/L	0.000758	0.00109	mg/L	0.000758	69.66%
Be 234.861†	5.8	0.00013	mg/L	0.000014	0.00013	mg/L	0.000014	10.51%
Be 313.042†	-19.4	-0.00007	mg/L	0.000044	-0.00007	mg/L	0.000044	62.38%
Be 313.107†	30.0	-0.00003	mg/L	0.000113	-0.00003	mg/L	0.000113	328.53%
Ca 315.887†	296.1	0.06719	mg/L	0.004487	0.06719	mg/L	0.004487	6.68%
Ca 317.933†	802.9	0.06007	mg/L	0.004560	0.06007	mg/L	0.004560	7.59%
Cd 214.440†	-27.2	0.00001	mg/L	0.000066	0.00001	mg/L	0.000066	553.41%
Cd 226.502†	-7.2	0.00003	mg/L	0.000313	0.00003	mg/L	0.000313	973.22%
Cd 228.802†	1.3	0.00071	mg/L	0.000351	0.00071	mg/L	0.000351	49.19%
Ce 413.380†	42.7	0.01243	mg/L	0.016042	0.01243	mg/L	0.016042	129.09%
Ce 413.764†	21.9	-0.00153	mg/L	0.022755	-0.00153	mg/L	0.022755	>999.9%
Ce 418.660†	-22.4	-0.00278	mg/L	0.017355	-0.00278	mg/L	0.017355	624.85%
Co 228.616†	530.8	0.00007	mg/L	0.000460	0.00007	mg/L	0.000460	704.69%
Co 230.786†	-23.8	-0.00310	mg/L	0.000976	-0.00310	mg/L	0.000976	31.44%
Co 238.892†	-9.2	-0.00214	mg/L	0.001069	-0.00214	mg/L	0.001069	49.89%
Cr 205.560†	3.8	0.00406	mg/L	0.002061	0.00406	mg/L	0.002061	50.77%
Cr 267.716†	250.8	0.00196	mg/L	0.000190	0.00196	mg/L	0.000190	9.72%
Cr 283.563†	347.8	0.00085	mg/L	0.000339	0.00085	mg/L	0.000339	39.79%
Cu 224.700†	6671.4	10.02	mg/L	0.051	10.02	mg/L	0.051	0.51%
Cu 324.752†	2144428.2	10.05	mg/L	0.027	10.05	mg/L	0.027	0.27%
Cu 327.393†	845143.7	9.841	mg/L	0.0210	9.841	mg/L	0.0210	0.21%
Fe 238.204†	97.8	0.00542	mg/L	0.000061	0.00542	mg/L	0.000061	1.12%
Fe 239.562†	73.8	0.00565	mg/L	0.001723	0.00565	mg/L	0.001723	30.51%
Fe 259.939†	84.2	0.00466	mg/L	0.000556	0.00466	mg/L	0.000556	11.94%
Fe 273.955†	17.0	0.00785	mg/L	0.000564	0.00785	mg/L	0.000564	7.19%
K 766.490†	-1453.7	-0.5174	mg/L	0.38595	-0.5174	mg/L	0.38595	74.59%
Li 610.362†	-2379.1	-0.3279	mg/L	0.14091	-0.3279	mg/L	0.14091	42.97%
Li 670.784†	143.5	0.00245	mg/L	0.003145	0.00245	mg/L	0.003145	128.16%
Mg 279.077†	13.5	0.01488	mg/L	0.009201	0.01488	mg/L	0.009201	61.84%
Mg 280.271†	1708.0	0.00680	mg/L	0.000429	0.00680	mg/L	0.000429	6.30%
Mg 285.213†	203.6	0.00773	mg/L	0.000104	0.00773	mg/L	0.000104	1.34%
Mn 257.610†	10.7	0.00015	mg/L	0.000094	0.00015	mg/L	0.000094	62.62%
Mn 259.372†	12.2	-0.00007	mg/L	0.000037	-0.00007	mg/L	0.000037	55.19%
Mn 260.568†	5.2	0.00010	mg/L	0.000148	0.00010	mg/L	0.000148	143.19%
Mo 202.031†	77.7	0.00608	mg/L	0.000289	0.00608	mg/L	0.000289	4.75%
Mo 203.845†	0.2	0.00061	mg/L	0.014164	0.00061	mg/L	0.014164	>999.9%
Mo 204.597†	35.3	0.00525	mg/L	0.000036	0.00525	mg/L	0.000036	0.69%
Na 588.995†	-3612.0	-0.5399	mg/L	0.18275	-0.5399	mg/L	0.18275	33.85%
Na 589.592†	156.8	0.02516	mg/L	0.026348	0.02516	mg/L	0.026348	104.73%

Ni 221.648†	4.1	0.00147	mg/L	0.001397	0.00147	mg/L	0.001397	95.28%
Ni 231.604†	13.4	-0.00166	mg/L	0.000533	-0.00166	mg/L	0.000533	32.19%
Ni 232.003†	-53.1	-0.00301	mg/L	0.001039	-0.00301	mg/L	0.001039	34.45%
P 213.617†	961.7	0.03982	mg/L	0.020130	0.03982	mg/L	0.020130	50.55%
P 214.914†	-118.4	-0.06546	mg/L	0.018412	-0.06546	mg/L	0.018412	28.13%
Pb 217.000†	-35.4	-0.00301	mg/L	0.002329	-0.00301	mg/L	0.002329	77.48%
Pb 220.353†	29.9	-0.00062	mg/L	0.000701	-0.00062	mg/L	0.000701	113.84%
Sb 206.836†	4.0	-0.00098	mg/L	0.003088	-0.00098	mg/L	0.003088	314.04%
Sb 217.582†	-13.8	-0.00157	mg/L	0.001299	-0.00157	mg/L	0.001299	82.61%
Se 196.026†	-3.5	-0.00265	mg/L	0.002965	-0.00265	mg/L	0.002965	111.76%
Se 203.985†	-0.1	-0.00291	mg/L	0.000827	-0.00291	mg/L	0.000827	28.44%
Si 251.611†	1010.3	0.05477	mg/L	0.001783	0.05477	mg/L	0.001783	3.26%
Si 288.158†	361.2	0.05825	mg/L	0.000875	0.05825	mg/L	0.000875	1.50%
Si 252.851†	17.5	0.04547	mg/L	0.015310	0.04547	mg/L	0.015310	33.67%
Sn 235.485†	-4.6	0.01736	mg/L	0.004210	0.01736	mg/L	0.004210	24.24%
Sn 189.927†	-8.4	-0.00002	mg/L	0.001237	-0.00002	mg/L	0.001237	>999.9%
Sr 460.733†	-68.8	-0.4904	mg/L	0.36883	-0.4904	mg/L	0.36883	75.21%
Sr 407.771†	488.7	0.00047	mg/L	0.000081	0.00047	mg/L	0.000081	17.31%
Sr 421.552†	75.1	0.00024	mg/L	0.000113	0.00024	mg/L	0.000113	48.18%
Ti 337.279†	247690.1	10.07	mg/L	0.005	10.07	mg/L	0.005	0.05%
Ti 334.940†	347744.3	10.02	mg/L	0.014	10.02	mg/L	0.014	0.14%
Ti 336.121†	216794.2	10.13	mg/L	0.017	10.13	mg/L	0.017	0.17%
Tl 351.924†	92.2	-0.00865	mg/L	0.017733	-0.00865	mg/L	0.017733	205.07%
Tl 190.801†	-127.1	-0.1043	mg/L	0.01650	-0.1043	mg/L	0.01650	15.82%
Tl 276.787†	-9.4	-0.00463	mg/L	0.008217	-0.00463	mg/L	0.008217	177.34%
V 310.230†	-29.4	-0.00165	mg/L	0.001105	-0.00165	mg/L	0.001105	67.05%
V 292.402†	838.7	0.00163	mg/L	0.000413	0.00163	mg/L	0.000413	25.30%
V 311.071†	13893.2	0.03636	mg/L	0.001260	0.03636	mg/L	0.001260	3.46%
Zn 206.200†	12.3	0.00747	mg/L	0.000453	0.00747	mg/L	0.000453	6.06%
Zn 213.857†	33.4	0.00701	mg/L	0.000117	0.00701	mg/L	0.000117	1.67%
Zn 202.548†	154.2	0.00631	mg/L	0.001314	0.00631	mg/L	0.001314	20.82%

Sequence No.: 21
Sample ID: SIC5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 6/15/2005 10:40:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: SIC5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	500780.6						4271.50	0.85%
Y 360.073	3078149.2						68061.46	2.21%
Ag 328.068†	-439.2	0.00009	mg/L	0.000733	0.00009	mg/L	0.000733	842.21%
Ag 338.289†	-140.9	-0.00333	mg/L	0.000410	-0.00333	mg/L	0.000410	12.30%
Al 308.215†	26.5	0.00438	mg/L	0.005617	0.00438	mg/L	0.005617	128.18%
Al 394.401†	85.1	0.02558	mg/L	0.007635	0.02558	mg/L	0.007635	29.85%
Al 396.153†	118.9	0.00408	mg/L	0.013282	0.00408	mg/L	0.013282	325.31%
As 188.979†	-3.5	-0.00383	mg/L	0.001040	-0.00383	mg/L	0.001040	27.19%
As 193.696†	-205.4	-0.05279	mg/L	0.001113	-0.05279	mg/L	0.001113	2.11%
As 197.197†	1.6	0.03225	mg/L	0.084467	0.03225	mg/L	0.084467	261.92%
B 208.889†	12.1	0.03297	mg/L	0.004597	0.03297	mg/L	0.004597	13.94%
B 249.677†	-24.5	0.00965	mg/L	0.007188	0.00965	mg/L	0.007188	74.47%
B 249.772†	1625.9	0.08036	mg/L	0.003095	0.08036	mg/L	0.003095	3.85%
Ba 233.527†	20.5	-0.00148	mg/L	0.002024	-0.00148	mg/L	0.002024	137.10%
Ba 455.403†	345.2	0.00143	mg/L	0.001184	0.00143	mg/L	0.001184	82.90%
Ba 493.408†	859.6	0.00083	mg/L	0.000869	0.00083	mg/L	0.000869	105.21%
Be 234.861†	2057.5	0.01354	mg/L	0.000685	0.01354	mg/L	0.000685	5.06%
Be 313.042†	-34.5	-0.00011	mg/L	0.000013	-0.00011	mg/L	0.000013	11.88%
Be 313.107†	-61.0	-0.00025	mg/L	0.000064	-0.00025	mg/L	0.000064	25.99%
Ca 315.887†	164.9	0.03742	mg/L	0.003765	0.03742	mg/L	0.003765	10.06%
Ca 317.933†	675.9	0.04290	mg/L	0.013599	0.04290	mg/L	0.013599	31.70%
Cd 214.440†	382.9	-0.00299	mg/L	0.000113	-0.00299	mg/L	0.000113	3.79%
Cd 226.502†	723.4	-0.00617	mg/L	0.000675	-0.00617	mg/L	0.000675	10.95%
Cd 228.802†	4.5	0.00025	mg/L	0.001041	0.00025	mg/L	0.001041	418.88%
Ce 413.380†	172.1	-0.00312	mg/L	0.007927	-0.00312	mg/L	0.007927	254.18%
Ce 413.764†	-30.1	-0.04744	mg/L	0.008714	-0.04744	mg/L	0.008714	18.37%
Ce 418.660†	1.9	-0.00751	mg/L	0.024054	-0.00751	mg/L	0.024054	320.22%
Co 228.616†	314.9	0.00176	mg/L	0.000268	0.00176	mg/L	0.000268	15.23%
Co 230.786†	2894.0	0.05239	mg/L	0.004467	0.05239	mg/L	0.004467	8.53%

Co 238.892†	2482.6	0.04794	mg/L	0.024868	0.04794	mg/L	0.024868	51.87%
Cr 205.560†	5.4	0.00261	mg/L	0.003496	0.00261	mg/L	0.003496	133.84%
Cr 267.716†	-117.1	-0.00188	mg/L	0.000804	-0.00188	mg/L	0.000804	42.81%
Cr 283.563†	13155.0	-0.07113	mg/L	0.003221	-0.07113	mg/L	0.003221	4.53%
Cu 224.700†	145.1	0.03103	mg/L	0.005751	0.03103	mg/L	0.005751	18.53%
Cu 324.752†	1706.9	0.00390	mg/L	0.001094	0.00390	mg/L	0.001094	28.04%
Cu 327.393†	414.1	0.00318	mg/L	0.001398	0.00318	mg/L	0.001398	43.97%
Fe 238.204†	2045278.3	307.3	mg/L	1.24	307.3	mg/L	1.24	0.40%
Fe 239.562†	1500924.3	311.9	mg/L	1.28	311.9	mg/L	1.28	0.41%
Fe 259.939†	1952894.0	307.6	mg/L	1.25	307.6	mg/L	1.25	0.41%
Fe 273.955†	378958.3	331.5	mg/L	1.36	331.5	mg/L	1.36	0.41%
K 766.490†	949.8	0.3381	mg/L	0.14488	0.3381	mg/L	0.14488	42.85%
Li 610.362†	653.0	0.09001	mg/L	0.057147	0.09001	mg/L	0.057147	63.49%
Li 670.784†	203.4	0.00348	mg/L	0.000663	0.00348	mg/L	0.000663	19.05%
Mg 279.077†	92.6	-0.00987	mg/L	0.001242	-0.00987	mg/L	0.001242	12.59%
Mg 280.271†	2241.1	0.01008	mg/L	0.000561	0.01008	mg/L	0.000561	5.56%
Mg 285.213†	293.4	0.01050	mg/L	0.002206	0.01050	mg/L	0.002206	21.01%
Mn 257.610†	288318.5	9.996	mg/L	0.0398	9.996	mg/L	0.0398	0.40%
Mn 259.372†	392258.9	9.750	mg/L	0.0422	9.750	mg/L	0.0422	0.43%
Mn 260.568†	174690.1	9.990	mg/L	0.0435	9.990	mg/L	0.0435	0.44%
Mo 202.031†	-82.1	0.00319	mg/L	0.000769	0.00319	mg/L	0.000769	24.09%
Mo 203.845†	1.6	0.00388	mg/L	0.006726	0.00388	mg/L	0.006726	173.27%
Mo 204.597†	9.4	0.00194	mg/L	0.000860	0.00194	mg/L	0.000860	44.36%
Na 588.995†	-814.6	-0.1635	mg/L	0.05646	-0.1635	mg/L	0.05646	34.52%
Na 589.592†	66.8	-0.00207	mg/L	0.022473	-0.00207	mg/L	0.022473	>999.9%
Ni 221.648†	17.8	0.00905	mg/L	0.002112	0.00905	mg/L	0.002112	23.34%
Ni 231.604†	335.4	0.00459	mg/L	0.000141	0.00459	mg/L	0.000141	3.06%
Ni 232.003†	-2041.9	-0.04296	mg/L	0.002717	-0.04296	mg/L	0.002717	6.32%
P 213.617†	-320.6	0.00536	mg/L	0.002952	0.00536	mg/L	0.002952	55.12%
P 214.914†	370.6	0.07755	mg/L	0.006040	0.07755	mg/L	0.006040	7.79%
Pb 217.000†	407.1	0.1299	mg/L	0.01066	0.1299	mg/L	0.01066	8.21%
Pb 220.353†	110.3	0.01645	mg/L	0.000939	0.01645	mg/L	0.000939	5.71%
Sb 206.836†	3.3	-0.00008	mg/L	0.006973	-0.00008	mg/L	0.006973	>999.9%
Sb 217.582†	110.8	0.02321	mg/L	0.009844	0.02321	mg/L	0.009844	42.41%
Se 196.026†	-72.8	-0.00101	mg/L	0.003621	-0.00101	mg/L	0.003621	359.70%
Se 203.985†	-2.8	0.00951	mg/L	0.013367	0.00951	mg/L	0.013367	140.62%
Si 251.611†	937.7	0.08015	mg/L	0.004716	0.08015	mg/L	0.004716	5.88%
Si 288.158†	431.4	0.09418	mg/L	0.005024	0.09418	mg/L	0.005024	5.33%
Si 252.851†	-56.3	-0.1147	mg/L	0.01759	-0.1147	mg/L	0.01759	15.33%
Sn 235.485†	48291.9	-72.16	mg/L	0.488	-72.16	mg/L	0.488	0.68%
Sn 189.927†	10.1	0.00079	mg/L	0.000863	0.00079	mg/L	0.000863	108.74%
Sr 460.733†	-248.4	-1.751	mg/L	0.0787	-1.751	mg/L	0.0787	4.50%
Sr 407.771†	191.9	0.00018	mg/L	0.000105	0.00018	mg/L	0.000105	59.17%
Sr 421.552†	219.1	0.00019	mg/L	0.000268	0.00019	mg/L	0.000268	138.84%
Ti 337.279†	118.5	0.00450	mg/L	0.000353	0.00450	mg/L	0.000353	7.85%
Ti 334.940†	153.9	0.00453	mg/L	0.000293	0.00453	mg/L	0.000293	6.46%
Ti 336.121†	85.7	0.00436	mg/L	0.001131	0.00436	mg/L	0.001131	25.95%
Tl 351.924†	-47.9	-0.02581	mg/L	0.038303	-0.02581	mg/L	0.038303	148.38%
Tl 190.801†	-12.7	-0.00784	mg/L	0.003079	-0.00784	mg/L	0.003079	39.25%
Tl 276.787†	1106.5	0.08415	mg/L	0.029114	0.08415	mg/L	0.029114	34.60%
V 310.230†	31.1	0.00192	mg/L	0.000654	0.00192	mg/L	0.000654	33.98%
V 292.402†	1065.4	-0.00406	mg/L	0.000642	-0.00406	mg/L	0.000642	15.82%
V 311.071†	397.8	-0.00217	mg/L	0.000242	-0.00217	mg/L	0.000242	11.15%
Zn 206.200†	4.9	0.00498	mg/L	0.001485	0.00498	mg/L	0.001485	29.80%
Zn 213.857†	73.3	0.00457	mg/L	0.000250	0.00457	mg/L	0.000250	5.48%
Zn 202.548†	22.6	0.00350	mg/L	0.000789	0.00350	mg/L	0.000789	22.52%

Sequence No.: 22
Sample ID: wash
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 6/15/2005 10:44:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: wash

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	524186.8						8200.30	1.56%
Y 360.073	3067406.1						29571.02	0.96%
Ag 328.068†	-6.0	-0.00009	mg/L	0.000310	-0.00009	mg/L	0.000310	329.62%
Ag 338.289†	-17.4	-0.00041	mg/L	0.002662	-0.00041	mg/L	0.002662	654.87%

Al 308.215†	3.2	0.00377 mg/L	0.010184	0.00377 mg/L	0.010184	269.77%
Al 394.401†	40.6	0.02762 mg/L	0.001821	0.02762 mg/L	0.001821	6.59%
Al 396.153†	47.7	0.00999 mg/L	0.003350	0.00999 mg/L	0.003350	33.53%
As 188.979†	-4.1	-0.00422 mg/L	0.002041	-0.00422 mg/L	0.002041	48.33%
As 193.696†	1.2	0.00100 mg/L	0.001066	0.00100 mg/L	0.001066	107.00%
As 197.197†	-0.5	-0.02637 mg/L	0.082053	-0.02637 mg/L	0.082053	311.21%
B 208.889†	2.7	0.01615 mg/L	0.011449	0.01615 mg/L	0.011449	70.88%
B 249.677†	-5.9	-0.00291 mg/L	0.002434	-0.00291 mg/L	0.002434	83.61%
B 249.772†	-13.0	-0.00308 mg/L	0.000531	-0.00308 mg/L	0.000531	17.25%
Ba 233.527†	-4.9	-0.00098 mg/L	0.000639	-0.00098 mg/L	0.000639	65.02%
Ba 455.403†	29.4	0.00015 mg/L	0.000491	0.00015 mg/L	0.000491	323.87%
Ba 493.408†	-102.5	-0.00035 mg/L	0.000539	-0.00035 mg/L	0.000539	154.94%
Be 234.861†	8.1	0.00019 mg/L	0.000169	0.00019 mg/L	0.000169	88.92%
Be 313.042†	-45.6	-0.00012 mg/L	0.000034	-0.00012 mg/L	0.000034	28.19%
Be 313.107†	-40.3	-0.00026 mg/L	0.000128	-0.00026 mg/L	0.000128	48.72%
Ca 315.887†	187.2	0.04249 mg/L	0.009089	0.04249 mg/L	0.009089	21.39%
Ca 317.933†	453.4	0.04140 mg/L	0.005427	0.04140 mg/L	0.005427	13.11%
Cd 214.440†	0.1	0.00002 mg/L	0.000233	0.00002 mg/L	0.000233	>999.9%
Cd 226.502†	9.2	0.00021 mg/L	0.000268	0.00021 mg/L	0.000268	129.22%
Cd 228.802†	0.5	0.00020 mg/L	0.000611	0.00020 mg/L	0.000611	298.48%
Ce 413.380†	-49.3	-0.01881 mg/L	0.016679	-0.01881 mg/L	0.016679	88.67%
Ce 413.764†	0.3	0.00013 mg/L	0.012430	0.00013 mg/L	0.012430	>999.9%
Ce 418.660†	-33.5	-0.00882 mg/L	0.028677	-0.00882 mg/L	0.028677	324.99%
Co 228.616†	1.5	0.00005 mg/L	0.000020	0.00005 mg/L	0.000020	37.15%
Co 230.786†	-27.3	-0.00125 mg/L	0.000394	-0.00125 mg/L	0.000394	31.54%
Co 238.892†	1.0	0.00020 mg/L	0.003088	0.00020 mg/L	0.003088	>999.9%
Cr 205.560†	-2.2	-0.00409 mg/L	0.002111	-0.00409 mg/L	0.002111	51.64%
Cr 267.716†	6.7	0.00014 mg/L	0.000173	0.00014 mg/L	0.000173	127.19%
Cr 283.563†	-271.5	-0.00192 mg/L	0.000242	-0.00192 mg/L	0.000242	12.61%
Cu 224.700†	-2.4	-0.00340 mg/L	0.002731	-0.00340 mg/L	0.002731	80.28%
Cu 324.752†	330.8	0.00156 mg/L	0.000497	0.00156 mg/L	0.000497	31.77%
Cu 327.393†	-5.8	-0.00006 mg/L	0.001078	-0.00006 mg/L	0.001078	>999.9%
Fe 238.204†	355.3	0.05343 mg/L	0.017582	0.05343 mg/L	0.017582	32.91%
Fe 239.562†	259.3	0.05393 mg/L	0.017417	0.05393 mg/L	0.017417	32.30%
Fe 259.939†	340.5	0.05368 mg/L	0.016800	0.05368 mg/L	0.016800	31.30%
Fe 273.955†	66.9	0.05862 mg/L	0.017308	0.05862 mg/L	0.017308	29.52%
K 766.490†	-937.4	-0.3336 mg/L	0.16848	-0.3336 mg/L	0.16848	50.50%
Li 610.362†	-1261.9	-0.1739 mg/L	0.06886	-0.1739 mg/L	0.06886	39.59%
Li 670.784†	41.8	0.00071 mg/L	0.001204	0.00071 mg/L	0.001204	168.47%
Mg 279.077†	29.3	0.03936 mg/L	0.029331	0.03936 mg/L	0.029331	74.52%
Mg 280.271†	4674.5	0.02713 mg/L	0.011586	0.02713 mg/L	0.011586	42.70%
Saturated within auto integration window (code 4)						
Mg 285.213†	607.9	0.03417 mg/L	0.022072	0.03417 mg/L	0.022072	64.59%
Mn 257.610†	33.2	0.00115 mg/L	0.000742	0.00115 mg/L	0.000742	64.44%
Mn 259.372†	45.0	0.00110 mg/L	0.000816	0.00110 mg/L	0.000816	73.93%
Mn 260.568†	19.1	0.00109 mg/L	0.000858	0.00109 mg/L	0.000858	78.63%
Mo 202.031†	7.6	0.00071 mg/L	0.000209	0.00071 mg/L	0.000209	29.56%
Mo 203.845†	-0.2	-0.00120 mg/L	0.008291	-0.00120 mg/L	0.008291	690.13%
Mo 204.597†	-1.1	-0.00020 mg/L	0.000165	-0.00020 mg/L	0.000165	84.47%
Na 588.995†	-2718.5	-0.3848 mg/L	0.06390	-0.3848 mg/L	0.06390	16.61%
Na 589.592†	-108.7	-0.02567 mg/L	0.013776	-0.02567 mg/L	0.013776	53.66%
Ni 221.648†	0.1	0.00010 mg/L	0.001497	0.00010 mg/L	0.001497	>999.9%
Ni 231.604†	-1.1	-0.00004 mg/L	0.000167	-0.00004 mg/L	0.000167	430.52%
Ni 232.003†	2.7	0.00042 mg/L	0.000967	0.00042 mg/L	0.000967	229.41%
P 213.617†	-5.2	-0.00287 mg/L	0.003269	-0.00287 mg/L	0.003269	113.87%
P 214.914†	-9.7	-0.00680 mg/L	0.006116	-0.00680 mg/L	0.006116	89.92%
Pb 217.000†	-2.0	-0.00136 mg/L	0.001857	-0.00136 mg/L	0.001857	136.16%
Pb 220.353†	-9.0	-0.00145 mg/L	0.000738	-0.00145 mg/L	0.000738	50.92%
Sb 206.836†	0.5	0.00023 mg/L	0.001484	0.00023 mg/L	0.001484	650.82%
Sb 217.582†	9.9	0.00411 mg/L	0.001127	0.00411 mg/L	0.001127	27.46%
Se 196.026†	-0.2	-0.00018 mg/L	0.002644	-0.00018 mg/L	0.002644	>999.9%
Se 203.985†	4.6	0.00912 mg/L	0.002396	0.00912 mg/L	0.002396	26.28%
Si 251.611†	247.3	0.01677 mg/L	0.000476	0.01677 mg/L	0.000476	2.84%
Si 288.158†	120.9	0.02435 mg/L	0.002018	0.02435 mg/L	0.002018	8.29%
Si 252.851†	2.5	0.00762 mg/L	0.007161	0.00762 mg/L	0.007161	93.97%
Sn 235.485†	35.2	-0.00145 mg/L	0.001972	-0.00145 mg/L	0.001972	136.25%
Sn 189.927†	5.6	0.00185 mg/L	0.000751	0.00185 mg/L	0.000751	40.59%
Sr 460.733†	-34.7	-0.2434 mg/L	0.68939	-0.2434 mg/L	0.68939	283.27%
Sr 407.771†	26.5	0.00003 mg/L	0.000050	0.00003 mg/L	0.000050	193.00%
Sr 421.552†	-89.1	-0.00027 mg/L	0.000370	-0.00027 mg/L	0.000370	135.88%
Ti 337.279†	16.8	0.00068 mg/L	0.000904	0.00068 mg/L	0.000904	132.46%
Ti 334.940†	12.9	0.00037 mg/L	0.000363	0.00037 mg/L	0.000363	97.04%

Ti 336.121†	48.8	0.00228	mg/L	0.001194	0.00228	mg/L	0.001194	52.31%
Tl 351.924†	-148.1	-0.03972	mg/L	0.015384	-0.03972	mg/L	0.015384	38.73%
Tl 190.801†	-2.3	-0.00198	mg/L	0.003543	-0.00198	mg/L	0.003543	179.31%
Tl 276.787†	-2.5	-0.00149	mg/L	0.003851	-0.00149	mg/L	0.003851	258.46%
V 310.230†	1.9	0.00012	mg/L	0.001132	0.00012	mg/L	0.001132	965.39%
V 292.402†	9.0	0.00010	mg/L	0.000162	0.00010	mg/L	0.000162	158.61%
V 311.071†	10.2	0.00007	mg/L	0.000092	0.00007	mg/L	0.000092	129.39%
Zn 206.200†	1.5	0.00156	mg/L	0.001672	0.00156	mg/L	0.001672	107.33%
Zn 213.857†	1.7	0.00066	mg/L	0.000302	0.00066	mg/L	0.000302	45.68%
Zn 202.548†	0.7	0.00039	mg/L	0.000613	0.00039	mg/L	0.000613	158.62%

Sequence No.: 23
Sample ID: RLC fresh
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 6/15/2005 10:48:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: RLC fresh

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	522173.1						8516.20	1.63%
Y 360.073	3123930.8						14399.47	0.46%
Ag 328.068†	610.0	0.00515	mg/L	0.000156	0.00515	mg/L	0.000156	3.04%
Ag 338.289†	158.3	0.00334	mg/L	0.001059	0.00334	mg/L	0.001059	31.74%
Al 308.215†	127.5	0.1456	mg/L	0.00991	0.1456	mg/L	0.00991	6.81%
Al 394.401†	278.9	0.1747	mg/L	0.01161	0.1747	mg/L	0.01161	6.65%
Al 396.153†	688.6	0.1412	mg/L	0.02054	0.1412	mg/L	0.02054	14.54%
As 188.979†	13.6	0.01459	mg/L	0.003422	0.01459	mg/L	0.003422	23.46%
As 193.696†	21.4	0.01673	mg/L	0.000422	0.01673	mg/L	0.000422	2.52%
As 197.197†	-0.3	-0.01368	mg/L	0.034321	-0.01368	mg/L	0.034321	250.94%
B 208.889†	16.7	0.09893	mg/L	0.013040	0.09893	mg/L	0.013040	13.18%
B 249.677†	170.3	0.08475	mg/L	0.003972	0.08475	mg/L	0.003972	4.69%
B 249.772†	364.2	0.08539	mg/L	0.002364	0.08539	mg/L	0.002364	2.77%
Ba 233.527†	7.9	0.00170	mg/L	0.000952	0.00170	mg/L	0.000952	55.84%
Ba 455.403†	492.3	0.00237	mg/L	0.000583	0.00237	mg/L	0.000583	24.64%
Ba 493.408†	388.7	0.00145	mg/L	0.000336	0.00145	mg/L	0.000336	23.22%
Be 234.861†	38.6	0.00094	mg/L	0.000172	0.00094	mg/L	0.000172	18.32%
Be 313.042†	307.0	0.00079	mg/L	0.000037	0.00079	mg/L	0.000037	4.67%
Be 313.107†	126.9	0.00081	mg/L	0.000267	0.00081	mg/L	0.000267	32.81%
Ca 315.887†	443.7	0.1007	mg/L	0.00091	0.1007	mg/L	0.00091	0.90%
Ca 317.933†	1034.8	0.09478	mg/L	0.004066	0.09478	mg/L	0.004066	4.29%
Cd 214.440†	72.8	0.00107	mg/L	0.000117	0.00107	mg/L	0.000117	11.00%
Cd 226.502†	54.9	0.00125	mg/L	0.000182	0.00125	mg/L	0.000182	14.60%
Cd 228.802†	4.2	0.00180	mg/L	0.001386	0.00180	mg/L	0.001386	77.10%
Ce 413.380†	195.9	0.07498	mg/L	0.029305	0.07498	mg/L	0.029305	39.09%
Ce 413.764†	288.4	0.09696	mg/L	0.031492	0.09696	mg/L	0.031492	32.48%
Ce 418.660†	372.1	0.09773	mg/L	0.016457	0.09773	mg/L	0.016457	16.84%
Co 228.616†	48.6	0.00176	mg/L	0.000237	0.00176	mg/L	0.000237	13.51%
Co 230.786†	-2.3	-0.00011	mg/L	0.000258	-0.00011	mg/L	0.000258	237.07%
Co 238.892†	3.4	0.00104	mg/L	0.001007	0.00104	mg/L	0.001007	96.42%
Cr 205.560†	2.7	0.00513	mg/L	0.003294	0.00513	mg/L	0.003294	64.22%
Cr 267.716†	321.5	0.00637	mg/L	0.000154	0.00637	mg/L	0.000154	2.42%
Cr 283.563†	556.7	0.00380	mg/L	0.000230	0.00380	mg/L	0.000230	6.04%
Cu 224.700†	1.8	0.00350	mg/L	0.002122	0.00350	mg/L	0.002122	60.62%
Cu 324.752†	1200.4	0.00570	mg/L	0.000451	0.00570	mg/L	0.000451	7.91%
Cu 327.393†	403.0	0.00474	mg/L	0.000312	0.00474	mg/L	0.000312	6.59%
Fe 238.204†	275.4	0.04155	mg/L	0.005542	0.04155	mg/L	0.005542	13.34%
Fe 239.562†	202.7	0.04230	mg/L	0.005579	0.04230	mg/L	0.005579	13.19%
Fe 259.939†	270.1	0.04271	mg/L	0.006116	0.04271	mg/L	0.006116	14.32%
Fe 273.955†	53.7	0.04716	mg/L	0.010204	0.04716	mg/L	0.010204	21.64%
K 766.490†	5306.4	1.889	mg/L	0.3506	1.889	mg/L	0.3506	18.56%
Li 610.362†	-554.0	-0.07636	mg/L	0.136859	-0.07636	mg/L	0.136859	179.23%
Li 670.784†	1649.0	0.02820	mg/L	0.001406	0.02820	mg/L	0.001406	4.99%
Mg 279.077†	34.2	0.04612	mg/L	0.008630	0.04612	mg/L	0.008630	18.71%
Mg 280.271†	6385.8	0.03712	mg/L	0.000487	0.03712	mg/L	0.000487	1.31%
Mg 285.213†	756.5	0.04259	mg/L	0.001654	0.04259	mg/L	0.001654	3.88%
Mn 257.610†	41.6	0.00145	mg/L	0.000116	0.00145	mg/L	0.000116	8.03%
Mn 259.372†	49.8	0.00121	mg/L	0.000084	0.00121	mg/L	0.000084	7.00%
Mn 260.568†	21.1	0.00121	mg/L	0.000513	0.00121	mg/L	0.000513	42.32%
Mo 202.031†	52.3	0.00482	mg/L	0.000265	0.00482	mg/L	0.000265	5.48%

Mo 203.845†	1.4	0.00795	mg/L	0.009472	0.00795	mg/L	0.009472	119.18%
Mo 204.597†	22.3	0.00370	mg/L	0.000624	0.00370	mg/L	0.000624	16.87%
Na 588.995†	1417.3	0.2038	mg/L	0.15909	0.2038	mg/L	0.15909	78.06%
Na 589.592†	1670.4	0.3980	mg/L	0.00528	0.3980	mg/L	0.00528	1.33%
Ni 221.648†	9.0	0.00776	mg/L	0.002907	0.00776	mg/L	0.002907	37.47%
Ni 231.604†	85.3	0.00333	mg/L	0.000239	0.00333	mg/L	0.000239	7.19%
Ni 232.003†	39.7	0.00331	mg/L	0.000477	0.00331	mg/L	0.000477	14.40%
P 213.617†	-8.9	-0.00561	mg/L	0.006106	-0.00561	mg/L	0.006106	108.82%
P 214.914†	-11.6	-0.00797	mg/L	0.002170	-0.00797	mg/L	0.002170	27.23%
Pb 217.000†	23.1	0.01532	mg/L	0.001845	0.01532	mg/L	0.001845	12.04%
Pb 220.353†	104.5	0.01673	mg/L	0.000306	0.01673	mg/L	0.000306	1.83%
Sb 206.836†	46.6	0.02065	mg/L	0.000898	0.02065	mg/L	0.000898	4.35%
Sb 217.582†	55.9	0.02314	mg/L	0.000395	0.02314	mg/L	0.000395	1.71%
Se 196.026†	30.6	0.02992	mg/L	0.004414	0.02992	mg/L	0.004414	14.75%
Se 203.985†	24.3	0.04062	mg/L	0.008418	0.04062	mg/L	0.008418	20.72%
Si 251.611†	1783.3	0.1201	mg/L	0.02165	0.1201	mg/L	0.02165	18.03%
Si 288.158†	625.9	0.1257	mg/L	0.02237	0.1257	mg/L	0.02237	17.80%
Si 252.851†	39.0	0.1030	mg/L	0.01650	0.1030	mg/L	0.01650	16.02%
Sn 235.485†	36.7	0.00056	mg/L	0.004073	0.00056	mg/L	0.004073	724.18%
Sn 189.927†	33.8	0.01120	mg/L	0.001586	0.01120	mg/L	0.001586	14.17%
Sr 460.733†	-194.2	-1.363	mg/L	0.2259	-1.363	mg/L	0.2259	16.58%
Sr 407.771†	1168.5	0.00115	mg/L	0.000114	0.00115	mg/L	0.000114	9.90%
Sr 421.552†	365.8	0.00111	mg/L	0.000100	0.00111	mg/L	0.000100	8.96%
Ti 337.279†	150.6	0.00612	mg/L	0.000246	0.00612	mg/L	0.000246	4.01%
Ti 334.940†	212.8	0.00613	mg/L	0.000212	0.00613	mg/L	0.000212	3.45%
Ti 336.121†	160.0	0.00749	mg/L	0.001433	0.00749	mg/L	0.001433	19.12%
Tl 351.924†	2.9	-0.00460	mg/L	0.010519	-0.00460	mg/L	0.010519	228.64%
Tl 190.801†	21.8	0.01936	mg/L	0.003175	0.01936	mg/L	0.003175	16.40%
Tl 276.787†	35.6	0.01682	mg/L	0.000633	0.01682	mg/L	0.000633	3.76%
V 310.230†	133.8	0.00691	mg/L	0.001914	0.00691	mg/L	0.001914	27.69%
V 292.402†	519.9	0.00632	mg/L	0.000197	0.00632	mg/L	0.000197	3.11%
V 311.071†	740.0	0.00575	mg/L	0.000136	0.00575	mg/L	0.000136	2.37%
Zn 206.200†	45.3	0.04581	mg/L	0.001059	0.04581	mg/L	0.001059	2.31%
Zn 213.857†	118.3	0.04460	mg/L	0.001052	0.04460	mg/L	0.001052	2.36%
Zn 202.548†	85.5	0.04414	mg/L	0.001831	0.04414	mg/L	0.001831	4.15%

Sequence No.: 24
Sample ID: LCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 6/15/2005 10:52:56 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	520838.1						8437.07	1.62%
Y 360.073	3111482.6						23383.07	0.75%
Ag 328.068†	-12.3	-0.00010	mg/L	0.000695	-0.00010	mg/L	0.000695	687.52%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Ag 338.289†	-83.3	-0.00190	mg/L	0.000160	-0.00190	mg/L	0.000160	8.43%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215†	-10.5	-0.01191	mg/L	0.001461	-0.01191	mg/L	0.001461	12.26%
QC value within limits for Al 308.215 Recovery = Not calculated								
Al 394.401†	0.1	0.00041	mg/L	0.001080	0.00041	mg/L	0.001080	261.94%
QC value within limits for Al 394.401 Recovery = Not calculated								
Al 396.153†	-5.0	-0.00119	mg/L	0.011702	-0.00119	mg/L	0.011702	981.56%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	1.7	0.00184	mg/L	0.002933	0.00184	mg/L	0.002933	159.47%
QC value within limits for As 188.979 Recovery = Not calculated								
As 193.696†	0.1	0.00018	mg/L	0.002870	0.00018	mg/L	0.002870	>999.9%
QC value within limits for As 193.696 Recovery = Not calculated								
As 197.197†	0.8	0.04241	mg/L	0.079011	0.04241	mg/L	0.079011	186.30%
QC value within limits for As 197.197 Recovery = Not calculated								
B 208.889†	1.5	0.00883	mg/L	0.012806	0.00883	mg/L	0.012806	145.07%
QC value within limits for B 208.889 Recovery = Not calculated								
B 249.677†	-9.9	-0.00486	mg/L	0.002687	-0.00486	mg/L	0.002687	55.24%
QC value within limits for B 249.677 Recovery = Not calculated								
B 249.772†	-14.1	-0.00328	mg/L	0.002562	-0.00328	mg/L	0.002562	78.19%
QC value within limits for B 249.772 Recovery = Not calculated								
Ba 233.527†	-7.1	-0.00142	mg/L	0.001378	-0.00142	mg/L	0.001378	97.04%

QC value within limits for Ba 233.527 Recovery = Not calculated

Ba 455.403†	184.6	0.00088 mg/L	0.000369	0.00088 mg/L	0.000369	41.97%

QC value within limits for Ba 455.403 Recovery = Not calculated

Ba 493.408†	102.8	0.00038 mg/L	0.000349	0.00038 mg/L	0.000349	91.32%

QC value within limits for Ba 493.408 Recovery = Not calculated

Be 234.861†	4.7	0.00012 mg/L	0.000055	0.00012 mg/L	0.000055	47.22%

QC value within limits for Be 234.861 Recovery = Not calculated

Be 313.042†	-46.5	-0.00012 mg/L	0.000028	-0.00012 mg/L	0.000028	22.73%

QC value within limits for Be 313.042 Recovery = Not calculated

Be 313.107†	-50.5	-0.00033 mg/L	0.000004	-0.00033 mg/L	0.000004	1.33%

QC value within limits for Be 313.107 Recovery = Not calculated

Ca 315.887†	12.9	0.00293 mg/L	0.009903	0.00293 mg/L	0.009903	337.46%

QC value within limits for Ca 315.887 Recovery = Not calculated

Ca 317.933†	107.2	0.00998 mg/L	0.001345	0.00998 mg/L	0.001345	13.48%

QC value within limits for Ca 317.933 Recovery = Not calculated

Cd 214.440†	-7.5	-0.00007 mg/L	0.000179	-0.00007 mg/L	0.000179	256.56%

QC value within limits for Cd 214.440 Recovery = Not calculated

Cd 226.502†	15.6	0.00036 mg/L	0.000229	0.00036 mg/L	0.000229	64.22%

QC value within limits for Cd 226.502 Recovery = Not calculated

Cd 228.802†	1.3	0.00057 mg/L	0.000637	0.00057 mg/L	0.000637	112.71%

QC value within limits for Cd 228.802 Recovery = Not calculated

Ce 413.380†	-31.6	-0.01204 mg/L	0.013895	-0.01204 mg/L	0.013895	115.41%

QC value within limits for Ce 413.380 Recovery = Not calculated

Ce 413.764†	6.4	0.00223 mg/L	0.021547	0.00223 mg/L	0.021547	966.58%

QC value within limits for Ce 413.764 Recovery = Not calculated

Ce 418.660†	-6.6	-0.00176 mg/L	0.003298	-0.00176 mg/L	0.003298	187.90%

QC value within limits for Ce 418.660 Recovery = Not calculated

Co 228.616†	5.2	0.00019 mg/L	0.000144	0.00019 mg/L	0.000144	76.61%

QC value within limits for Co 228.616 Recovery = Not calculated

Co 230.786†	-41.2	-0.00188 mg/L	0.000262	-0.00188 mg/L	0.000262	13.94%

QC value within limits for Co 230.786 Recovery = Not calculated

Co 238.892†	3.7	0.00127 mg/L	0.000149	0.00127 mg/L	0.000149	11.65%

QC value within limits for Co 238.892 Recovery = Not calculated

Cr 205.560†	-0.9	-0.00176 mg/L	0.000648	-0.00176 mg/L	0.000648	36.77%

QC value within limits for Cr 205.560 Recovery = Not calculated

Cr 267.716†	7.7	0.00016 mg/L	0.000169	0.00016 mg/L	0.000169	106.29%

QC value within limits for Cr 267.716 Recovery = Not calculated

Cr 283.563†	-343.0	-0.00240 mg/L	0.000478	-0.00240 mg/L	0.000478	19.92%

QC value within limits for Cr 283.563 Recovery = Not calculated

Cu 224.700†	-4.1	-0.00589 mg/L	0.004125	-0.00589 mg/L	0.004125	70.07%

QC value within limits for Cu 224.700 Recovery = Not calculated

Cu 324.752†	340.2	0.00161 mg/L	0.000310	0.00161 mg/L	0.000310	19.19%

QC value within limits for Cu 324.752 Recovery = Not calculated

Cu 327.393†	-103.2	-0.00119 mg/L	0.000501	-0.00119 mg/L	0.000501	42.16%

QC value within limits for Cu 327.393 Recovery = Not calculated

Fe 238.204†	18.1	0.00278 mg/L	0.007951	0.00278 mg/L	0.007951	286.46%

QC value within limits for Fe 238.204 Recovery = Not calculated

Fe 239.562†	15.8	0.00334 mg/L	0.008434	0.00334 mg/L	0.008434	252.39%

QC value within limits for Fe 239.562 Recovery = Not calculated

Fe 259.939†	19.0	0.00306 mg/L	0.008031	0.00306 mg/L	0.008031	262.76%

QC value within limits for Fe 259.939 Recovery = Not calculated

Fe 273.955†	3.9	0.00345 mg/L	0.008708	0.00345 mg/L	0.008708	252.58%

QC value within limits for Fe 273.955 Recovery = Not calculated

K 766.490†	-767.4	-0.2731 mg/L	0.30964	-0.2731 mg/L	0.30964	113.36%

QC value within limits for K 766.490 Recovery = Not calculated

Li 610.362†	-882.5	-0.1217 mg/L	0.12939	-0.1217 mg/L	0.12939	106.36%

QC value within limits for Li 610.362 Recovery = Not calculated

Li 670.784†	10.6	0.00018 mg/L	0.001166	0.00018 mg/L	0.001166	642.38%

QC value within limits for Li 670.784 Recovery = Not calculated

Mg 279.077†	5.9	0.00793 mg/L	0.000701	0.00793 mg/L	0.000701	8.85%

QC value within limits for Mg 279.077 Recovery = Not calculated

Mg 280.271†	790.2	0.00461 mg/L	0.007313	0.00461 mg/L	0.007313	158.64%

QC value within limits for Mg 280.271 Recovery = Not calculated

Mg 285.213†	113.7	0.00642 mg/L	0.009744	0.00642 mg/L	0.009744	151.84%

QC value within limits for Mg 285.213 Recovery = Not calculated

Mn 257.610†	7.8	0.00027 mg/L	0.000305	0.00027 mg/L	0.000305	112.04%

QC value within limits for Mn 257.610 Recovery = Not calculated

Mn 259.372†	9.2	0.00020 mg/L	0.000325	0.00020 mg/L	0.000325	160.81%

QC value within limits for Mn 259.372 Recovery = Not calculated

Mn 260.568†	3.4	0.00019 mg/L	0.000530	0.00019 mg/L	0.000530	272.12%

QC value within limits for Mn 260.568 Recovery = Not calculated

Mo 202.031†	6.6	0.00061 mg/L	0.000053	0.00061 mg/L	0.000053	8.56%

QC value within limits for Mo 202.031 Recovery = Not calculated

Mo 203.845†	1.3	0.00755 mg/L	0.029463	0.00755 mg/L	0.029463	390.43%

QC value within limits for Mo 203.845 Recovery = Not calculated

Mo 204.597†	2.3	0.00038 mg/L	0.000706	0.00038 mg/L	0.000706	184.38%

QC value within limits for Mo 204.597 Recovery = Not calculated

Na 588.995†	-2229.1	-0.3152 mg/L	0.14431	-0.3152 mg/L	0.14431	45.78%

QC value within limits for Na 588.995 Recovery = Not calculated

Na 589.592†	-163.8	-0.03872 mg/L	0.000714	-0.03872 mg/L	0.000714	1.84%

QC value within limits for Na 589.592 Recovery = Not calculated

Ni 221.648†	2.8	0.00239 mg/L	0.000872	0.00239 mg/L	0.000872	36.45%

QC value within limits for Ni 221.648 Recovery = Not calculated

Ni 231.604†	5.3	0.00021 mg/L	0.000401	0.00021 mg/L	0.000401	188.60%

QC value within limits for Ni 231.604 Recovery = Not calculated

Ni 232.003†	-2.1	-0.00015 mg/L	0.000782	-0.00015 mg/L	0.000782	513.89%

QC value within limits for Ni 232.003 Recovery = Not calculated

P 213.617†	-15.7	-0.00903 mg/L	0.004772	-0.00903 mg/L	0.004772	52.84%
P 214.914†	-5.3	-0.00373 mg/L	0.005099	-0.00373 mg/L	0.005099	136.54%
Pb 217.000†	1.4	0.00098 mg/L	0.007386	0.00098 mg/L	0.007386	756.81%

QC value within limits for Pb 217.000 Recovery = Not calculated

Pb 220.353†	-8.4	-0.00134 mg/L	0.001562	-0.00134 mg/L	0.001562	116.26%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 206.836†	0.7	0.00034 mg/L	0.000569	0.00034 mg/L	0.000569	165.35%

QC value within limits for Sb 206.836 Recovery = Not calculated

Sb 217.582†	10.0	0.00415 mg/L	0.001365	0.00415 mg/L	0.001365	32.87%

QC value within limits for Sb 217.582 Recovery = Not calculated

Se 196.026†	3.0	0.00297 mg/L	0.006027	0.00297 mg/L	0.006027	203.24%

QC value within limits for Se 196.026 Recovery = Not calculated

Se 203.985†	6.9	0.01255 mg/L	0.003551	0.01255 mg/L	0.003551	28.28%

QC value within limits for Se 203.985 Recovery = Not calculated

Si 251.611†	3.4	0.00031 mg/L	0.001427	0.00031 mg/L	0.001427	461.08%
Si 288.158†	9.2	0.00209 mg/L	0.001912	0.00209 mg/L	0.001912	91.39%
Si 252.851†	-5.3	-0.01736 mg/L	0.012385	-0.01736 mg/L	0.012385	71.36%
Sn 235.485†	14.8	0.00501 mg/L	0.011084	0.00501 mg/L	0.011084	221.42%

QC value within limits for Sn 235.485 Recovery = Not calculated

Sn 189.927†	5.0	0.00164 mg/L	0.001037	0.00164 mg/L	0.001037	63.27%

QC value within limits for Sn 189.927 Recovery = Not calculated

Sr 460.733†	-48.2	-0.3381 mg/L	0.20619	-0.3381 mg/L	0.20619	60.98%

QC value within limits for Sr 460.733 Recovery = Not calculated

Sr 407.771†	3.1	0.00000 mg/L	0.000075	0.00000 mg/L	0.000075	>999.9%

QC value within limits for Sr 407.771 Recovery = Not calculated

Sr 421.552†	-29.5	-0.00009 mg/L	0.000338	-0.00009 mg/L	0.000338	376.10%

QC value within limits for Sr 421.552 Recovery = Not calculated

Ti 337.279†	-4.9	-0.00020 mg/L	0.000098	-0.00020 mg/L	0.000098	48.86%

QC value within limits for Ti 337.279 Recovery = Not calculated

Ti 334.940†	15.6	0.00045 mg/L	0.000362	0.00045 mg/L	0.000362	80.02%

QC value within limits for Ti 334.940 Recovery = Not calculated

Ti 336.121†	39.0	0.00183 mg/L	0.001818	0.00183 mg/L	0.001818	99.30%

QC value within limits for Ti 336.121 Recovery = Not calculated

Tl 351.924†	-65.6	-0.01830 mg/L	0.006256	-0.01830 mg/L	0.006256	34.19%

QC value within limits for Tl 351.924 Recovery = Not calculated

Tl 190.801†	-1.9	-0.00162 mg/L	0.002151	-0.00162 mg/L	0.002151	132.70%

QC value within limits for Tl 190.801 Recovery = Not calculated

Tl 276.787†	-5.5	-0.00260 mg/L	0.005561	-0.00260 mg/L	0.005561	213.76%

QC value within limits for Tl 276.787 Recovery = Not calculated

V 310.230†	19.3	0.00102 mg/L	0.000867	0.00102 mg/L	0.000867	85.39%

QC value within limits for V 310.230 Recovery = Not calculated

V 292.402†	-1.1	0.00001 mg/L	0.000310	0.00001 mg/L	0.000310	>999.9%
V 311.071†	-26.7	-0.00022 mg/L	0.000371	-0.00022 mg/L	0.000371	171.66%
Zn 206.200†	-0.7	-0.00072 mg/L	0.001292	-0.00072 mg/L	0.001292	178.18%

QC value within limits for Zn 206.200 Recovery = Not calculated

Zn 213.857†	0.1	0.00005 mg/L	0.000608	0.00005 mg/L	0.000608	>999.9%

QC value within limits for Zn 213.857 Recovery = Not calculated

Zn 202.548†	-1.0	-0.00044 mg/L	0.000508	-0.00044 mg/L	0.000508	114.69%

QC value within limits for Zn 202.548 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 25
Sample ID: LCM1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 6/15/2005 10:57:04 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCM1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	492765.2						11486.40	2.33%
Y 360.073	3110548.0						90315.38	2.90%
Ag 328.068†	19964.2	0.1558	mg/L	0.00563	0.1558	mg/L	0.00563	3.61%
Ag 338.289†	6465.9	0.1521	mg/L	0.00668	0.1521	mg/L	0.00668	4.39%
Al 308.215†	966.7	1.063	mg/L	0.0234	1.063	mg/L	0.0234	2.20%
QC value within limits for Al 308.215 Recovery = 106.32%								
Al 394.401†	1943.6	1.172	mg/L	0.0349	1.172	mg/L	0.0349	2.98%
QC value greater than the upper limit for Al 394.401 Recovery = 117.19%								
Al 396.153†	5389.4	1.049	mg/L	0.0033	1.049	mg/L	0.0033	0.31%
QC value within limits for Al 396.153 Recovery = 104.94%								
As 188.979†	1874.8	1.962	mg/L	0.0581	1.962	mg/L	0.0581	2.96%
QC value within limits for As 188.979 Recovery = 98.11%								
As 193.696†	2647.8	1.993	mg/L	0.0600	1.993	mg/L	0.0600	3.01%
QC value within limits for As 193.696 Recovery = 99.67%								
As 197.197†	39.8	2.077	mg/L	0.1594	2.077	mg/L	0.1594	7.67%
QC value within limits for As 197.197 Recovery = 103.87%								
B 208.889†	158.3	0.9345	mg/L	0.03832	0.9345	mg/L	0.03832	4.10%
QC value within limits for B 208.889 Recovery = 93.45%								
B 249.677†	1913.4	0.9469	mg/L	0.02213	0.9469	mg/L	0.02213	2.34%
QC value within limits for B 249.677 Recovery = 94.69%								
B 249.772†	4027.6	0.9422	mg/L	0.02118	0.9422	mg/L	0.02118	2.25%
QC value within limits for B 249.772 Recovery = 94.22%								
Ba 233.527†	4830.8	0.9895	mg/L	0.02529	0.9895	mg/L	0.02529	2.56%
QC value within limits for Ba 233.527 Recovery = 98.95%								
Ba 455.403†	211442.4	0.9863	mg/L	0.00230	0.9863	mg/L	0.00230	0.23%
QC value within limits for Ba 455.403 Recovery = 98.63%								
Ba 493.408†	277660.3	0.9796	mg/L	0.00220	0.9796	mg/L	0.00220	0.22%
QC value within limits for Ba 493.408 Recovery = 97.96%								
Be 234.861†	40675.8	0.9941	mg/L	0.01989	0.9941	mg/L	0.01989	2.00%
QC value within limits for Be 234.861 Recovery = 99.41%								
Be 313.042†	371329.2	0.9745	mg/L	0.00143	0.9745	mg/L	0.00143	0.15%
QC value within limits for Be 313.042 Recovery = 97.45%								
Be 313.107†	150570.4	0.9752	mg/L	0.00092	0.9752	mg/L	0.00092	0.09%
QC value within limits for Be 313.107 Recovery = 97.52%								
Ca 315.887†	4723.8	1.072	mg/L	0.0174	1.072	mg/L	0.0174	1.62%
QC value within limits for Ca 315.887 Recovery = 107.21%								
Ca 317.933†	10943.0	0.9832	mg/L	0.01950	0.9832	mg/L	0.01950	1.98%
QC value within limits for Ca 317.933 Recovery = 98.32%								
Cd 214.440†	74240.2	0.9755	mg/L	0.03804	0.9755	mg/L	0.03804	3.90%
QC value within limits for Cd 214.440 Recovery = 97.55%								
Cd 226.502†	42373.9	0.9691	mg/L	0.03783	0.9691	mg/L	0.03783	3.90%
QC value within limits for Cd 226.502 Recovery = 96.91%								
Cd 228.802†	2161.4	0.9590	mg/L	0.02221	0.9590	mg/L	0.02221	2.32%
QC value within limits for Cd 228.802 Recovery = 95.90%								
Ce 413.380†	2789.7	1.063	mg/L	0.0432	1.063	mg/L	0.0432	4.06%
QC value within limits for Ce 413.380 Recovery = 106.32%								
Ce 413.764†	3083.9	1.030	mg/L	0.0334	1.030	mg/L	0.0334	3.24%
QC value within limits for Ce 413.764 Recovery = 103.03%								
Ce 418.660†	3871.9	1.020	mg/L	0.0269	1.020	mg/L	0.0269	2.64%
QC value within limits for Ce 418.660 Recovery = 102.01%								
Co 228.616†	26321.7	0.9470	mg/L	0.03621	0.9470	mg/L	0.03621	3.82%
QC value within limits for Co 228.616 Recovery = 94.70%								
Co 230.786†	21016.0	0.9561	mg/L	0.03851	0.9561	mg/L	0.03851	4.03%
QC value within limits for Co 230.786 Recovery = 95.61%								
Co 238.892†	3232.8	1.101	mg/L	0.0242	1.101	mg/L	0.0242	2.20%
QC value greater than the upper limit for Co 238.892 Recovery = 110.08%								
Cr 205.560†	538.7	1.005	mg/L	0.0254	1.005	mg/L	0.0254	2.53%
QC value within limits for Cr 205.560 Recovery = 100.51%								
Cr 267.716†	47195.5	0.9301	mg/L	0.03442	0.9301	mg/L	0.03442	3.70%
QC value within limits for Cr 267.716 Recovery = 93.01%								
Cr 283.563†	143165.5	1.001	mg/L	0.0394	1.001	mg/L	0.0394	3.93%
QC value within limits for Cr 283.563 Recovery = 100.07%								
Cu 224.700†	701.7	1.046	mg/L	0.0192	1.046	mg/L	0.0192	1.83%
QC value within limits for Cu 224.700 Recovery = 104.61%								
Cu 324.752†	207360.2	0.9714	mg/L	0.04080	0.9714	mg/L	0.04080	4.20%
QC value within limits for Cu 324.752 Recovery = 97.14%								
Cu 327.393†	80816.2	0.9407	mg/L	0.03982	0.9407	mg/L	0.03982	4.23%

QC value within limits for Cu 327.393 Recovery = 94.07%

Fe 238.204†	6912.2	1.034 mg/L	0.0176	1.034 mg/L	0.0176	1.70%

QC value within limits for Fe 238.204 Recovery = 103.38%

Fe 239.562†	4984.9	1.030 mg/L	0.0175	1.030 mg/L	0.0175	1.70%

QC value within limits for Fe 239.562 Recovery = 102.99%

Fe 259.939†	6590.4	1.033 mg/L	0.0226	1.033 mg/L	0.0226	2.19%

QC value within limits for Fe 259.939 Recovery = 103.29%

Fe 273.955†	1311.7	1.140 mg/L	0.0196	1.140 mg/L	0.0196	1.72%

QC value greater than the upper limit for Fe 273.955 Recovery = 114.00%

K 766.490†	16540.1	5.887 mg/L	0.4451	5.887 mg/L	0.4451	7.56%

QC value greater than the upper limit for K 766.490 Recovery = 117.75%

Li 610.362†	10046.3	1.385 mg/L	0.1318	1.385 mg/L	0.1318	9.52%

QC value greater than the upper limit for Li 610.362 Recovery = 138.48%

Li 670.784†	64053.9	1.096 mg/L	0.0276	1.096 mg/L	0.0276	2.52%

QC value within limits for Li 670.784 Recovery = 109.55%

Mg 279.077†	810.6	1.087 mg/L	0.0207	1.087 mg/L	0.0207	1.90%

QC value within limits for Mg 279.077 Recovery = 108.68%

Mg 280.271†	171850.6	0.9948 mg/L	0.00295	0.9948 mg/L	0.00295	0.30%

QC value within limits for Mg 280.271 Recovery = 99.48%

Mg 285.213†	18839.3	1.058 mg/L	0.0214	1.058 mg/L	0.0214	2.02%

QC value within limits for Mg 285.213 Recovery = 105.76%

Mn 257.610†	28629.4	0.9927 mg/L	0.02134	0.9927 mg/L	0.02134	2.15%

QC value within limits for Mn 257.610 Recovery = 99.27%

Mn 259.372†	37734.4	0.9691 mg/L	0.01924	0.9691 mg/L	0.01924	1.99%

QC value within limits for Mn 259.372 Recovery = 96.91%

Mn 260.568†	17112.6	0.9789 mg/L	0.02215	0.9789 mg/L	0.02215	2.26%

QC value within limits for Mn 260.568 Recovery = 97.89%

Mo 202.031†	10739.5	0.9829 mg/L	0.03584	0.9829 mg/L	0.03584	3.65%

QC value within limits for Mo 202.031 Recovery = 98.29%

Mo 203.845†	179.3	1.031 mg/L	0.0172	1.031 mg/L	0.0172	1.66%

QC value within limits for Mo 203.845 Recovery = 103.15%

Mo 204.597†	6090.6	1.022 mg/L	0.0294	1.022 mg/L	0.0294	2.88%

QC value within limits for Mo 204.597 Recovery = 102.25%

Na 588.995†	8518.5	1.201 mg/L	0.1928	1.201 mg/L	0.1928	16.05%
Na 589.592†	4192.3	0.9885 mg/L	0.02985	0.9885 mg/L	0.02985	3.02%
Ni 221.648†	1226.6	1.053 mg/L	0.0210	1.053 mg/L	0.0210	1.99%

QC value within limits for Ni 221.648 Recovery = 105.30%

Ni 231.604†	25226.3	0.9768 mg/L	0.03486	0.9768 mg/L	0.03486	3.57%

QC value within limits for Ni 231.604 Recovery = 97.68%

Ni 232.003†	11650.0	0.9889 mg/L	0.04105	0.9889 mg/L	0.04105	4.15%

QC value within limits for Ni 232.003 Recovery = 98.89%

P 213.617†	8713.5	5.113 mg/L	0.1491	5.113 mg/L	0.1491	2.92%
P 214.914†	7334.9	5.103 mg/L	0.1401	5.103 mg/L	0.1401	2.75%
Pb 217.000†	3018.6	2.036 mg/L	0.0521	2.036 mg/L	0.0521	2.56%

QC value within limits for Pb 217.000 Recovery = 101.82%

Pb 220.353†	11998.0	1.925 mg/L	0.0746	1.925 mg/L	0.0746	3.87%

QC value within limits for Pb 220.353 Recovery = 96.27%

Sb 206.836†	4367.6	1.922 mg/L	0.0513	1.922 mg/L	0.0513	2.67%

QC value within limits for Sb 206.836 Recovery = 96.09%

Sb 217.582†	4831.4	1.990 mg/L	0.0601	1.990 mg/L	0.0601	3.02%

QC value within limits for Sb 217.582 Recovery = 99.48%

Se 196.026†	1016.9	0.9939 mg/L	0.03131	0.9939 mg/L	0.03131	3.15%

QC value within limits for Se 196.026 Recovery = 99.39%

Se 203.985†	693.4	0.9050 mg/L	0.02115	0.9050 mg/L	0.02115	2.34%

QC value within limits for Se 203.985 Recovery = 90.50%

Si 251.611†	71527.1	4.761 mg/L	0.1890	4.761 mg/L	0.1890	3.97%
Si 288.158†	24099.2	4.803 mg/L	0.1950	4.803 mg/L	0.1950	4.06%
Si 252.851†	2573.1	5.465 mg/L	0.1444	5.465 mg/L	0.1444	2.64%
Sn 235.485†	11176.3	4.593 mg/L	0.2028	4.593 mg/L	0.2028	4.42%

QC value within limits for Sn 235.485 Recovery = 91.86%

Sn 189.927†	14539.0	4.830 mg/L	0.1851	4.830 mg/L	0.1851	3.83%

QC value within limits for Sn 189.927 Recovery = 96.59%

Sr 460.733†	-667.0	-4.689 mg/L	0.6145	-4.689 mg/L	0.6145	13.10%

QC value less than the lower limit for Sr 460.733 Recovery = -468.92%

Sr 407.771†	992036.8	0.9827 mg/L	0.00170	0.9827 mg/L	0.00170	0.17%

QC value within limits for Sr 407.771 Recovery = 98.27%

Sr 421.552†	322152.9	0.9825 mg/L	0.00101	0.9825 mg/L	0.00101	0.10%

QC value within limits for Sr 421.552 Recovery = 98.25%

Ti 337.279†	25289.3	1.029 mg/L	0.0204	1.029 mg/L	0.0204	1.98%

QC value within limits for Ti 337.279 Recovery = 102.86%

Ti 334.940†	35622.5	1.026 mg/L	0.0238	1.026 mg/L	0.0238	2.32%

QC value within limits for Ti 334.940 Recovery = 102.60%

Ti 336.121†	22213.0	1.038	mg/L	0.0208	1.038	mg/L	0.0208	2.00%
QC value within limits for Ti 336.121 Recovery = 103.79%								
Tl 351.924†	18853.0	4.944	mg/L	0.2177	4.944	mg/L	0.2177	4.40%
QC value within limits for Tl 351.924 Recovery = 98.88%								
Tl 190.801†	5970.6	5.205	mg/L	0.1389	5.205	mg/L	0.1389	2.67%
QC value within limits for Tl 190.801 Recovery = 104.09%								
Tl 276.787†	9201.7	4.323	mg/L	0.1817	4.323	mg/L	0.1817	4.20%
QC value less than the lower limit for Tl 276.787 Recovery = 86.45%								
V 310.230†	20236.2	1.039	mg/L	0.0234	1.039	mg/L	0.0234	2.26%
QC value within limits for V 310.230 Recovery = 103.85%								
V 292.402†	78209.3	0.9521	mg/L	0.03681	0.9521	mg/L	0.03681	3.87%
V 311.071†	128403.8	0.9945	mg/L	0.03948	0.9945	mg/L	0.03948	3.97%
Zn 206.200†	970.6	0.9776	mg/L	0.02122	0.9776	mg/L	0.02122	2.17%
QC value within limits for Zn 206.200 Recovery = 97.76%								
Zn 213.857†	2624.5	0.9814	mg/L	0.02219	0.9814	mg/L	0.02219	2.26%
QC value within limits for Zn 213.857 Recovery = 98.14%								
Zn 202.548†	1914.3	0.9781	mg/L	0.02163	0.9781	mg/L	0.02163	2.21%
QC value within limits for Zn 202.548 Recovery = 97.81%								
QC Failed. Continue with analysis.								

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Sequence No.: 26 **Autosampler Location: 3**
Sample ID: LCM2 **Date Collected: 6/15/2005 11:01:18 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: LCM2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	519587.2						11436.01	2.20%
Y 360.073	3105598.7						36248.82	1.17%
Ag 328.068†	6781.9	0.05087	mg/L	0.001584	0.05087	mg/L	0.001584	3.11%
QC value within limits for Ag 328.068 Recovery = 101.73%								
Ag 338.289†	2229.1	0.04938	mg/L	0.002121	0.04938	mg/L	0.002121	4.29%
QC value within limits for Ag 338.289 Recovery = 98.76%								
Al 308.215†	30.1	0.03445	mg/L	0.008683	0.03445	mg/L	0.008683	25.20%
Al 394.401†	87.2	0.05909	mg/L	0.008361	0.05909	mg/L	0.008361	14.15%
Al 396.153†	211.4	0.04375	mg/L	0.012659	0.04375	mg/L	0.012659	28.93%
As 188.979†	-2.0	-0.00206	mg/L	0.001794	-0.00206	mg/L	0.001794	87.19%
As 193.696†	2.6	0.00194	mg/L	0.002713	0.00194	mg/L	0.002713	139.98%
As 197.197†	-0.5	-0.02400	mg/L	0.019321	-0.02400	mg/L	0.019321	80.52%
B 208.889†	2.3	0.01374	mg/L	0.007545	0.01374	mg/L	0.007545	54.92%
B 249.677†	38.5	0.01916	mg/L	0.001251	0.01916	mg/L	0.001251	6.53%
B 249.772†	89.4	0.02092	mg/L	0.001220	0.02092	mg/L	0.001220	5.83%
Ba 233.527†	-1.5	-0.00029	mg/L	0.000389	-0.00029	mg/L	0.000389	135.96%
Ba 455.403†	184.6	0.00088	mg/L	0.001297	0.00088	mg/L	0.001297	148.22%
Ba 493.408†	178.3	0.00064	mg/L	0.000551	0.00064	mg/L	0.000551	85.83%
Be 234.861†	14.8	0.00036	mg/L	0.000055	0.00036	mg/L	0.000055	15.35%
Be 313.042†	3.0	0.00001	mg/L	0.000009	0.00001	mg/L	0.000009	111.26%
Be 313.107†	-29.4	-0.00019	mg/L	0.000057	-0.00019	mg/L	0.000057	29.75%
Ca 315.887†	199.1	0.04518	mg/L	0.001705	0.04518	mg/L	0.001705	3.77%
Ca 317.933†	545.0	0.04970	mg/L	0.004396	0.04970	mg/L	0.004396	8.84%
Cd 214.440†	12.7	0.00018	mg/L	0.000053	0.00018	mg/L	0.000053	28.66%
Cd 226.502†	22.1	0.00050	mg/L	0.000109	0.00050	mg/L	0.000109	21.62%
Cd 228.802†	1.2	0.00055	mg/L	0.001950	0.00055	mg/L	0.001950	355.86%
Ce 413.380†	-15.4	-0.00586	mg/L	0.008069	-0.00586	mg/L	0.008069	137.62%
Ce 413.764†	40.4	0.01358	mg/L	0.011836	0.01358	mg/L	0.011836	87.18%
Ce 418.660†	-66.8	-0.01760	mg/L	0.015702	-0.01760	mg/L	0.015702	89.20%
Co 228.616†	8.3	0.00030	mg/L	0.000126	0.00030	mg/L	0.000126	42.30%
Co 230.786†	-51.0	-0.00233	mg/L	0.001117	-0.00233	mg/L	0.001117	48.00%
Co 238.892†	1.4	0.00041	mg/L	0.001044	0.00041	mg/L	0.001044	257.32%
Cr 205.560†	1.1	0.00205	mg/L	0.004168	0.00205	mg/L	0.004168	203.60%
Cr 267.716†	161.1	0.00319	mg/L	0.000083	0.00319	mg/L	0.000083	2.59%
Cr 283.563†	54.3	0.00039	mg/L	0.000554	0.00039	mg/L	0.000554	143.16%
Cu 224.700†	-2.9	-0.00428	mg/L	0.002241	-0.00428	mg/L	0.002241	52.30%
Cu 324.752†	457.4	0.00216	mg/L	0.000212	0.00216	mg/L	0.000212	9.85%
Cu 327.393†	-16.9	-0.00019	mg/L	0.000694	-0.00019	mg/L	0.000694	364.06%
Fe 238.204†	176.2	0.02652	mg/L	0.000800	0.02652	mg/L	0.000800	3.02%
Fe 239.562†	129.4	0.02694	mg/L	0.000871	0.02694	mg/L	0.000871	3.23%
Fe 259.939†	172.9	0.02728	mg/L	0.000736	0.02728	mg/L	0.000736	2.70%

Fe 273.955†	29.2	0.02559	mg/L	0.003222	0.02559	mg/L	0.003222	12.59%
K 766.490†	-580.9	-0.2068	mg/L	0.38772	-0.2068	mg/L	0.38772	187.52%
Li 610.362†	-963.7	-0.1328	mg/L	0.15639	-0.1328	mg/L	0.15639	117.73%
Li 670.784†	279.0	0.00477	mg/L	0.004024	0.00477	mg/L	0.004024	84.33%
Mg 279.077†	17.8	0.02387	mg/L	0.004008	0.02387	mg/L	0.004008	16.79%
Mg 280.271†	2687.5	0.01561	mg/L	0.000405	0.01561	mg/L	0.000405	2.60%
Mg 285.213†	295.1	0.01660	mg/L	0.000186	0.01660	mg/L	0.000186	1.12%
Mn 257.610†	14.8	0.00051	mg/L	0.000031	0.00051	mg/L	0.000031	6.13%
Mn 259.372†	12.1	0.00030	mg/L	0.000049	0.00030	mg/L	0.000049	16.55%
Mn 260.568†	6.4	0.00037	mg/L	0.000228	0.00037	mg/L	0.000228	62.24%
Mo 202.031†	14.5	0.00133	mg/L	0.000405	0.00133	mg/L	0.000405	30.40%
Mo 203.845†	-0.5	-0.00290	mg/L	0.002987	-0.00290	mg/L	0.002987	102.97%
Mo 204.597†	7.4	0.00124	mg/L	0.001233	0.00124	mg/L	0.001233	99.62%
Na 588.995†	-2192.5	-0.3103	mg/L	0.18576	-0.3103	mg/L	0.18576	59.87%
Na 589.592†	-49.6	-0.01160	mg/L	0.027208	-0.01160	mg/L	0.027208	234.55%
Ni 221.648†	2.9	0.00249	mg/L	0.001959	0.00249	mg/L	0.001959	78.54%
Ni 231.604†	33.2	0.00129	mg/L	0.000231	0.00129	mg/L	0.000231	17.96%
Ni 232.003†	32.1	0.00279	mg/L	0.001014	0.00279	mg/L	0.001014	36.38%
P 213.617†	-4.4	-0.00240	mg/L	0.003231	-0.00240	mg/L	0.003231	134.76%
P 214.914†	-0.3	-0.00017	mg/L	0.000625	-0.00017	mg/L	0.000625	369.21%
Pb 217.000†	-2.3	-0.00159	mg/L	0.002386	-0.00159	mg/L	0.002386	150.48%
Pb 220.353†	9.7	0.00156	mg/L	0.000351	0.00156	mg/L	0.000351	22.44%
Sb 206.836†	8.1	0.00356	mg/L	0.000498	0.00356	mg/L	0.000498	14.01%
Sb 217.582†	16.1	0.00665	mg/L	0.003207	0.00665	mg/L	0.003207	48.23%
Se 196.026†	-0.6	-0.00062	mg/L	0.004976	-0.00062	mg/L	0.004976	805.53%
Se 203.985†	10.1	0.01715	mg/L	0.005044	0.01715	mg/L	0.005044	29.41%
Si 251.611†	793.5	0.05338	mg/L	0.003539	0.05338	mg/L	0.003539	6.63%
Si 288.158†	292.3	0.05859	mg/L	0.005706	0.05859	mg/L	0.005706	9.74%
Si 252.851†	16.1	0.04674	mg/L	0.019816	0.04674	mg/L	0.019816	42.40%
Sn 235.485†	29.9	0.00555	mg/L	0.007186	0.00555	mg/L	0.007186	129.57%
Sn 189.927†	6.3	0.00208	mg/L	0.000444	0.00208	mg/L	0.000444	21.34%
Sr 460.733†	-33.7	-0.2362	mg/L	0.51880	-0.2362	mg/L	0.51880	219.69%
Sr 407.771†	351.5	0.00035	mg/L	0.000075	0.00035	mg/L	0.000075	21.46%
Sr 421.552†	132.9	0.00040	mg/L	0.000066	0.00040	mg/L	0.000066	16.31%
Ti 337.279†	27.9	0.00113	mg/L	0.000246	0.00113	mg/L	0.000246	21.76%
Ti 334.940†	51.6	0.00149	mg/L	0.000423	0.00149	mg/L	0.000423	28.42%
Ti 336.121†	20.1	0.00094	mg/L	0.001856	0.00094	mg/L	0.001856	197.14%
Tl 351.924†	-137.4	-0.03675	mg/L	0.016449	-0.03675	mg/L	0.016449	44.76%
Tl 190.801†	2.3	0.00201	mg/L	0.004328	0.00201	mg/L	0.004328	214.95%
Tl 276.787†	3.2	0.00132	mg/L	0.004059	0.00132	mg/L	0.004059	308.32%
V 310.230†	22.0	0.00116	mg/L	0.002024	0.00116	mg/L	0.002024	174.99%
V 292.402†	15.4	0.00018	mg/L	0.000307	0.00018	mg/L	0.000307	173.65%
V 311.071†	2.6	0.00001	mg/L	0.000455	0.00001	mg/L	0.000455	>999.9%
Zn 206.200†	4.3	0.00437	mg/L	0.000819	0.00437	mg/L	0.000819	18.75%
Zn 213.857†	12.9	0.00487	mg/L	0.000273	0.00487	mg/L	0.000273	5.61%
Zn 202.548†	10.1	0.00528	mg/L	0.000317	0.00528	mg/L	0.000317	6.00%

All analyte(s) passed QC.

Sequence No.: 27
Sample ID: HiLCM
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/15/2005 11:05:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: HiLCM

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	473492.9						4963.65	1.05%
Y 360.073	2913076.9						46791.70	1.61%
Ag 328.068†	-155.4	-0.00015	mg/L	0.000247	-0.00015	mg/L	0.000247	159.46%
Ag 338.289†	-91.5	-0.00282	mg/L	0.000234	-0.00282	mg/L	0.000234	8.30%
Al 308.215†	87827.9	100.1	mg/L	1.93	100.1	mg/L	1.93	1.92%
QC value within limits for Al 308.215 Recovery = 100.10%								
Al 394.401†	146295.2	96.14	mg/L	0.469	96.14	mg/L	0.469	0.49%
Al 396.153†	500896.9	102.9	mg/L	0.56	102.9	mg/L	0.56	0.55%
As 188.979†	-21.9	-0.02327	mg/L	0.001660	-0.02327	mg/L	0.001660	7.14%
As 193.696†	-85.5	-0.02482	mg/L	0.004020	-0.02482	mg/L	0.004020	16.19%
As 197.197†	-3.8	-0.2224	mg/L	0.09703	-0.2224	mg/L	0.09703	43.64%
B 208.889†	17.5	0.08028	mg/L	0.007590	0.08028	mg/L	0.007590	9.45%
B 249.677†	11.4	0.01138	mg/L	0.003427	0.01138	mg/L	0.003427	30.13%

B 249.772†	565.8	0.03961 mg/L	0.003171	0.03961 mg/L	0.003171	8.01%
Ba 233.527†	1.3	-0.00177 mg/L	0.001545	-0.00177 mg/L	0.001545	87.43%
Ba 455.403†	-7.2	-0.00029 mg/L	0.001023	-0.00029 mg/L	0.001023	354.04%
Ba 493.408†	257.4	0.00007 mg/L	0.000709	0.00007 mg/L	0.000709	987.26%
Be 234.861†	596.5	0.00331 mg/L	0.000779	0.00331 mg/L	0.000779	23.56%
Be 313.042†	-20.1	-0.00004 mg/L	0.000063	-0.00004 mg/L	0.000063	177.38%
Be 313.107†	17.8	0.00030 mg/L	0.000091	0.00030 mg/L	0.000091	30.22%
Ca 315.887†	451646.7	102.5 mg/L	0.95	102.5 mg/L	0.95	0.93%
QC value within limits for Ca 315.887 Recovery = 102.50%						
Ca 317.933†	1017217.1	92.46 mg/L	0.900	92.46 mg/L	0.900	0.97%
Cd 214.440†	387.6	-0.00053 mg/L	0.000051	-0.00053 mg/L	0.000051	9.55%
Cd 226.502†	238.6	-0.00203 mg/L	0.000091	-0.00203 mg/L	0.000091	4.51%
Cd 228.802†	0.2	-0.00040 mg/L	0.000697	-0.00040 mg/L	0.000697	175.02%
Ce 413.380†	96.9	0.01260 mg/L	0.015387	0.01260 mg/L	0.015387	122.16%
Ce 413.764†	-24.7	-0.02364 mg/L	0.007704	-0.02364 mg/L	0.007704	32.59%
Ce 418.660†	-3.3	-0.00335 mg/L	0.021857	-0.00335 mg/L	0.021857	653.41%
Co 228.616†	2.3	-0.00070 mg/L	0.000250	-0.00070 mg/L	0.000250	35.75%
Co 230.786†	1123.3	0.02278 mg/L	0.001434	0.02278 mg/L	0.001434	6.29%
Co 238.892†	809.1	0.03076 mg/L	0.011985	0.03076 mg/L	0.011985	38.96%
Cr 205.560†	-2.6	-0.00492 mg/L	0.008738	-0.00492 mg/L	0.008738	177.77%
Cr 267.716†	928.5	0.01121 mg/L	0.000256	0.01121 mg/L	0.000256	2.29%
Cr 283.563†	3132.2	-0.02708 mg/L	0.000733	-0.02708 mg/L	0.000733	2.71%
Cu 224.700†	43.9	0.01263 mg/L	0.008729	0.01263 mg/L	0.008729	69.09%
Cu 324.752†	1121.9	0.00193 mg/L	0.000645	0.00193 mg/L	0.000645	33.47%
Cu 327.393†	52.8	-0.00143 mg/L	0.000346	-0.00143 mg/L	0.000346	24.18%
Fe 238.204†	640527.1	96.22 mg/L	0.736	96.22 mg/L	0.736	0.76%
Fe 239.562†	463977.7	96.40 mg/L	0.793	96.40 mg/L	0.793	0.82%
Fe 259.939†	611305.8	96.27 mg/L	0.713	96.27 mg/L	0.713	0.74%
Fe 273.955†	115675.4	101.2 mg/L	0.90	101.2 mg/L	0.90	0.89%
QC value within limits for Fe 273.955 Recovery = 101.19%						
K 766.490†	283810.9	101.0 mg/L	0.60	101.0 mg/L	0.60	0.59%
QC value within limits for K 766.490 Recovery = 101.02%						
Li 610.362†	3583.8	0.4940 mg/L	0.04208	0.4940 mg/L	0.04208	8.52%
Li 670.784†	130.2	0.00223 mg/L	0.002245	0.00223 mg/L	0.002245	100.79%
Mg 279.077†	43966.8	59.00 mg/L	0.766	59.00 mg/L	0.766	1.30%
QC value within limits for Mg 279.077 Recovery = 98.33%						
Mg 280.271†	9301232.5	53.94 mg/L	0.637	53.94 mg/L	0.637	1.18%
Mg 285.213†	1066992.6	59.94 mg/L	0.354	59.94 mg/L	0.354	0.59%
Mn 257.610†	47.5	-0.00133 mg/L	0.000653	-0.00133 mg/L	0.000653	49.06%
Mn 259.372†	4398.3	-0.00780 mg/L	0.002962	-0.00780 mg/L	0.002962	37.98%
Mn 260.568†	76.7	-0.00160 mg/L	0.000271	-0.00160 mg/L	0.000271	16.95%
Mo 202.031†	8.9	0.00419 mg/L	0.000326	0.00419 mg/L	0.000326	7.77%
Mo 203.845†	3.6	0.01032 mg/L	0.008322	0.01032 mg/L	0.008322	80.65%
Mo 204.597†	31.6	0.00045 mg/L	0.000916	0.00045 mg/L	0.000916	203.95%
Na 588.995†	712558.1	101.0 mg/L	0.46	101.0 mg/L	0.46	0.45%
Na 589.592†	397279.2	94.45 mg/L	0.438	94.45 mg/L	0.438	0.46%
QC value within limits for Na 589.592 Recovery = 94.45%						
Ni 221.648†	5.5	0.00027 mg/L	0.001382	0.00027 mg/L	0.001382	516.68%
Ni 231.604†	88.0	0.00015 mg/L	0.000308	0.00015 mg/L	0.000308	206.07%
Ni 232.003†	-681.0	-0.01803 mg/L	0.000754	-0.01803 mg/L	0.000754	4.18%
P 213.617†	-26.9	0.01298 mg/L	0.003913	0.01298 mg/L	0.003913	30.15%
P 214.914†	86.8	0.00366 mg/L	0.001597	0.00366 mg/L	0.001597	43.58%
Pb 217.000†	247.5	0.02679 mg/L	0.005749	0.02679 mg/L	0.005749	21.46%
Pb 220.353†	-1.5	0.01120 mg/L	0.001148	0.01120 mg/L	0.001148	10.25%
Sb 206.836†	-1.1	-0.00606 mg/L	0.000822	-0.00606 mg/L	0.000822	13.55%
Sb 217.582†	56.0	0.01092 mg/L	0.005768	0.01092 mg/L	0.005768	52.80%
Se 196.026†	-21.5	-0.00006 mg/L	0.005976	-0.00006 mg/L	0.005976	>999.9%
Se 203.985†	140.5	0.2617 mg/L	0.00838	0.2617 mg/L	0.00838	3.20%
Si 251.611†	709.5	0.03869 mg/L	0.001705	0.03869 mg/L	0.001705	4.41%
Si 288.158†	255.5	0.03808 mg/L	0.006992	0.03808 mg/L	0.006992	18.36%
Si 252.851†	-10.1	-0.05188 mg/L	0.016174	-0.05188 mg/L	0.016174	31.17%
Sn 235.485†	15836.1	-21.55 mg/L	0.239	-21.55 mg/L	0.239	1.11%
Sn 189.927†	-70.9	-0.02036 mg/L	0.001465	-0.02036 mg/L	0.001465	7.20%
Sr 460.733†	-193.5	-1.372 mg/L	0.4029	-1.372 mg/L	0.4029	29.35%
Sr 407.771†	781.0	-0.00108 mg/L	0.000079	-0.00108 mg/L	0.000079	7.35%
Sr 421.552†	317.3	-0.00103 mg/L	0.000215	-0.00103 mg/L	0.000215	20.81%
Ti 337.279†	50.4	-0.00334 mg/L	0.000092	-0.00334 mg/L	0.000092	2.75%
Ti 334.940†	-217.1	-0.00656 mg/L	0.000260	-0.00656 mg/L	0.000260	3.97%
Ti 336.121†	63.7	-0.00206 mg/L	0.002278	-0.00206 mg/L	0.002278	110.49%
Tl 351.924†	45.3	-0.00822 mg/L	0.005567	-0.00822 mg/L	0.005567	67.71%
Tl 190.801†	-10.1	-0.00685 mg/L	0.000654	-0.00685 mg/L	0.000654	9.55%
Tl 276.787†	5949.0	2.383 mg/L	0.0884	2.383 mg/L	0.0884	3.71%

V 310.230†	144.8	0.00795 mg/L	0.001248	0.00795 mg/L	0.001248	15.69%
V 292.402†	330.9	-0.00133 mg/L	0.000179	-0.00133 mg/L	0.000179	13.48%
V 311.071†	-929.2	-0.00696 mg/L	0.000221	-0.00696 mg/L	0.000221	3.17%
Zn 206.200†	15.2	0.00921 mg/L	0.000553	0.00921 mg/L	0.000553	6.00%
Zn 213.857†	63.7	0.01039 mg/L	0.001201	0.01039 mg/L	0.001201	11.57%
Zn 202.548†	26.3	0.00531 mg/L	0.000870	0.00531 mg/L	0.000870	16.37%

All analyte(s) passed QC.

Sequence No.: 28
Sample ID: wash
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 6/15/2005 11:09:44 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: wash

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	523993.8						1155.01	0.22%
Y 360.073	3239357.7						26689.15	0.82%
Ag 328.068†	-43.6	-0.00033	mg/L	0.000230	-0.00033	mg/L	0.000230	68.75%
Ag 338.289†	-89.1	-0.00208	mg/L	0.000854	-0.00208	mg/L	0.000854	41.00%
Al 308.215†	-6.9	-0.00754	mg/L	0.007169	-0.00754	mg/L	0.007169	95.05%
Al 394.401†	28.2	0.01902	mg/L	0.005545	0.01902	mg/L	0.005545	29.15%
Al 396.153†	15.8	0.00359	mg/L	0.004959	0.00359	mg/L	0.004959	138.05%
As 188.979†	-1.8	-0.00167	mg/L	0.002601	-0.00167	mg/L	0.002601	155.86%
As 193.696†	0.4	0.00050	mg/L	0.002869	0.00050	mg/L	0.002869	576.26%
As 197.197†	-0.2	-0.00944	mg/L	0.049263	-0.00944	mg/L	0.049263	521.86%
B 208.889†	1.1	0.00672	mg/L	0.015713	0.00672	mg/L	0.015713	233.69%
B 249.677†	-5.4	-0.00257	mg/L	0.003073	-0.00257	mg/L	0.003073	119.46%
B 249.772†	-1.7	-0.00037	mg/L	0.000134	-0.00037	mg/L	0.000134	36.41%
Ba 233.527†	-5.0	-0.00098	mg/L	0.000517	-0.00098	mg/L	0.000517	53.02%
Ba 455.403†	49.8	0.00027	mg/L	0.000778	0.00027	mg/L	0.000778	288.96%
Ba 493.408†	-196.9	-0.00066	mg/L	0.000390	-0.00066	mg/L	0.000390	59.33%
Be 234.861†	2.1	0.00005	mg/L	0.000114	0.00005	mg/L	0.000114	235.11%
Be 313.042†	-72.5	-0.00019	mg/L	0.000059	-0.00019	mg/L	0.000059	31.11%
Be 313.107†	-41.2	-0.00027	mg/L	0.000123	-0.00027	mg/L	0.000123	45.72%
Ca 315.887†	43.2	0.00980	mg/L	0.003737	0.00980	mg/L	0.003737	38.12%
Ca 317.933†	281.9	0.02607	mg/L	0.003684	0.02607	mg/L	0.003684	14.13%
Cd 214.440†	-1.5	0.00004	mg/L	0.000096	0.00004	mg/L	0.000096	264.48%
Cd 226.502†	23.4	0.00053	mg/L	0.000225	0.00053	mg/L	0.000225	42.14%
Cd 228.802†	1.1	0.00047	mg/L	0.001177	0.00047	mg/L	0.001177	248.55%
Ce 413.380†	12.1	0.00471	mg/L	0.026528	0.00471	mg/L	0.026528	563.12%
Ce 413.764†	-12.3	-0.00399	mg/L	0.009110	-0.00399	mg/L	0.009110	228.55%
Ce 418.660†	-6.0	-0.00165	mg/L	0.016275	-0.00165	mg/L	0.016275	984.42%
Co 228.616†	-8.6	-0.00031	mg/L	0.000313	-0.00031	mg/L	0.000313	101.85%
Co 230.786†	-101.9	-0.00464	mg/L	0.000905	-0.00464	mg/L	0.000905	19.52%
Co 238.892†	1.9	0.00060	mg/L	0.000808	0.00060	mg/L	0.000808	133.71%
Cr 205.560†	0.1	0.00011	mg/L	0.000686	0.00011	mg/L	0.000686	596.50%
Cr 267.716†	-10.3	-0.00018	mg/L	0.000228	-0.00018	mg/L	0.000228	123.14%
Cr 283.563†	-445.1	-0.00311	mg/L	0.000125	-0.00311	mg/L	0.000125	4.02%
Cu 224.700†	-5.9	-0.00838	mg/L	0.000389	-0.00838	mg/L	0.000389	4.64%
Cu 324.752†	161.8	0.00080	mg/L	0.000568	0.00080	mg/L	0.000568	71.22%
Cu 327.393†	-56.9	-0.00064	mg/L	0.000941	-0.00064	mg/L	0.000941	147.18%
Fe 238.204†	85.4	0.01295	mg/L	0.001857	0.01295	mg/L	0.001857	14.35%
Fe 239.562†	65.9	0.01382	mg/L	0.001105	0.01382	mg/L	0.001105	8.00%
Fe 259.939†	89.0	0.01415	mg/L	0.001146	0.01415	mg/L	0.001146	8.10%
Fe 273.955†	18.7	0.01653	mg/L	0.000588	0.01653	mg/L	0.000588	3.56%
K 766.490†	-958.0	-0.3410	mg/L	0.04277	-0.3410	mg/L	0.04277	12.54%
Li 610.362†	-1324.6	-0.1826	mg/L	0.02012	-0.1826	mg/L	0.02012	11.02%
Li 670.784†	7.0	0.00012	mg/L	0.001719	0.00012	mg/L	0.001719	>999.9%
Mg 279.077†	7.3	0.00982	mg/L	0.007564	0.00982	mg/L	0.007564	77.00%
Mg 280.271†	1475.7	0.00861	mg/L	0.001065	0.00861	mg/L	0.001065	12.37%
Mg 285.213†	172.6	0.00975	mg/L	0.000869	0.00975	mg/L	0.000869	8.91%
Mn 257.610†	-1.4	-0.00004	mg/L	0.000198	-0.00004	mg/L	0.000198	466.64%
Mn 259.372†	-4.5	-0.00012	mg/L	0.000196	-0.00012	mg/L	0.000196	160.66%
Mn 260.568†	3.4	0.00020	mg/L	0.000191	0.00020	mg/L	0.000191	96.59%
Mo 202.031†	5.8	0.00055	mg/L	0.000191	0.00055	mg/L	0.000191	34.57%
Mo 203.845†	-0.2	-0.00099	mg/L	0.002991	-0.00099	mg/L	0.002991	303.36%
Mo 204.597†	2.5	0.00040	mg/L	0.000527	0.00040	mg/L	0.000527	130.58%
Na 588.995†	-2777.2	-0.3922	mg/L	0.01675	-0.3922	mg/L	0.01675	4.27%

Na 589.592†	-36.2	-0.00813	mg/L	0.005094	-0.00813	mg/L	0.005094	62.64%
Ni 221.648†	1.2	0.00107	mg/L	0.002036	0.00107	mg/L	0.002036	189.80%
Ni 231.604†	4.6	0.00019	mg/L	0.000527	0.00019	mg/L	0.000527	272.89%
Ni 232.003†	2.4	0.00022	mg/L	0.000432	0.00022	mg/L	0.000432	195.98%
P 213.617†	-10.2	-0.00563	mg/L	0.006336	-0.00563	mg/L	0.006336	112.57%
P 214.914†	-4.6	-0.00313	mg/L	0.003448	-0.00313	mg/L	0.003448	110.06%
Pb 217.000†	-7.2	-0.00486	mg/L	0.004202	-0.00486	mg/L	0.004202	86.49%
Pb 220.353†	-6.3	-0.00102	mg/L	0.001285	-0.00102	mg/L	0.001285	125.59%
Sb 206.836†	4.4	0.00195	mg/L	0.003135	0.00195	mg/L	0.003135	160.79%
Sb 217.582†	12.7	0.00527	mg/L	0.004186	0.00527	mg/L	0.004186	79.41%
Se 196.026†	-2.6	-0.00253	mg/L	0.004072	-0.00253	mg/L	0.004072	161.07%
Se 203.985†	7.5	0.01306	mg/L	0.004887	0.01306	mg/L	0.004887	37.40%
Si 251.611†	210.8	0.01460	mg/L	0.000606	0.01460	mg/L	0.000606	4.15%
Si 288.158†	58.7	0.01223	mg/L	0.001456	0.01223	mg/L	0.001456	11.90%
Si 252.851†	3.9	0.01088	mg/L	0.008904	0.01088	mg/L	0.008904	81.83%
Sn 235.485†	3.0	-0.00443	mg/L	0.007311	-0.00443	mg/L	0.007311	164.85%
Sn 189.927†	2.6	0.00085	mg/L	0.000844	0.00085	mg/L	0.000844	99.14%
Sr 460.733†	-93.2	-0.6538	mg/L	0.38635	-0.6538	mg/L	0.38635	59.10%
Sr 407.771†	-98.8	-0.00010	mg/L	0.000092	-0.00010	mg/L	0.000092	93.68%
Sr 421.552†	-38.3	-0.00012	mg/L	0.000150	-0.00012	mg/L	0.000150	128.65%
Ti 337.279†	-9.7	-0.00040	mg/L	0.000377	-0.00040	mg/L	0.000377	95.43%
Ti 334.940†	5.9	0.00017	mg/L	0.000066	0.00017	mg/L	0.000066	38.02%
Ti 336.121†	-26.7	-0.00124	mg/L	0.000645	-0.00124	mg/L	0.000645	52.11%
Tl 351.924†	-102.5	-0.02896	mg/L	0.019258	-0.02896	mg/L	0.019258	66.50%
Tl 190.801†	-2.0	-0.00172	mg/L	0.002729	-0.00172	mg/L	0.002729	158.33%
Tl 276.787†	-12.8	-0.00611	mg/L	0.006485	-0.00611	mg/L	0.006485	106.17%
V 310.230†	3.6	0.00023	mg/L	0.001151	0.00023	mg/L	0.001151	502.60%
V 292.402†	9.2	0.00011	mg/L	0.000129	0.00011	mg/L	0.000129	120.90%
V 311.071†	-8.4	-0.00007	mg/L	0.000496	-0.00007	mg/L	0.000496	740.15%
Zn 206.200†	1.8	0.00182	mg/L	0.000251	0.00182	mg/L	0.000251	13.77%
Zn 213.857†	-1.1	-0.00038	mg/L	0.000751	-0.00038	mg/L	0.000751	200.03%
Zn 202.548†	0.6	0.00041	mg/L	0.000275	0.00041	mg/L	0.000275	67.50%

Sequence No.: 29
Sample ID: B506033-BLK1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 6/15/2005 11:13:54 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: B506033-BLK1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	522129.5						82.86	0.02%
Y 360.073	3201648.1						37385.67	1.17%
Ag 328.068†	49.2	0.00032	mg/L	0.000100	0.00032	mg/L	0.000100	31.15%
Ag 338.289†	-62.1	-0.00148	mg/L	0.000681	-0.00148	mg/L	0.000681	45.94%
Al 308.215†	-16.5	-0.01846	mg/L	0.005283	-0.01846	mg/L	0.005283	28.62%
Al 394.401†	-1.7	0.00009	mg/L	0.001989	0.00009	mg/L	0.001989	>999.9%
Al 396.153†	-132.9	-0.02703	mg/L	0.009159	-0.02703	mg/L	0.009159	33.88%
As 188.979†	0.9	0.00117	mg/L	0.000876	0.00117	mg/L	0.000876	74.59%
As 193.696†	-2.1	-0.00141	mg/L	0.001321	-0.00141	mg/L	0.001321	93.46%
As 197.197†	1.4	0.07175	mg/L	0.111117	0.07175	mg/L	0.111117	154.87%
B 208.889†	1.1	0.00672	mg/L	0.007777	0.00672	mg/L	0.007777	115.65%
B 249.677†	-3.8	-0.00180	mg/L	0.000600	-0.00180	mg/L	0.000600	33.35%
B 249.772†	0.1	0.00007	mg/L	0.001191	0.00007	mg/L	0.001191	>999.9%
Ba 233.527†	-3.8	-0.00073	mg/L	0.000780	-0.00073	mg/L	0.000780	106.29%
Ba 455.403†	-81.9	-0.00034	mg/L	0.000283	-0.00034	mg/L	0.000283	82.63%
Ba 493.408†	-174.8	-0.00058	mg/L	0.000761	-0.00058	mg/L	0.000761	131.87%
Be 234.861†	4.9	0.00012	mg/L	0.000045	0.00012	mg/L	0.000045	37.93%
Be 313.042†	-49.6	-0.00013	mg/L	0.000048	-0.00013	mg/L	0.000048	36.46%
Be 313.107†	26.3	0.00017	mg/L	0.000098	0.00017	mg/L	0.000098	59.13%
Ca 315.887†	80.2	0.01820	mg/L	0.003057	0.01820	mg/L	0.003057	16.79%
Ca 317.933†	292.1	0.02705	mg/L	0.002366	0.02705	mg/L	0.002366	8.75%
Cd 214.440†	-6.0	-0.00002	mg/L	0.000056	-0.00002	mg/L	0.000056	311.66%
Cd 226.502†	20.8	0.00048	mg/L	0.000195	0.00048	mg/L	0.000195	40.77%
Cd 228.802†	2.3	0.00104	mg/L	0.000947	0.00104	mg/L	0.000947	91.24%
Ce 413.380†	31.3	0.01205	mg/L	0.015525	0.01205	mg/L	0.015525	128.79%
Ce 413.764†	-57.3	-0.01908	mg/L	0.010188	-0.01908	mg/L	0.010188	53.39%
Ce 418.660†	-33.4	-0.00885	mg/L	0.006378	-0.00885	mg/L	0.006378	72.07%
Co 228.616†	-0.7	-0.00002	mg/L	0.000269	-0.00002	mg/L	0.000269	>999.9%

Co 230.786†	-92.0	-0.00418	mg/L	0.000807	-0.00418	mg/L	0.000807	19.30%
Co 238.892†	-1.1	-0.00039	mg/L	0.000871	-0.00039	mg/L	0.000871	223.45%
Cr 205.560†	-2.1	-0.00386	mg/L	0.003726	-0.00386	mg/L	0.003726	96.55%
Cr 267.716†	-16.5	-0.00031	mg/L	0.000236	-0.00031	mg/L	0.000236	77.17%
Cr 283.563†	-442.4	-0.00308	mg/L	0.000427	-0.00308	mg/L	0.000427	13.85%
Cu 224.700†	-3.3	-0.00454	mg/L	0.002753	-0.00454	mg/L	0.002753	60.62%
Cu 324.752†	226.6	0.00110	mg/L	0.000330	0.00110	mg/L	0.000330	29.82%
Cu 327.393†	-14.5	-0.00014	mg/L	0.000968	-0.00014	mg/L	0.000968	678.61%
Fe 238.204†	3.6	0.00068	mg/L	0.000551	0.00068	mg/L	0.000551	81.30%
Fe 239.562†	7.5	0.00171	mg/L	0.000898	0.00171	mg/L	0.000898	52.38%
Fe 259.939†	11.3	0.00192	mg/L	0.000675	0.00192	mg/L	0.000675	35.09%
Fe 273.955†	9.7	0.00863	mg/L	0.003317	0.00863	mg/L	0.003317	38.42%
K 766.490†	-713.3	-0.2539	mg/L	0.07302	-0.2539	mg/L	0.07302	28.76%
Li 610.362†	-982.1	-0.1354	mg/L	0.03639	-0.1354	mg/L	0.03639	26.89%
Li 670.784†	238.8	0.00408	mg/L	0.001602	0.00408	mg/L	0.001602	39.22%
Mg 279.077†	5.9	0.00799	mg/L	0.015040	0.00799	mg/L	0.015040	188.31%
Mg 280.271†	409.5	0.00243	mg/L	0.000082	0.00243	mg/L	0.000082	3.37%
Mg 285.213†	59.5	0.00341	mg/L	0.000225	0.00341	mg/L	0.000225	6.60%
Mn 257.610†	3.9	0.00014	mg/L	0.000151	0.00014	mg/L	0.000151	106.79%
Mn 259.372†	0.2	0.00000	mg/L	0.000176	0.00000	mg/L	0.000176	>999.9%
Mn 260.568†	-1.3	-0.00007	mg/L	0.000098	-0.00007	mg/L	0.000098	143.30%
Mo 202.031†	6.4	0.00061	mg/L	0.000061	0.00061	mg/L	0.000061	10.01%
Mo 203.845†	0.3	0.00165	mg/L	0.017549	0.00165	mg/L	0.017549	>999.9%
Mo 204.597†	-1.0	-0.00019	mg/L	0.000197	-0.00019	mg/L	0.000197	104.42%
Na 588.995†	-2329.1	-0.3286	mg/L	0.03328	-0.3286	mg/L	0.03328	10.13%
Na 589.592†	-50.5	-0.01150	mg/L	0.021181	-0.01150	mg/L	0.021181	184.12%
Ni 221.648†	-0.1	-0.00009	mg/L	0.001218	-0.00009	mg/L	0.001218	>999.9%
Ni 231.604†	16.0	0.00064	mg/L	0.000295	0.00064	mg/L	0.000295	46.30%
Ni 232.003†	-11.5	-0.00088	mg/L	0.001328	-0.00088	mg/L	0.001328	150.98%
P 213.617†	-11.7	-0.00674	mg/L	0.002350	-0.00674	mg/L	0.002350	34.88%
P 214.914†	-6.5	-0.00446	mg/L	0.004810	-0.00446	mg/L	0.004810	107.76%
Pb 217.000†	-1.9	-0.00123	mg/L	0.001394	-0.00123	mg/L	0.001394	113.53%
Pb 220.353†	-6.3	-0.00102	mg/L	0.001015	-0.00102	mg/L	0.001015	99.74%
Sb 206.836†	0.5	0.00026	mg/L	0.002106	0.00026	mg/L	0.002106	795.29%
Sb 217.582†	20.6	0.00856	mg/L	0.003360	0.00856	mg/L	0.003360	39.23%
Se 196.026†	0.5	0.00050	mg/L	0.004005	0.00050	mg/L	0.004005	806.96%
Se 203.985†	4.5	0.00879	mg/L	0.003814	0.00879	mg/L	0.003814	43.39%
Si 251.611†	142.8	0.01003	mg/L	0.000975	0.01003	mg/L	0.000975	9.71%
Si 288.158†	50.9	0.01074	mg/L	0.002881	0.01074	mg/L	0.002881	26.83%
Si 252.851†	2.8	0.00887	mg/L	0.012104	0.00887	mg/L	0.012104	136.43%
Sn 235.485†	17.8	0.00421	mg/L	0.002762	0.00421	mg/L	0.002762	65.68%
Sn 189.927†	0.6	0.00019	mg/L	0.000278	0.00019	mg/L	0.000278	148.78%
Sr 460.733†	-100.5	-0.7051	mg/L	0.98648	-0.7051	mg/L	0.98648	139.90%
Sr 407.771†	-66.4	-0.00007	mg/L	0.000082	-0.00007	mg/L	0.000082	124.67%
Sr 421.552†	-54.8	-0.00017	mg/L	0.000190	-0.00017	mg/L	0.000190	113.54%
Ti 337.279†	-3.5	-0.00014	mg/L	0.000313	-0.00014	mg/L	0.000313	220.60%
Ti 334.940†	17.3	0.00050	mg/L	0.000419	0.00050	mg/L	0.000419	83.67%
Ti 336.121†	38.9	0.00183	mg/L	0.001466	0.00183	mg/L	0.001466	80.04%
Tl 351.924†	-104.8	-0.02961	mg/L	0.022540	-0.02961	mg/L	0.022540	76.12%
Tl 190.801†	0.0	0.00007	mg/L	0.003489	0.00007	mg/L	0.003489	>999.9%
Tl 276.787†	-4.4	-0.00211	mg/L	0.003681	-0.00211	mg/L	0.003681	174.22%
V 310.230†	13.9	0.00076	mg/L	0.000460	0.00076	mg/L	0.000460	60.22%
V 292.402†	17.5	0.00021	mg/L	0.000178	0.00021	mg/L	0.000178	82.91%
V 311.071†	-9.2	-0.00008	mg/L	0.000467	-0.00008	mg/L	0.000467	586.84%
Zn 206.200†	1.8	0.00186	mg/L	0.001527	0.00186	mg/L	0.001527	82.02%
Zn 213.857†	3.4	0.00132	mg/L	0.000250	0.00132	mg/L	0.000250	18.95%
Zn 202.548†	3.0	0.00161	mg/L	0.001113	0.00161	mg/L	0.001113	69.23%

Sequence No.: 30
Sample ID: B506033-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 6/15/2005 11:18:02 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: B506033-BS1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	477521.6						5988.80	1.25%
Y 360.073	3101962.6						48191.72	1.55%
Ag 328.068†	2923.6	0.02475	mg/L	0.000979	0.02475	mg/L	0.000979	3.96%

Ag 338.289†	1050.8	0.02394 mg/L	0.000393	0.02394 mg/L	0.000393	1.64%
Al 308.215†	926.5	1.045 mg/L	0.0179	1.045 mg/L	0.0179	1.71%
Al 394.401†	1798.6	1.124 mg/L	0.0135	1.124 mg/L	0.0135	1.20%
Al 396.153†	5405.4	1.079 mg/L	0.0901	1.079 mg/L	0.0901	8.35%
As 188.979†	172.9	0.1819 mg/L	0.00197	0.1819 mg/L	0.00197	1.08%
As 193.696†	266.2	0.1989 mg/L	0.00376	0.1989 mg/L	0.00376	1.89%
As 197.197†	2.0	0.1136 mg/L	0.05130	0.1136 mg/L	0.05130	45.15%
B 208.889†	161.7	0.9507 mg/L	0.01585	0.9507 mg/L	0.01585	1.67%
B 249.677†	1877.8	0.9324 mg/L	0.01081	0.9324 mg/L	0.01081	1.16%
B 249.772†	3988.9	0.9328 mg/L	0.01089	0.9328 mg/L	0.01089	1.17%
Ba 233.527†	940.5	0.1925 mg/L	0.00259	0.1925 mg/L	0.00259	1.35%
Ba 455.403†	42391.1	0.1977 mg/L	0.00417	0.1977 mg/L	0.00417	2.11%
Ba 493.408†	56312.0	0.1986 mg/L	0.00402	0.1986 mg/L	0.00402	2.02%
Be 234.861†	416.7	0.01010 mg/L	0.000229	0.01010 mg/L	0.000229	2.26%
Be 313.042†	3883.0	0.01003 mg/L	0.000571	0.01003 mg/L	0.000571	5.69%
Be 313.107†	1537.9	0.01002 mg/L	0.000546	0.01002 mg/L	0.000546	5.45%
Ca 315.887†	245855.9	55.80 mg/L	0.890	55.80 mg/L	0.890	1.60%
Ca 317.933†	512426.5	46.58 mg/L	0.573	46.58 mg/L	0.573	1.23%
Cd 214.440†	3704.2	0.04855 mg/L	0.000869	0.04855 mg/L	0.000869	1.79%
Cd 226.502†	2117.2	0.04833 mg/L	0.000532	0.04833 mg/L	0.000532	1.10%
Cd 228.802†	107.4	0.04730 mg/L	0.001674	0.04730 mg/L	0.001674	3.54%
Ce 413.380†	1428.2	0.5441 mg/L	0.03132	0.5441 mg/L	0.03132	5.76%
Ce 413.764†	1559.7	0.5210 mg/L	0.02007	0.5210 mg/L	0.02007	3.85%
Ce 418.660†	1923.6	0.5061 mg/L	0.02681	0.5061 mg/L	0.02681	5.30%
Co 228.616†	2534.9	0.09114 mg/L	0.001430	0.09114 mg/L	0.001430	1.57%
Co 230.786†	2070.1	0.09250 mg/L	0.002005	0.09250 mg/L	0.002005	2.17%
Co 238.892†	306.9	0.1013 mg/L	0.00122	0.1013 mg/L	0.00122	1.20%
Cr 205.560†	47.8	0.09070 mg/L	0.004576	0.09070 mg/L	0.004576	5.05%
Cr 267.716†	5077.1	0.09713 mg/L	0.001696	0.09713 mg/L	0.001696	1.75%
Cr 283.563†	12642.5	0.08774 mg/L	0.001387	0.08774 mg/L	0.001387	1.58%
Cu 224.700†	68.0	0.1011 mg/L	0.00154	0.1011 mg/L	0.00154	1.52%
Cu 324.752†	20301.6	0.09463 mg/L	0.001508	0.09463 mg/L	0.001508	1.59%
Cu 327.393†	7819.3	0.09061 mg/L	0.001131	0.09061 mg/L	0.001131	1.25%
Fe 238.204†	7041.7	1.054 mg/L	0.0770	1.054 mg/L	0.0770	7.30%
Fe 239.562†	5055.6	1.046 mg/L	0.0675	1.046 mg/L	0.0675	6.45%
Fe 259.939†	6704.1	1.052 mg/L	0.0754	1.052 mg/L	0.0754	7.17%
Fe 273.955†	1268.2	1.105 mg/L	0.0123	1.105 mg/L	0.0123	1.12%
K 766.490†	77504.7	27.59 mg/L	0.583	27.59 mg/L	0.583	2.11%
Li 610.362†	3590.1	0.4949 mg/L	0.08005	0.4949 mg/L	0.08005	16.18%
Li 670.784†	6323.5	0.1082 mg/L	0.00560	0.1082 mg/L	0.00560	5.18%
Mg 279.077†	15052.8	20.21 mg/L	0.316	20.21 mg/L	0.316	1.56%
Mg 280.271†	3401927.4	19.73 mg/L	0.242	19.73 mg/L	0.242	1.23%
Mg 285.213†	358625.6	20.15 mg/L	0.247	20.15 mg/L	0.247	1.23%
Mn 257.610†	5576.1	0.1928 mg/L	0.00399	0.1928 mg/L	0.00399	2.07%
Mn 259.372†	7325.8	0.1870 mg/L	0.00253	0.1870 mg/L	0.00253	1.36%
Mn 260.568†	3493.2	0.1994 mg/L	0.00220	0.1994 mg/L	0.00220	1.10%
Mo 202.031†	1105.0	0.1012 mg/L	0.00107	0.1012 mg/L	0.00107	1.06%
Mo 203.845†	19.3	0.1072 mg/L	0.00494	0.1072 mg/L	0.00494	4.61%
Mo 204.597†	597.1	0.09988 mg/L	0.001260	0.09988 mg/L	0.001260	1.26%
Na 588.995†	367383.5	52.09 mg/L	0.722	52.09 mg/L	0.722	1.39%
Na 589.592†	204464.3	48.62 mg/L	0.620	48.62 mg/L	0.620	1.27%
Ni 221.648†	232.7	0.1984 mg/L	0.00251	0.1984 mg/L	0.00251	1.26%
Ni 231.604†	4972.2	0.1920 mg/L	0.00306	0.1920 mg/L	0.00306	1.59%
Ni 232.003†	2253.5	0.1958 mg/L	0.00213	0.1958 mg/L	0.00213	1.09%
P 213.617†	14.4	0.00232 mg/L	0.002435	0.00232 mg/L	0.002435	104.87%
P 214.914†	-15.3	-0.01337 mg/L	0.003288	-0.01337 mg/L	0.003288	24.59%
Pb 217.000†	730.3	0.4912 mg/L	0.00417	0.4912 mg/L	0.00417	0.85%
Pb 220.353†	3026.7	0.4855 mg/L	0.00774	0.4855 mg/L	0.00774	1.59%
Sb 206.836†	1082.5	0.4771 mg/L	0.00525	0.4771 mg/L	0.00525	1.10%
Sb 217.582†	1188.6	0.4923 mg/L	0.01304	0.4923 mg/L	0.01304	2.65%
Se 196.026†	519.3	0.5069 mg/L	0.01454	0.5069 mg/L	0.01454	2.87%
Se 203.985†	332.7	0.5502 mg/L	0.00763	0.5502 mg/L	0.00763	1.39%
Si 251.611†	372.5	0.01635 mg/L	0.000791	0.01635 mg/L	0.000791	4.84%
Si 288.158†	107.4	0.01507 mg/L	0.003650	0.01507 mg/L	0.003650	24.23%
Si 252.851†	174.2	0.08014 mg/L	0.015160	0.08014 mg/L	0.015160	18.92%
Sn 235.485†	1307.2	0.2624 mg/L	0.01146	0.2624 mg/L	0.01146	4.37%
Sn 189.927†	1377.1	0.4596 mg/L	0.00853	0.4596 mg/L	0.00853	1.86%
Sr 460.733†	-151.8	-1.073 mg/L	0.0954	-1.073 mg/L	0.0954	8.89%
Sr 407.771†	1003763.9	0.9936 mg/L	0.01225	0.9936 mg/L	0.01225	1.23%
Sr 421.552†	325701.9	0.9926 mg/L	0.01224	0.9926 mg/L	0.01224	1.23%
Ti 337.279†	2770.4	0.1099 mg/L	0.00137	0.1099 mg/L	0.00137	1.24%
Ti 334.940†	3545.4	0.1020 mg/L	0.00169	0.1020 mg/L	0.00169	1.66%

Ti 336.121†	2292.4	0.1045 mg/L	0.00379	0.1045 mg/L	0.00379	3.63%
Tl 351.924†	2087.6	0.5352 mg/L	0.01513	0.5352 mg/L	0.01513	2.83%
Tl 190.801†	561.7	0.4887 mg/L	0.00421	0.4887 mg/L	0.00421	0.86%
Tl 276.787†	3159.0	1.370 mg/L	0.0116	1.370 mg/L	0.0116	0.85%
V 310.230†	2391.1	0.1227 mg/L	0.00215	0.1227 mg/L	0.00215	1.75%
V 292.402†	7659.3	0.09326 mg/L	0.001311	0.09326 mg/L	0.001311	1.41%
V 311.071†	11995.7	0.09344 mg/L	0.000530	0.09344 mg/L	0.000530	0.57%
Zn 206.200†	963.2	0.9703 mg/L	0.00808	0.9703 mg/L	0.00808	0.83%
Zn 213.857†	2633.0	0.9880 mg/L	0.01042	0.9880 mg/L	0.01042	1.05%
Zn 202.548†	1895.3	0.9750 mg/L	0.00686	0.9750 mg/L	0.00686	0.70%

Sequence No.: 31
Sample ID: 0505010-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 6/15/2005 11:22:19 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 0505010-02

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	515110.3						8082.51	1.57%
Y 360.073	3231904.9						24726.81	0.77%
Ag 328.068†	63.6	0.00040	mg/L	0.000235	0.00040	mg/L	0.000235	58.93%
Ag 338.289†	-79.4	-0.00193	mg/L	0.001223	-0.00193	mg/L	0.001223	63.25%
Al 308.215†	-5.5	-0.00564	mg/L	0.006663	-0.00564	mg/L	0.006663	118.04%
Al 394.401†	13.7	0.01101	mg/L	0.006177	0.01101	mg/L	0.006177	56.10%
Al 396.153†	-66.9	-0.01293	mg/L	0.003044	-0.01293	mg/L	0.003044	23.55%
As 188.979†	-0.3	-0.00005	mg/L	0.001764	-0.00005	mg/L	0.001764	>999.9%
As 193.696†	-1.5	-0.00087	mg/L	0.001264	-0.00087	mg/L	0.001264	145.21%
As 197.197†	0.6	0.03048	mg/L	0.096935	0.03048	mg/L	0.096935	318.03%
B 208.889†	9.3	0.05523	mg/L	0.020645	0.05523	mg/L	0.020645	37.38%
B 249.677†	89.7	0.04472	mg/L	0.000931	0.04472	mg/L	0.000931	2.08%
B 249.772†	187.1	0.04391	mg/L	0.001612	0.04391	mg/L	0.001612	3.67%
Ba 233.527†	-5.1	-0.00098	mg/L	0.001004	-0.00098	mg/L	0.001004	102.58%
Ba 455.403†	105.0	0.00055	mg/L	0.000245	0.00055	mg/L	0.000245	44.44%
Ba 493.408†	6.5	0.00008	mg/L	0.000369	0.00008	mg/L	0.000369	435.92%
Be 234.861†	-1.5	-0.00004	mg/L	0.000088	-0.00004	mg/L	0.000088	224.23%
Be 313.042†	-72.3	-0.00019	mg/L	0.000012	-0.00019	mg/L	0.000012	6.46%
Be 313.107†	-76.2	-0.00050	mg/L	0.000023	-0.00050	mg/L	0.000023	4.70%
Ca 315.887†	201.4	0.04570	mg/L	0.000569	0.04570	mg/L	0.000569	1.24%
Ca 317.933†	586.0	0.05402	mg/L	0.001950	0.05402	mg/L	0.001950	3.61%
Cd 214.440†	-5.2	0.00002	mg/L	0.000035	0.00002	mg/L	0.000035	145.50%
Cd 226.502†	24.6	0.00056	mg/L	0.000142	0.00056	mg/L	0.000142	25.19%
Cd 228.802†	1.9	0.00083	mg/L	0.000592	0.00083	mg/L	0.000592	70.99%
Ce 413.380†	4.9	0.00201	mg/L	0.022648	0.00201	mg/L	0.022648	>999.9%
Ce 413.764†	1.8	0.00081	mg/L	0.020177	0.00081	mg/L	0.020177	>999.9%
Ce 418.660†	-55.6	-0.01473	mg/L	0.019067	-0.01473	mg/L	0.019067	129.41%
Co 228.616†	-3.8	-0.00013	mg/L	0.000147	-0.00013	mg/L	0.000147	113.74%
Co 230.786†	-102.9	-0.00466	mg/L	0.000393	-0.00466	mg/L	0.000393	8.42%
Co 238.892†	-1.0	-0.00034	mg/L	0.001615	-0.00034	mg/L	0.001615	468.68%
Cr 205.560†	0.0	0.00003	mg/L	0.004007	0.00003	mg/L	0.004007	>999.9%
Cr 267.716†	-4.9	-0.00006	mg/L	0.000312	-0.00006	mg/L	0.000312	486.33%
Cr 283.563†	-514.5	-0.00358	mg/L	0.000423	-0.00358	mg/L	0.000423	11.83%
Cu 224.700†	-3.0	-0.00374	mg/L	0.000196	-0.00374	mg/L	0.000196	5.23%
Cu 324.752†	291.3	0.00143	mg/L	0.000535	0.00143	mg/L	0.000535	37.34%
Cu 327.393†	29.7	0.00038	mg/L	0.000354	0.00038	mg/L	0.000354	91.97%
Fe 238.204†	10.2	0.00174	mg/L	0.000774	0.00174	mg/L	0.000774	44.50%
Fe 239.562†	8.7	0.00204	mg/L	0.000267	0.00204	mg/L	0.000267	13.09%
Fe 259.939†	9.3	0.00168	mg/L	0.000703	0.00168	mg/L	0.000703	41.85%
Fe 273.955†	3.1	0.00293	mg/L	0.001036	0.00293	mg/L	0.001036	35.32%
K 766.490†	-242.1	-0.08617	mg/L	0.161645	-0.08617	mg/L	0.161645	187.60%
Li 610.362†	-417.4	-0.05754	mg/L	0.042992	-0.05754	mg/L	0.042992	74.72%
Li 670.784†	153.2	0.00262	mg/L	0.001683	0.00262	mg/L	0.001683	64.24%
Mg 279.077†	6.9	0.00945	mg/L	0.010085	0.00945	mg/L	0.010085	106.76%
Mg 280.271†	917.2	0.00541	mg/L	0.000522	0.00541	mg/L	0.000522	9.65%
Mg 285.213†	114.4	0.00653	mg/L	0.000350	0.00653	mg/L	0.000350	5.36%
Mn 257.610†	4.1	0.00015	mg/L	0.000122	0.00015	mg/L	0.000122	80.40%
Mn 259.372†	-4.5	-0.00007	mg/L	0.000200	-0.00007	mg/L	0.000200	275.39%
Mn 260.568†	2.6	0.00016	mg/L	0.000250	0.00016	mg/L	0.000250	158.67%
Mo 202.031†	6.1	0.00058	mg/L	0.000159	0.00058	mg/L	0.000159	27.26%

Mo 203.845†	-1.1	-0.00647	mg/L	0.012750	-0.00647	mg/L	0.012750	197.15%
Mo 204.597†	2.0	0.00031	mg/L	0.000502	0.00031	mg/L	0.000502	160.22%
Na 588.995†	9995.6	1.420	mg/L	0.0463	1.420	mg/L	0.0463	3.26%
Na 589.592†	6495.6	1.546	mg/L	0.0263	1.546	mg/L	0.0263	1.70%
Ni 221.648†	2.8	0.00245	mg/L	0.000607	0.00245	mg/L	0.000607	24.76%
Ni 231.604†	13.4	0.00054	mg/L	0.000209	0.00054	mg/L	0.000209	38.46%
Ni 232.003†	-3.9	-0.00030	mg/L	0.000508	-0.00030	mg/L	0.000508	169.22%
P 213.617†	-14.2	-0.00823	mg/L	0.000340	-0.00823	mg/L	0.000340	4.13%
P 214.914†	-6.8	-0.00461	mg/L	0.004045	-0.00461	mg/L	0.004045	87.70%
Pb 217.000†	0.3	0.00029	mg/L	0.005696	0.00029	mg/L	0.005696	>999.9%
Pb 220.353†	-5.0	-0.00081	mg/L	0.000485	-0.00081	mg/L	0.000485	59.89%
Sb 206.836†	0.3	0.00018	mg/L	0.002392	0.00018	mg/L	0.002392	>999.9%
Sb 217.582†	14.6	0.00612	mg/L	0.002963	0.00612	mg/L	0.002963	48.43%
Se 196.026†	1.1	0.00107	mg/L	0.002405	0.00107	mg/L	0.002405	224.16%
Se 203.985†	9.2	0.01603	mg/L	0.001234	0.01603	mg/L	0.001234	7.70%
Si 251.611†	13164.5	0.8829	mg/L	0.01200	0.8829	mg/L	0.01200	1.36%
Si 288.158†	4413.8	0.8824	mg/L	0.01137	0.8824	mg/L	0.01137	1.29%
Si 252.851†	306.9	0.9474	mg/L	0.01205	0.9474	mg/L	0.01205	1.27%
Sn 235.485†	12.5	0.00284	mg/L	0.003186	0.00284	mg/L	0.003186	112.23%
Sn 189.927†	5.9	0.00195	mg/L	0.000530	0.00195	mg/L	0.000530	27.16%
Sr 460.733†	-155.5	-1.091	mg/L	0.3839	-1.091	mg/L	0.3839	35.19%
Sr 407.771†	258.6	0.00026	mg/L	0.000029	0.00026	mg/L	0.000029	11.19%
Sr 421.552†	3.5	0.00001	mg/L	0.000212	0.00001	mg/L	0.000212	>999.9%
Ti 337.279†	-5.1	-0.00021	mg/L	0.000226	-0.00021	mg/L	0.000226	107.08%
Ti 334.940†	15.2	0.00044	mg/L	0.000115	0.00044	mg/L	0.000115	26.17%
Ti 336.121†	18.0	0.00086	mg/L	0.001550	0.00086	mg/L	0.001550	180.93%
Tl 351.924†	-126.0	-0.03625	mg/L	0.003950	-0.03625	mg/L	0.003950	10.90%
Tl 190.801†	-2.9	-0.00249	mg/L	0.001693	-0.00249	mg/L	0.001693	68.07%
Tl 276.787†	3.4	0.00149	mg/L	0.004656	0.00149	mg/L	0.004656	312.76%
V 310.230†	14.0	0.00080	mg/L	0.001305	0.00080	mg/L	0.001305	163.12%
V 292.402†	12.9	0.00014	mg/L	0.000268	0.00014	mg/L	0.000268	196.93%
V 311.071†	-45.2	-0.00036	mg/L	0.000357	-0.00036	mg/L	0.000357	99.75%
Zn 206.200†	4.0	0.00407	mg/L	0.000302	0.00407	mg/L	0.000302	7.41%
Zn 213.857†	7.2	0.00276	mg/L	0.000368	0.00276	mg/L	0.000368	13.36%
Zn 202.548†	4.5	0.00241	mg/L	0.000694	0.00241	mg/L	0.000694	28.74%

Sequence No.: 32
Sample ID: 0505010-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 6/15/2005 11:26:28 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 0505010-01

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	498700.8						12634.60	2.53%
Y 360.073	3126869.2						26791.65	0.86%
Ag 328.068†	-0.3	-0.00012	mg/L	0.000203	-0.00012	mg/L	0.000203	171.26%
Ag 338.289†	-45.4	-0.00131	mg/L	0.001221	-0.00131	mg/L	0.001221	93.04%
Al 308.215†	25.9	0.02505	mg/L	0.008539	0.02505	mg/L	0.008539	34.08%
Al 394.401†	46.8	0.02529	mg/L	0.005224	0.02529	mg/L	0.005224	20.65%
Al 396.153†	123.6	0.00916	mg/L	0.019799	0.00916	mg/L	0.019799	216.04%
As 188.979†	-11.0	-0.01067	mg/L	0.000855	-0.01067	mg/L	0.000855	8.01%
As 193.696†	4.2	0.00148	mg/L	0.003707	0.00148	mg/L	0.003707	250.82%
As 197.197†	-2.1	-0.1100	mg/L	0.05574	-0.1100	mg/L	0.05574	50.69%
B 208.889†	16.1	0.08958	mg/L	0.004682	0.08958	mg/L	0.004682	5.23%
B 249.677†	156.4	0.07765	mg/L	0.001421	0.07765	mg/L	0.001421	1.83%
B 249.772†	333.3	0.07762	mg/L	0.002033	0.07762	mg/L	0.002033	2.62%
Ba 233.527†	65.7	0.01344	mg/L	0.000554	0.01344	mg/L	0.000554	4.12%
Ba 455.403†	3292.0	0.01536	mg/L	0.000577	0.01536	mg/L	0.000577	3.75%
Ba 493.408†	4179.9	0.01476	mg/L	0.000850	0.01476	mg/L	0.000850	5.76%
Be 234.861†	3.6	0.00010	mg/L	0.000053	0.00010	mg/L	0.000053	56.10%
Be 313.042†	-73.8	-0.00019	mg/L	0.000032	-0.00019	mg/L	0.000032	16.31%
Be 313.107†	-32.5	-0.00017	mg/L	0.000145	-0.00017	mg/L	0.000145	82.95%
Ca 315.887†	157186.9	35.67	mg/L	1.208	35.67	mg/L	1.208	3.39%
Ca 317.933†	335152.5	30.47	mg/L	0.633	30.47	mg/L	0.633	2.08%
Cd 214.440†	47.0	0.00061	mg/L	0.000105	0.00061	mg/L	0.000105	17.10%
Cd 226.502†	9.4	0.00023	mg/L	0.000103	0.00023	mg/L	0.000103	45.35%
Cd 228.802†	0.2	0.00014	mg/L	0.001174	0.00014	mg/L	0.001174	822.08%
Ce 413.380†	-57.7	-0.02274	mg/L	0.015831	-0.02274	mg/L	0.015831	69.62%

Ce 413.764†	-39.8	-0.01439	mg/L	0.026081	-0.01439	mg/L	0.026081 181.23%
Ce 418.660†	-32.1	-0.00824	mg/L	0.014762	-0.00824	mg/L	0.014762 179.13%
Co 228.616†	13.1	0.00042	mg/L	0.000044	0.00042	mg/L	0.000044 10.51%
Co 230.786†	24.9	0.00007	mg/L	0.000685	0.00007	mg/L	0.000685 >999.9%
Co 238.892†	-0.8	-0.00103	mg/L	0.001577	-0.00103	mg/L	0.001577 153.27%
Cr 205.560†	-1.1	-0.00110	mg/L	0.003474	-0.00110	mg/L	0.003474 316.58%
Cr 267.716†	442.6	0.00541	mg/L	0.000410	0.00541	mg/L	0.000410 7.57%
Cr 283.563†	-626.1	-0.00400	mg/L	0.000303	-0.00400	mg/L	0.000303 7.58%
Cu 224.700†	-0.4	0.00083	mg/L	0.004530	0.00083	mg/L	0.004530 545.25%
Cu 324.752†	1367.3	0.00612	mg/L	0.000456	0.00612	mg/L	0.000456 7.45%
Cu 327.393†	326.4	0.00358	mg/L	0.000322	0.00358	mg/L	0.000322 9.01%
Fe 238.204†	824.0	0.1215	mg/L	0.00545	0.1215	mg/L	0.00545 4.49%
Fe 239.562†	604.5	0.1233	mg/L	0.00398	0.1233	mg/L	0.00398 3.23%
Fe 259.939†	798.8	0.1236	mg/L	0.00423	0.1236	mg/L	0.00423 3.43%
Fe 273.955†	148.1	0.1270	mg/L	0.00533	0.1270	mg/L	0.00533 4.19%
K 766.490†	21489.4	7.649	mg/L	0.5110	7.649	mg/L	0.5110 6.68%
Li 610.362†	640.2	0.08824	mg/L	0.147654	0.08824	mg/L	0.147654 167.32%
Li 670.784†	966.4	0.01653	mg/L	0.001628	0.01653	mg/L	0.001628 9.85%
Mg 279.077†	18413.1	24.72	mg/L	0.830	24.72	mg/L	0.830 3.36%
Mg 280.271†	4225034.2	24.50	mg/L	0.526	24.50	mg/L	0.526 2.15%
Mg 285.213†	442724.1	24.87	mg/L	0.552	24.87	mg/L	0.552 2.22%
Mn 257.610†	1279.0	0.04375	mg/L	0.001433	0.04375	mg/L	0.001433 3.27%
Mn 259.372†	1697.6	0.04310	mg/L	0.001348	0.04310	mg/L	0.001348 3.13%
Mn 260.568†	768.5	0.04341	mg/L	0.001049	0.04341	mg/L	0.001049 2.42%
Mo 202.031†	63.9	0.00587	mg/L	0.000318	0.00587	mg/L	0.000318 5.42%
Mo 203.845†	2.5	0.01067	mg/L	0.009954	0.01067	mg/L	0.009954 93.26%
Mo 204.597†	31.6	0.00511	mg/L	0.000694	0.00511	mg/L	0.000694 13.57%
Na 588.995†	60381.8	8.565	mg/L	0.3749	8.565	mg/L	0.3749 4.38%
Na 589.592†	34102.3	8.105	mg/L	0.2695	8.105	mg/L	0.2695 3.33%
Ni 221.648†	-3.0	-0.00356	mg/L	0.001871	-0.00356	mg/L	0.001871 52.50%
Ni 231.604†	60.8	0.00191	mg/L	0.000155	0.00191	mg/L	0.000155 8.13%
Ni 232.003†	-0.5	-0.00013	mg/L	0.000734	-0.00013	mg/L	0.000734 551.15%
P 213.617†	161.7	0.09484	mg/L	0.000226	0.09484	mg/L	0.000226 0.24%
P 214.914†	134.2	0.09230	mg/L	0.001712	0.09230	mg/L	0.001712 1.85%
Pb 217.000†	-7.0	-0.00456	mg/L	0.005111	-0.00456	mg/L	0.005111 112.18%
Pb 220.353†	11.1	0.00156	mg/L	0.000718	0.00156	mg/L	0.000718 46.10%
Sb 206.836†	1.0	0.00029	mg/L	0.002844	0.00029	mg/L	0.002844 964.52%
Sb 217.582†	11.0	0.00626	mg/L	0.003933	0.00626	mg/L	0.003933 62.80%
Se 196.026†	0.0	-0.00055	mg/L	0.002235	-0.00055	mg/L	0.002235 404.72%
Se 203.985†	67.0	0.1144	mg/L	0.00768	0.1144	mg/L	0.00768 6.71%
Si 251.611†	63071.5	4.222	mg/L	0.0253	4.222	mg/L	0.0253 0.60%
Si 288.158†	21189.0	4.230	mg/L	0.0181	4.230	mg/L	0.0181 0.43%
Si 252.851†	1436.5	4.420	mg/L	0.1442	4.420	mg/L	0.1442 3.26%
Sn 235.485†	39.5	-0.02067	mg/L	0.002424	-0.02067	mg/L	0.002424 11.73%
Sn 189.927†	-45.3	-0.01358	mg/L	0.000664	-0.01358	mg/L	0.000664 4.89%
Sr 460.733†	-131.9	-0.9287	mg/L	0.36197	-0.9287	mg/L	0.36197 38.98%
Sr 407.771†	95933.2	0.09453	mg/L	0.003020	0.09453	mg/L	0.003020 3.19%
Sr 421.552†	31103.3	0.09436	mg/L	0.002614	0.09436	mg/L	0.002614 2.77%
Ti 337.279†	20.8	-0.00094	mg/L	0.000118	-0.00094	mg/L	0.000118 12.52%
Ti 334.940†	-58.4	-0.00172	mg/L	0.000285	-0.00172	mg/L	0.000285 16.51%
Ti 336.121†	35.6	0.00002	mg/L	0.001732	0.00002	mg/L	0.001732 >999.9%
Tl 351.924†	-137.1	-0.04254	mg/L	0.016337	-0.04254	mg/L	0.016337 38.41%
Tl 190.801†	-1.7	-0.00259	mg/L	0.005631	-0.00259	mg/L	0.005631 217.73%
Tl 276.787†	2862.5	1.204	mg/L	0.0233	1.204	mg/L	0.0233 1.94%
V 310.230†	109.4	0.00578	mg/L	0.002178	0.00578	mg/L	0.002178 37.67%
V 292.402†	86.3	0.00116	mg/L	0.000173	0.00116	mg/L	0.000173 14.88%
V 311.071†	-388.4	-0.00261	mg/L	0.000396	-0.00261	mg/L	0.000396 15.19%
Zn 206.200†	31.3	0.02951	mg/L	0.001846	0.02951	mg/L	0.001846 6.26%
Zn 213.857†	84.8	0.02964	mg/L	0.001333	0.02964	mg/L	0.001333 4.50%
Zn 202.548†	59.9	0.02872	mg/L	0.001388	0.02872	mg/L	0.001388 4.83%

Sequence No.: 33
Sample ID: B506033-DUP1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 6/15/2005 11:30:42 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: B506033-DUP1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Y 371.029	505388.8				7915.90	1.57%
Y 360.073	3073102.6				32741.64	1.07%
Ag 328.068†	81.1	0.00039 mg/L	0.000040	0.00039 mg/L	0.000040	10.16%
Ag 338.289†	-26.4	-0.00086 mg/L	0.001310	-0.00086 mg/L	0.001310	152.85%
Al 308.215†	22.6	0.02121 mg/L	0.008980	0.02121 mg/L	0.008980	42.34%
Al 394.401†	48.7	0.02827 mg/L	0.007454	0.02827 mg/L	0.007454	26.37%
Al 396.153†	192.8	0.02330 mg/L	0.005665	0.02330 mg/L	0.005665	24.31%
As 188.979†	-10.9	-0.01058 mg/L	0.002010	-0.01058 mg/L	0.002010	19.01%
As 193.696†	3.7	0.00102 mg/L	0.002721	0.00102 mg/L	0.002721	265.82%
As 197.197†	-0.5	-0.02736 mg/L	0.070507	-0.02736 mg/L	0.070507	257.67%
B 208.889†	20.1	0.1135 mg/L	0.00541	0.1135 mg/L	0.00541	4.76%
B 249.677†	148.5	0.07373 mg/L	0.002233	0.07373 mg/L	0.002233	3.03%
B 249.772†	328.4	0.07646 mg/L	0.001436	0.07646 mg/L	0.001436	1.88%
Ba 233.527†	61.6	0.01261 mg/L	0.000224	0.01261 mg/L	0.000224	1.77%
Ba 455.403†	3212.0	0.01499 mg/L	0.001498	0.01499 mg/L	0.001498	9.99%
Ba 493.408†	4211.3	0.01486 mg/L	0.001410	0.01486 mg/L	0.001410	9.49%
Be 234.861†	4.0	0.00011 mg/L	0.000114	0.00011 mg/L	0.000114	108.08%
Be 313.042†	-80.8	-0.00021 mg/L	0.000019	-0.00021 mg/L	0.000019	9.04%
Be 313.107†	-33.4	-0.00018 mg/L	0.000185	-0.00018 mg/L	0.000185	101.97%
Ca 315.887†	154121.2	34.98 mg/L	1.023	34.98 mg/L	1.023	2.93%
Ca 317.933†	334232.1	30.38 mg/L	0.069	30.38 mg/L	0.069	0.23%
Cd 214.440†	39.2	0.00050 mg/L	0.000075	0.00050 mg/L	0.000075	14.91%
Cd 226.502†	6.4	0.00016 mg/L	0.000132	0.00016 mg/L	0.000132	84.00%
Cd 228.802†	0.6	0.00035 mg/L	0.001139	0.00035 mg/L	0.001139	326.39%
Ce 413.380†	21.7	0.00759 mg/L	0.018460	0.00759 mg/L	0.018460	243.13%
Ce 413.764†	-52.7	-0.01872 mg/L	0.014682	-0.01872 mg/L	0.014682	78.42%
Ce 418.660†	-98.1	-0.02558 mg/L	0.020742	-0.02558 mg/L	0.020742	81.08%
Co 228.616†	9.5	0.00029 mg/L	0.000237	0.00029 mg/L	0.000237	82.12%
Co 230.786†	51.9	0.00131 mg/L	0.000611	0.00131 mg/L	0.000611	46.69%
Co 238.892†	1.7	-0.00018 mg/L	0.000408	-0.00018 mg/L	0.000408	226.72%
Cr 205.560†	-3.4	-0.00535 mg/L	0.001807	-0.00535 mg/L	0.001807	33.79%
Cr 267.716†	456.6	0.00574 mg/L	0.000336	0.00574 mg/L	0.000336	5.85%
Cr 283.563†	-634.5	-0.00406 mg/L	0.000149	-0.00406 mg/L	0.000149	3.67%
Cu 224.700†	0.4	0.00179 mg/L	0.004360	0.00179 mg/L	0.004360	243.56%
Cu 324.752†	1346.8	0.00602 mg/L	0.000118	0.00602 mg/L	0.000118	1.95%
Cu 327.393†	382.4	0.00423 mg/L	0.001477	0.00423 mg/L	0.001477	34.93%
Fe 238.204†	821.9	0.1212 mg/L	0.00165	0.1212 mg/L	0.00165	1.37%
Fe 239.562†	600.5	0.1225 mg/L	0.00139	0.1225 mg/L	0.00139	1.14%
Fe 259.939†	792.4	0.1226 mg/L	0.00189	0.1226 mg/L	0.00189	1.54%
Fe 273.955†	152.9	0.1313 mg/L	0.00114	0.1313 mg/L	0.00114	0.87%
K 766.490†	20448.5	7.278 mg/L	0.3623	7.278 mg/L	0.3623	4.98%
Li 610.362†	-157.7	-0.02174 mg/L	0.071592	-0.02174 mg/L	0.071592	329.35%
Li 670.784†	833.6	0.01426 mg/L	0.001188	0.01426 mg/L	0.001188	8.33%
Mg 279.077†	18069.2	24.26 mg/L	0.708	24.26 mg/L	0.708	2.92%
Mg 280.271†	4204037.8	24.38 mg/L	0.045	24.38 mg/L	0.045	0.18%
Mg 285.213†	441427.3	24.80 mg/L	0.038	24.80 mg/L	0.038	0.15%
Mn 257.610†	1290.6	0.04416 mg/L	0.000314	0.04416 mg/L	0.000314	0.71%
Mn 259.372†	1700.0	0.04312 mg/L	0.000517	0.04312 mg/L	0.000517	1.20%
Mn 260.568†	771.6	0.04360 mg/L	0.000912	0.04360 mg/L	0.000912	2.09%
Mo 202.031†	66.3	0.00608 mg/L	0.000140	0.00608 mg/L	0.000140	2.30%
Mo 203.845†	4.2	0.02037 mg/L	0.016979	0.02037 mg/L	0.016979	83.36%
Mo 204.597†	41.0	0.00670 mg/L	0.000686	0.00670 mg/L	0.000686	10.24%
Na 588.995†	58340.7	8.275 mg/L	0.3289	8.275 mg/L	0.3289	3.98%
Na 589.592†	33556.7	7.975 mg/L	0.2414	7.975 mg/L	0.2414	3.03%
Ni 221.648†	-0.1	-0.00100 mg/L	0.001528	-0.00100 mg/L	0.001528	152.47%
Ni 231.604†	71.9	0.00234 mg/L	0.000738	0.00234 mg/L	0.000738	31.47%
Ni 232.003†	-7.3	-0.00062 mg/L	0.000097	-0.00062 mg/L	0.000097	15.54%
P 213.617†	165.8	0.09726 mg/L	0.004607	0.09726 mg/L	0.004607	4.74%
P 214.914†	129.4	0.08883 mg/L	0.003084	0.08883 mg/L	0.003084	3.47%
Pb 217.000†	-14.3	-0.00945 mg/L	0.002411	-0.00945 mg/L	0.002411	25.50%
Pb 220.353†	12.5	0.00181 mg/L	0.001025	0.00181 mg/L	0.001025	56.65%
Sb 206.836†	4.9	0.00201 mg/L	0.000942	0.00201 mg/L	0.000942	46.78%
Sb 217.582†	9.5	0.00562 mg/L	0.001305	0.00562 mg/L	0.001305	23.22%
Se 196.026†	-4.0	-0.00446 mg/L	0.004564	-0.00446 mg/L	0.004564	102.28%
Se 203.985†	68.5	0.1182 mg/L	0.00634	0.1182 mg/L	0.00634	5.36%
Si 251.611†	62535.9	4.186 mg/L	0.0201	4.186 mg/L	0.0201	0.48%
Si 288.158†	21216.0	4.235 mg/L	0.0408	4.235 mg/L	0.0408	0.96%
Si 252.851†	1430.6	4.401 mg/L	0.0646	4.401 mg/L	0.0646	1.47%
Sn 235.485†	53.0	-0.01570 mg/L	0.007169	-0.01570 mg/L	0.007169	45.66%
Sn 189.927†	-43.4	-0.01297 mg/L	0.001473	-0.01297 mg/L	0.001473	11.36%
Sr 460.733†	-114.1	-0.8037 mg/L	0.34052	-0.8037 mg/L	0.34052	42.37%
Sr 407.771†	94567.4	0.09318 mg/L	0.002903	0.09318 mg/L	0.002903	3.12%

Sr 421.552†	30657.9	0.09301	mg/L	0.002937	0.09301	mg/L	0.002937	3.16%
Ti 337.279†	21.8	-0.00086	mg/L	0.000306	-0.00086	mg/L	0.000306	35.43%
Ti 334.940†	-63.3	-0.00186	mg/L	0.000239	-0.00186	mg/L	0.000239	12.85%
Ti 336.121†	-9.5	-0.00206	mg/L	0.002585	-0.00206	mg/L	0.002585	125.74%
Tl 351.924†	-115.3	-0.03610	mg/L	0.004692	-0.03610	mg/L	0.004692	13.00%
Tl 190.801†	-0.2	-0.00129	mg/L	0.001462	-0.00129	mg/L	0.001462	113.02%
Tl 276.787†	2914.1	1.231	mg/L	0.0364	1.231	mg/L	0.0364	2.95%
V 310.230†	81.2	0.00433	mg/L	0.001486	0.00433	mg/L	0.001486	34.27%
V 292.402†	75.8	0.00106	mg/L	0.000069	0.00106	mg/L	0.000069	6.51%
V 311.071†	-395.1	-0.00268	mg/L	0.000197	-0.00268	mg/L	0.000197	7.34%
Zn 206.200†	32.9	0.03117	mg/L	0.001259	0.03117	mg/L	0.001259	4.04%
Zn 213.857†	84.7	0.02963	mg/L	0.000364	0.02963	mg/L	0.000364	1.23%
Zn 202.548†	56.6	0.02706	mg/L	0.000560	0.02706	mg/L	0.000560	2.07%

Sequence No.: 34
Sample ID: B506033-MS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 6/15/2005 11:34:54 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: B506033-MS1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	491644.6						8300.05	1.69%
Y 360.073	3040439.2						76238.00	2.51%
Ag 328.068†	2871.6	0.02427	mg/L	0.000505	0.02427	mg/L	0.000505	2.08%
Ag 338.289†	1070.9	0.02418	mg/L	0.000593	0.02418	mg/L	0.000593	2.45%
Al 308.215†	939.5	1.056	mg/L	0.0197	1.056	mg/L	0.0197	1.86%
Al 394.401†	1804.2	1.122	mg/L	0.0227	1.122	mg/L	0.0227	2.03%
Al 396.153†	5337.4	1.051	mg/L	0.0275	1.051	mg/L	0.0275	2.62%
As 188.979†	171.8	0.1813	mg/L	0.00348	0.1813	mg/L	0.00348	1.92%
As 193.696†	276.1	0.2048	mg/L	0.00330	0.2048	mg/L	0.00330	1.61%
As 197.197†	2.5	0.1337	mg/L	0.06935	0.1337	mg/L	0.06935	51.87%
B 208.889†	178.8	1.046	mg/L	0.0351	1.046	mg/L	0.0351	3.35%
B 249.677†	2037.0	1.011	mg/L	0.0272	1.011	mg/L	0.0272	2.69%
B 249.772†	4330.6	1.012	mg/L	0.0235	1.012	mg/L	0.0235	2.32%
Ba 233.527†	992.4	0.2031	mg/L	0.00525	0.2031	mg/L	0.00525	2.59%
Ba 455.403†	44237.3	0.2063	mg/L	0.00621	0.2063	mg/L	0.00621	3.01%
Ba 493.408†	57806.0	0.2039	mg/L	0.00061	0.2039	mg/L	0.00061	0.30%
Be 234.861†	416.0	0.01009	mg/L	0.000143	0.01009	mg/L	0.000143	1.42%
Be 313.042†	3680.3	0.00953	mg/L	0.000095	0.00953	mg/L	0.000095	0.99%
Be 313.107†	1433.4	0.00938	mg/L	0.000171	0.00938	mg/L	0.000171	1.82%
Ca 315.887†	374054.8	84.89	mg/L	0.324	84.89	mg/L	0.324	0.38%
Ca 317.933†	837615.1	76.14	mg/L	0.338	76.14	mg/L	0.338	0.44%
Cd 214.440†	3761.8	0.04926	mg/L	0.001371	0.04926	mg/L	0.001371	2.78%
Cd 226.502†	2140.5	0.04887	mg/L	0.001322	0.04887	mg/L	0.001322	2.70%
Cd 228.802†	104.4	0.04597	mg/L	0.001157	0.04597	mg/L	0.001157	2.52%
Ce 413.380†	1347.5	0.5126	mg/L	0.01064	0.5126	mg/L	0.01064	2.08%
Ce 413.764†	1379.8	0.4596	mg/L	0.03490	0.4596	mg/L	0.03490	7.59%
Ce 418.660†	1904.3	0.5013	mg/L	0.04365	0.5013	mg/L	0.04365	8.71%
Co 228.616†	2598.8	0.09339	mg/L	0.002488	0.09339	mg/L	0.002488	2.66%
Co 230.786†	2192.5	0.09712	mg/L	0.005014	0.09712	mg/L	0.005014	5.16%
Co 238.892†	305.2	0.1001	mg/L	0.00105	0.1001	mg/L	0.00105	1.05%
Cr 205.560†	48.3	0.09252	mg/L	0.002645	0.09252	mg/L	0.002645	2.86%
Cr 267.716†	5636.8	0.1050	mg/L	0.00313	0.1050	mg/L	0.00313	2.98%
Cr 283.563†	12943.1	0.09021	mg/L	0.002972	0.09021	mg/L	0.002972	3.29%
Cu 224.700†	70.6	0.1060	mg/L	0.00329	0.1060	mg/L	0.00329	3.11%
Cu 324.752†	22617.6	0.1052	mg/L	0.00344	0.1052	mg/L	0.00344	3.27%
Cu 327.393†	8597.1	0.09946	mg/L	0.001405	0.09946	mg/L	0.001405	1.41%
Fe 238.204†	7381.1	1.103	mg/L	0.0240	1.103	mg/L	0.0240	2.18%
Fe 239.562†	5327.9	1.101	mg/L	0.0379	1.101	mg/L	0.0379	3.44%
Fe 259.939†	7057.1	1.105	mg/L	0.0379	1.105	mg/L	0.0379	3.43%
Fe 273.955†	1399.9	1.218	mg/L	0.0248	1.218	mg/L	0.0248	2.04%
K 766.490†	93119.9	33.15	mg/L	0.196	33.15	mg/L	0.196	0.59%
Li 610.362†	2423.9	0.3341	mg/L	0.08582	0.3341	mg/L	0.08582	25.69%
Li 670.784†	6742.8	0.1153	mg/L	0.00437	0.1153	mg/L	0.00437	3.79%
Mg 279.077†	32588.3	43.76	mg/L	1.131	43.76	mg/L	1.131	2.58%
Mg 280.271†	7340361.9	42.57	mg/L	0.299	42.57	mg/L	0.299	0.70%
Mg 285.213†	793123.8	44.55	mg/L	0.078	44.55	mg/L	0.078	0.18%
Mn 257.610†	6580.4	0.2271	mg/L	0.00595	0.2271	mg/L	0.00595	2.62%

Mn 259.372†	8638.5	0.2202	mg/L	0.00604	0.2202	mg/L	0.00604	2.74%
Mn 260.568†	4224.2	0.2407	mg/L	0.00556	0.2407	mg/L	0.00556	2.31%
Mo 202.031†	1182.8	0.1083	mg/L	0.00285	0.1083	mg/L	0.00285	2.64%
Mo 203.845†	23.6	0.1279	mg/L	0.01326	0.1279	mg/L	0.01326	10.37%
Mo 204.597†	635.4	0.1062	mg/L	0.00329	0.1062	mg/L	0.00329	3.10%
Na 588.995†	420704.5	59.65	mg/L	0.054	59.65	mg/L	0.054	0.09%
Na 589.592†	235590.7	56.01	mg/L	0.056	56.01	mg/L	0.056	0.10%
Ni 221.648†	223.7	0.1899	mg/L	0.00730	0.1899	mg/L	0.00730	3.84%
Ni 231.604†	5056.7	0.1948	mg/L	0.00577	0.1948	mg/L	0.00577	2.96%
Ni 232.003†	2306.4	0.2002	mg/L	0.00566	0.2002	mg/L	0.00566	2.83%
P 213.617†	183.2	0.1012	mg/L	0.00369	0.1012	mg/L	0.00369	3.64%
P 214.914†	120.6	0.08010	mg/L	0.007038	0.08010	mg/L	0.007038	8.79%
Pb 217.000†	746.2	0.5021	mg/L	0.01608	0.5021	mg/L	0.01608	3.20%
Pb 220.353†	3059.3	0.4905	mg/L	0.01462	0.4905	mg/L	0.01462	2.98%
Sb 206.836†	1116.0	0.4917	mg/L	0.01367	0.4917	mg/L	0.01367	2.78%
Sb 217.582†	1225.7	0.5090	mg/L	0.01445	0.5090	mg/L	0.01445	2.84%
Se 196.026†	511.1	0.4984	mg/L	0.00744	0.4984	mg/L	0.00744	1.49%
Se 203.985†	408.8	0.6787	mg/L	0.01953	0.6787	mg/L	0.01953	2.88%
Si 251.611†	62623.4	4.183	mg/L	0.1207	4.183	mg/L	0.1207	2.89%
Si 288.158†	21219.4	4.230	mg/L	0.1321	4.230	mg/L	0.1321	3.12%
Si 252.851†	1605.9	4.494	mg/L	0.1189	4.494	mg/L	0.1189	2.65%
Sn 235.485†	1358.7	0.2519	mg/L	0.01606	0.2519	mg/L	0.01606	6.38%
Sn 189.927†	1387.0	0.4642	mg/L	0.01040	0.4642	mg/L	0.01040	2.24%
Sr 460.733†	-196.5	-1.389	mg/L	0.2259	-1.389	mg/L	0.2259	16.26%
Sr 407.771†	1092518.7	1.081	mg/L	0.0031	1.081	mg/L	0.0031	0.29%
Sr 421.552†	355318.1	1.083	mg/L	0.0035	1.083	mg/L	0.0035	0.32%
Ti 337.279†	2733.2	0.1069	mg/L	0.00298	0.1069	mg/L	0.00298	2.79%
Ti 334.940†	3262.8	0.09386	mg/L	0.002861	0.09386	mg/L	0.002861	3.05%
Ti 336.121†	2233.5	0.1004	mg/L	0.00195	0.1004	mg/L	0.00195	1.94%
Tl 351.924†	2173.1	0.5538	mg/L	0.02426	0.5538	mg/L	0.02426	4.38%
Tl 190.801†	560.8	0.4871	mg/L	0.01503	0.4871	mg/L	0.01503	3.09%
Tl 276.787†	5509.5	2.339	mg/L	0.1078	2.339	mg/L	0.1078	4.61%
V 310.230†	1936.6	0.09945	mg/L	0.005739	0.09945	mg/L	0.005739	5.77%
V 292.402†	7999.8	0.09754	mg/L	0.002348	0.09754	mg/L	0.002348	2.41%
V 311.071†	12154.9	0.09507	mg/L	0.002981	0.09507	mg/L	0.002981	3.14%
Zn 206.200†	964.9	0.9700	mg/L	0.02345	0.9700	mg/L	0.02345	2.42%
Zn 213.857†	2645.4	0.9906	mg/L	0.02543	0.9906	mg/L	0.02543	2.57%
Zn 202.548†	1898.5	0.9745	mg/L	0.02428	0.9745	mg/L	0.02428	2.49%

Sequence No.: 35
Sample ID: 0505010-04
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 6/15/2005 11:39:11 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 0505010-04

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	494713.0						14213.54	2.87%
Y 360.073	3074318.3						47437.67	1.54%
Ag 328.068†	37.4	0.00001	mg/L	0.000413	0.00001	mg/L	0.000413	>999.9%
Ag 338.289†	-110.2	-0.00272	mg/L	0.001016	-0.00272	mg/L	0.001016	37.43%
Al 308.215†	436.4	0.4864	mg/L	0.01541	0.4864	mg/L	0.01541	3.17%
Al 394.401†	777.7	0.5000	mg/L	0.01050	0.5000	mg/L	0.01050	2.10%
Al 396.153†	2558.3	0.4946	mg/L	0.04825	0.4946	mg/L	0.04825	9.75%
As 188.979†	-14.8	-0.01495	mg/L	0.004546	-0.01495	mg/L	0.004546	30.40%
As 193.696†	2.9	-0.00110	mg/L	0.001315	-0.00110	mg/L	0.001315	119.61%
As 197.197†	-0.6	-0.05418	mg/L	0.047267	-0.05418	mg/L	0.047267	87.24%
B 208.889†	32.3	0.1753	mg/L	0.03033	0.1753	mg/L	0.03033	17.30%
B 249.677†	260.1	0.1287	mg/L	0.00398	0.1287	mg/L	0.00398	3.09%
B 249.772†	546.7	0.1260	mg/L	0.00499	0.1260	mg/L	0.00499	3.96%
Ba 233.527†	146.1	0.02979	mg/L	0.000469	0.02979	mg/L	0.000469	1.57%
Ba 455.403†	7141.9	0.03325	mg/L	0.001135	0.03325	mg/L	0.001135	3.41%
Ba 493.408†	9471.7	0.03334	mg/L	0.000822	0.03334	mg/L	0.000822	2.47%
Be 234.861†	6.6	0.00007	mg/L	0.000146	0.00007	mg/L	0.000146	215.59%
Be 313.042†	-61.5	-0.00016	mg/L	0.000004	-0.00016	mg/L	0.000004	2.30%
Be 313.107†	-77.1	-0.00042	mg/L	0.000037	-0.00042	mg/L	0.000037	8.87%
Ca 315.887†	266631.8	60.51	mg/L	0.348	60.51	mg/L	0.348	0.57%
Ca 317.933†	596135.1	54.19	mg/L	0.319	54.19	mg/L	0.319	0.59%
Cd 214.440†	79.4	0.00091	mg/L	0.000015	0.00091	mg/L	0.000015	1.61%

Cd 226.502†	16.1	0.00033 mg/L	0.000119	0.00033 mg/L	0.000119	36.18%
Cd 228.802†	0.6	0.00037 mg/L	0.000955	0.00037 mg/L	0.000955	256.13%
Ce 413.380†	38.0	0.01278 mg/L	0.010921	0.01278 mg/L	0.010921	85.49%
Ce 413.764†	-95.1	-0.03482 mg/L	0.027847	-0.03482 mg/L	0.027847	79.98%
Ce 418.660†	-96.3	-0.02431 mg/L	0.000812	-0.02431 mg/L	0.000812	3.34%
Co 228.616†	19.8	0.00053 mg/L	0.000158	0.00053 mg/L	0.000158	30.12%
Co 230.786†	147.3	0.00379 mg/L	0.001238	0.00379 mg/L	0.001238	32.68%
Co 238.892†	10.7	-0.00002 mg/L	0.002047	-0.00002 mg/L	0.002047	>999.9%
Cr 205.560†	-2.5	-0.00311 mg/L	0.002525	-0.00311 mg/L	0.002525	81.21%
Cr 267.716†	1379.0	0.01707 mg/L	0.000829	0.01707 mg/L	0.000829	4.86%
Cr 283.563†	-434.7	-0.00223 mg/L	0.000210	-0.00223 mg/L	0.000210	9.45%
Cu 224.700†	-1.2	-0.00055 mg/L	0.001831	-0.00055 mg/L	0.001831	334.03%
Cu 324.752†	2020.2	0.00869 mg/L	0.000535	0.00869 mg/L	0.000535	6.15%
Cu 327.393†	595.6	0.00645 mg/L	0.000786	0.00645 mg/L	0.000786	12.18%
Fe 238.204†	7842.1	1.173 mg/L	0.0404	1.173 mg/L	0.0404	3.45%
Fe 239.562†	5670.9	1.173 mg/L	0.0417	1.173 mg/L	0.0417	3.56%
Fe 259.939†	7530.1	1.181 mg/L	0.0384	1.181 mg/L	0.0384	3.25%
Fe 273.955†	1424.4	1.240 mg/L	0.0361	1.240 mg/L	0.0361	2.91%
K 766.490†	21913.5	7.800 mg/L	0.6262	7.800 mg/L	0.6262	8.03%
Li 610.362†	1123.5	0.1549 mg/L	0.15146	0.1549 mg/L	0.15146	97.80%
Li 670.784†	519.6	0.00889 mg/L	0.004028	0.00889 mg/L	0.004028	45.33%
Mg 279.077†	56971.4	76.50 mg/L	2.521	76.50 mg/L	2.521	3.30%
Mg 280.271†	11609891.3	67.33 mg/L	2.560	67.33 mg/L	2.560	3.80%
Mg 285.213†	1307102.9	73.43 mg/L	0.213	73.43 mg/L	0.213	0.29%
Mn 257.610†	6016.0	0.2068 mg/L	0.00823	0.2068 mg/L	0.00823	3.98%
Mn 259.372†	7869.5	0.2000 mg/L	0.00688	0.2000 mg/L	0.00688	3.44%
Mn 260.568†	3688.3	0.2094 mg/L	0.00528	0.2094 mg/L	0.00528	2.52%
Mo 202.031†	220.1	0.02023 mg/L	0.000489	0.02023 mg/L	0.000489	2.42%
Mo 203.845†	9.4	0.04321 mg/L	0.009285	0.04321 mg/L	0.009285	21.49%
Mo 204.597†	122.5	0.02030 mg/L	0.001290	0.02030 mg/L	0.001290	6.36%
Na 588.995†	97528.2	13.83 mg/L	0.233	13.83 mg/L	0.233	1.68%
Na 589.592†	58044.5	13.79 mg/L	0.473	13.79 mg/L	0.473	3.43%
Ni 221.648†	-2.5	-0.00409 mg/L	0.001388	-0.00409 mg/L	0.001388	33.95%
Ni 231.604†	136.1	0.00426 mg/L	0.000374	0.00426 mg/L	0.000374	8.79%
Ni 232.003†	3.4	0.00025 mg/L	0.000844	0.00025 mg/L	0.000844	335.23%
P 213.617†	152.9	0.08821 mg/L	0.004699	0.08821 mg/L	0.004699	5.33%
P 214.914†	102.6	0.06801 mg/L	0.005508	0.06801 mg/L	0.005508	8.10%
Pb 217.000†	-0.9	-0.00129 mg/L	0.004492	-0.00129 mg/L	0.004492	349.22%
Pb 220.353†	30.8	0.00452 mg/L	0.001190	0.00452 mg/L	0.001190	26.32%
Sb 206.836†	5.9	0.00226 mg/L	0.001597	0.00226 mg/L	0.001597	70.80%
Sb 217.582†	5.2	0.00483 mg/L	0.003931	0.00483 mg/L	0.003931	81.44%
Se 196.026†	-0.8	-0.00153 mg/L	0.004123	-0.00153 mg/L	0.004123	270.32%
Se 203.985†	177.7	0.2920 mg/L	0.00974	0.2920 mg/L	0.00974	3.34%
Si 251.611†	129842.0	8.688 mg/L	0.0935	8.688 mg/L	0.0935	1.08%
Si 288.158†	45909.0	9.164 mg/L	0.2071	9.164 mg/L	0.2071	2.26%
Si 252.851†	3115.3	9.585 mg/L	0.2655	9.585 mg/L	0.2655	2.77%
Sn 235.485†	216.3	-0.2575 mg/L	0.00909	-0.2575 mg/L	0.00909	3.53%
Sn 189.927†	-66.0	-0.01936 mg/L	0.001344	-0.01936 mg/L	0.001344	6.94%
Sr 460.733†	-74.5	-0.5291 mg/L	0.73093	-0.5291 mg/L	0.73093	138.14%
Sr 407.771†	181185.7	0.1786 mg/L	0.00051	0.1786 mg/L	0.00051	0.29%
Sr 421.552†	58965.2	0.1790 mg/L	0.00036	0.1790 mg/L	0.00036	0.20%
Ti 337.279†	263.0	0.00763 mg/L	0.005150	0.00763 mg/L	0.005150	67.49%
Ti 334.940†	195.1	0.00553 mg/L	0.005022	0.00553 mg/L	0.005022	90.84%
Ti 336.121†	205.3	0.00676 mg/L	0.001735	0.00676 mg/L	0.001735	25.69%
Tl 351.924†	-107.2	-0.03696 mg/L	0.007015	-0.03696 mg/L	0.007015	18.98%
Tl 190.801†	-1.2	-0.00289 mg/L	0.001634	-0.00289 mg/L	0.001634	56.52%
Tl 276.787†	6532.4	2.631 mg/L	0.0488	2.631 mg/L	0.0488	1.85%
V 310.230†	146.4	0.00767 mg/L	0.002477	0.00767 mg/L	0.002477	32.31%
V 292.402†	261.6	0.00350 mg/L	0.000495	0.00350 mg/L	0.000495	14.12%
V 311.071†	-418.6	-0.00238 mg/L	0.000579	-0.00238 mg/L	0.000579	24.30%
Zn 206.200†	14.0	0.00900 mg/L	0.001612	0.00900 mg/L	0.001612	17.91%
Zn 213.857†	39.5	0.00917 mg/L	0.000673	0.00917 mg/L	0.000673	7.35%
Zn 202.548†	26.7	0.00725 mg/L	0.001112	0.00725 mg/L	0.001112	15.34%

Sequence No.: 36
Sample ID: wash
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 6/15/2005 11:43:27 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: wash

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	524406.2						10572.14	2.02%
Y 360.073	3135099.7						20386.25	0.65%
Ag 328.068†	73.5	0.00035	mg/L	0.000880	0.00035	mg/L	0.000880	248.92%
Ag 338.289†	-79.0	-0.00182	mg/L	0.001719	-0.00182	mg/L	0.001719	94.63%
Al 308.215†	8.7	0.01016	mg/L	0.014352	0.01016	mg/L	0.014352	141.30%
Al 394.401†	37.1	0.02796	mg/L	0.013501	0.02796	mg/L	0.013501	48.28%
Al 396.153†	84.3	0.01762	mg/L	0.003488	0.01762	mg/L	0.003488	19.79%
As 188.979†	-1.8	-0.00181	mg/L	0.001825	-0.00181	mg/L	0.001825	100.80%
As 193.696†	1.0	0.00077	mg/L	0.002594	0.00077	mg/L	0.002594	335.85%
As 197.197†	1.2	0.06553	mg/L	0.078298	0.06553	mg/L	0.078298	119.48%
B 208.889†	1.4	0.00847	mg/L	0.001389	0.00847	mg/L	0.001389	16.40%
B 249.677†	15.0	0.00753	mg/L	0.002478	0.00753	mg/L	0.002478	32.92%
B 249.772†	34.7	0.00810	mg/L	0.001893	0.00810	mg/L	0.001893	23.38%
Ba 233.527†	-1.9	-0.00037	mg/L	0.001185	-0.00037	mg/L	0.001185	319.55%
Ba 455.403†	58.2	0.00030	mg/L	0.000217	0.00030	mg/L	0.000217	72.55%
Ba 493.408†	-71.3	-0.00023	mg/L	0.000933	-0.00023	mg/L	0.000933	412.33%
Be 234.861†	-0.3	-0.00001	mg/L	0.000048	-0.00001	mg/L	0.000048	344.29%
Be 313.042†	-86.1	-0.00022	mg/L	0.000077	-0.00022	mg/L	0.000077	34.63%
Be 313.107†	-45.4	-0.00030	mg/L	0.000188	-0.00030	mg/L	0.000188	63.61%
Ca 315.887†	212.7	0.04828	mg/L	0.010476	0.04828	mg/L	0.010476	21.70%
Ca 317.933†	533.2	0.04881	mg/L	0.004252	0.04881	mg/L	0.004252	8.71%
Cd 214.440†	1.5	0.00006	mg/L	0.000052	0.00006	mg/L	0.000052	93.57%
Cd 226.502†	10.7	0.00024	mg/L	0.000171	0.00024	mg/L	0.000171	70.56%
Cd 228.802†	2.9	0.00129	mg/L	0.001113	0.00129	mg/L	0.001113	86.25%
Ce 413.380†	-3.4	-0.00128	mg/L	0.016344	-0.00128	mg/L	0.016344	>999.9%
Ce 413.764†	25.1	0.00850	mg/L	0.020109	0.00850	mg/L	0.020109	236.68%
Ce 418.660†	-134.3	-0.03536	mg/L	0.005114	-0.03536	mg/L	0.005114	14.46%
Co 228.616†	1.6	0.00006	mg/L	0.000170	0.00006	mg/L	0.000170	291.78%
Co 230.786†	-63.8	-0.00291	mg/L	0.000539	-0.00291	mg/L	0.000539	18.51%
Co 238.892†	4.8	0.00148	mg/L	0.001094	0.00148	mg/L	0.001094	74.00%
Cr 205.560†	-1.1	-0.00211	mg/L	0.003498	-0.00211	mg/L	0.003498	165.40%
Cr 267.716†	-1.7	-0.00003	mg/L	0.000210	-0.00003	mg/L	0.000210	759.09%
Cr 283.563†	-544.5	-0.00381	mg/L	0.000332	-0.00381	mg/L	0.000332	8.71%
Cu 224.700†	-2.6	-0.00358	mg/L	0.004004	-0.00358	mg/L	0.004004	111.69%
Cu 324.752†	280.0	0.00134	mg/L	0.000255	0.00134	mg/L	0.000255	19.04%
Cu 327.393†	-53.3	-0.00061	mg/L	0.001357	-0.00061	mg/L	0.001357	224.04%
Fe 238.204†	389.4	0.05859	mg/L	0.055955	0.05859	mg/L	0.055955	95.49%
Fe 239.562†	292.0	0.06077	mg/L	0.058363	0.06077	mg/L	0.058363	96.04%
Fe 259.939†	373.5	0.05892	mg/L	0.057506	0.05892	mg/L	0.057506	97.61%
Fe 273.955†	78.6	0.06888	mg/L	0.066945	0.06888	mg/L	0.066945	97.19%
K 766.490†	-982.5	-0.3497	mg/L	0.31943	-0.3497	mg/L	0.31943	91.34%
Li 610.362†	-1136.8	-0.1567	mg/L	0.13559	-0.1567	mg/L	0.13559	86.53%
Li 670.784†	28.7	0.00049	mg/L	0.001439	0.00049	mg/L	0.001439	292.97%
Mg 279.077†	49.0	0.06585	mg/L	0.061709	0.06585	mg/L	0.061709	93.70%
Mg 280.271†	4529.6	0.02631	mg/L	0.001985	0.02631	mg/L	0.001985	7.54%
Mg 285.213†	1041.1	0.05853	mg/L	0.050260	0.05853	mg/L	0.050260	85.87%
Mn 257.610†	11.9	0.00042	mg/L	0.000077	0.00042	mg/L	0.000077	18.57%
Mn 259.372†	14.3	0.00029	mg/L	0.000219	0.00029	mg/L	0.000219	76.20%
Mn 260.568†	0.6	0.00003	mg/L	0.000424	0.00003	mg/L	0.000424	>999.9%
Mo 202.031†	3.7	0.00035	mg/L	0.000364	0.00035	mg/L	0.000364	102.64%
Mo 203.845†	0.2	0.00145	mg/L	0.005445	0.00145	mg/L	0.005445	375.40%
Mo 204.597†	1.9	0.00031	mg/L	0.000624	0.00031	mg/L	0.000624	198.30%
Na 588.995†	-2665.2	-0.3767	mg/L	0.13355	-0.3767	mg/L	0.13355	35.45%
Na 589.592†	31.4	0.00784	mg/L	0.013646	0.00784	mg/L	0.013646	174.08%
Ni 221.648†	0.5	0.00040	mg/L	0.002667	0.00040	mg/L	0.002667	672.04%
Ni 231.604†	1.1	0.00005	mg/L	0.000200	0.00005	mg/L	0.000200	384.22%
Ni 232.003†	2.8	0.00035	mg/L	0.000738	0.00035	mg/L	0.000738	213.19%
P 213.617†	-8.7	-0.00498	mg/L	0.000655	-0.00498	mg/L	0.000655	13.14%
P 214.914†	-5.6	-0.00393	mg/L	0.003459	-0.00393	mg/L	0.003459	88.08%
Pb 217.000†	-2.6	-0.00175	mg/L	0.001038	-0.00175	mg/L	0.001038	59.40%
Pb 220.353†	-5.5	-0.00087	mg/L	0.001794	-0.00087	mg/L	0.001794	206.54%
Sb 206.836†	-1.6	-0.00071	mg/L	0.002303	-0.00071	mg/L	0.002303	326.24%
Sb 217.582†	10.7	0.00446	mg/L	0.002437	0.00446	mg/L	0.002437	54.65%
Se 196.026†	4.2	0.00410	mg/L	0.006373	0.00410	mg/L	0.006373	155.45%
Se 203.985†	6.6	0.01212	mg/L	0.007027	0.01212	mg/L	0.007027	58.00%
Si 251.611†	249.1	0.01700	mg/L	0.000470	0.01700	mg/L	0.000470	2.77%
Si 288.158†	102.6	0.02092	mg/L	0.002678	0.02092	mg/L	0.002678	12.80%
Si 252.851†	2.7	0.00859	mg/L	0.017953	0.00859	mg/L	0.017953	209.09%
Sn 235.485†	27.9	-0.00789	mg/L	0.012970	-0.00789	mg/L	0.012970	164.44%

Sn 189.927†	0.6	0.00020 mg/L	0.001585	0.00020 mg/L	0.001585	774.24%
Sr 460.733†	-64.5	-0.4522 mg/L	0.37587	-0.4522 mg/L	0.37587	83.11%
Sr 407.771†	34.0	0.00003 mg/L	0.000057	0.00003 mg/L	0.000057	166.01%
Sr 421.552†	-44.2	-0.00013 mg/L	0.000120	-0.00013 mg/L	0.000120	89.23%
Ti 337.279†	-3.5	-0.00015 mg/L	0.000055	-0.00015 mg/L	0.000055	37.72%
Ti 334.940†	8.4	0.00024 mg/L	0.000272	0.00024 mg/L	0.000272	111.75%
Ti 336.121†	11.7	0.00055 mg/L	0.000396	0.00055 mg/L	0.000396	71.56%
Tl 351.924†	-26.6	-0.00787 mg/L	0.005707	-0.00787 mg/L	0.005707	72.53%
Tl 190.801†	-2.1	-0.00189 mg/L	0.002645	-0.00189 mg/L	0.002645	139.71%
Tl 276.787†	-1.3	-0.00111 mg/L	0.004907	-0.00111 mg/L	0.004907	442.64%
V 310.230†	4.4	0.00028 mg/L	0.002423	0.00028 mg/L	0.002423	880.82%
V 292.402†	-3.4	-0.00004 mg/L	0.000209	-0.00004 mg/L	0.000209	520.57%
V 311.071†	-2.3	-0.00003 mg/L	0.000516	-0.00003 mg/L	0.000516	>999.9%
Zn 206.200†	-0.4	-0.00041 mg/L	0.001199	-0.00041 mg/L	0.001199	291.91%
Zn 213.857†	2.2	0.00085 mg/L	0.000536	0.00085 mg/L	0.000536	63.20%
Zn 202.548†	-0.3	-0.00009 mg/L	0.000110	-0.00009 mg/L	0.000110	118.69%

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

Autosampler Location: 1
Date Collected: 6/15/2005 11:47:36 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	518606.7						10184.80	1.96%
Y 360.073	3169208.7						12119.45	0.38%
Ag 328.068†	-51.2	-0.00047	mg/L	0.000548	-0.00047	mg/L	0.000548	115.45%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Ag 338.289†	-82.0	-0.00186	mg/L	0.001472	-0.00186	mg/L	0.001472	78.93%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215†	-12.8	-0.01448	mg/L	0.010630	-0.01448	mg/L	0.010630	73.40%
QC value within limits for Al 308.215 Recovery = Not calculated								
Al 394.401†	-9.5	-0.00454	mg/L	0.009468	-0.00454	mg/L	0.009468	208.74%
QC value within limits for Al 394.401 Recovery = Not calculated								
Al 396.153†	-99.0	-0.02029	mg/L	0.011768	-0.02029	mg/L	0.011768	57.99%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-1.4	-0.00134	mg/L	0.002300	-0.00134	mg/L	0.002300	171.93%
QC value within limits for As 188.979 Recovery = Not calculated								
As 193.696†	0.6	0.00046	mg/L	0.003213	0.00046	mg/L	0.003213	703.37%
QC value within limits for As 193.696 Recovery = Not calculated								
As 197.197†	-1.5	-0.07841	mg/L	0.107689	-0.07841	mg/L	0.107689	137.34%
QC value within limits for As 197.197 Recovery = Not calculated								
B 208.889†	3.9	0.02335	mg/L	0.020937	0.02335	mg/L	0.020937	89.68%
QC value within limits for B 208.889 Recovery = Not calculated								
B 249.677†	6.2	0.00315	mg/L	0.001117	0.00315	mg/L	0.001117	35.47%
QC value within limits for B 249.677 Recovery = Not calculated								
B 249.772†	11.7	0.00277	mg/L	0.001012	0.00277	mg/L	0.001012	36.49%
QC value within limits for B 249.772 Recovery = Not calculated								
Ba 233.527†	-8.7	-0.00176	mg/L	0.000195	-0.00176	mg/L	0.000195	11.04%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Ba 455.403†	142.1	0.00068	mg/L	0.000923	0.00068	mg/L	0.000923	135.29%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Ba 493.408†	-5.4	0.00000	mg/L	0.000188	0.00000	mg/L	0.000188	>999.9%
QC value within limits for Ba 493.408 Recovery = Not calculated								
Be 234.861†	0.7	0.00002	mg/L	0.000186	0.00002	mg/L	0.000186	>999.9%
QC value within limits for Be 234.861 Recovery = Not calculated								
Be 313.042†	-60.3	-0.00016	mg/L	0.000047	-0.00016	mg/L	0.000047	29.66%
QC value within limits for Be 313.042 Recovery = Not calculated								
Be 313.107†	-29.6	-0.00019	mg/L	0.000059	-0.00019	mg/L	0.000059	30.72%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-6.9	-0.00156	mg/L	0.004172	-0.00156	mg/L	0.004172	268.09%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Ca 317.933†	221.4	0.02037	mg/L	0.005241	0.02037	mg/L	0.005241	25.73%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	-1.7	0.00000	mg/L	0.000124	0.00000	mg/L	0.000124	>999.9%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Cd 226.502†	9.7	0.00022	mg/L	0.000187	0.00022	mg/L	0.000187	83.74%
QC value within limits for Cd 226.502 Recovery = Not calculated								

Cd 228.802†	-0.7	-0.00032 mg/L	0.001202	-0.00032 mg/L	0.001202	376.07%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Ce 413.380†	-65.2	-0.02487 mg/L	0.031274	-0.02487 mg/L	0.031274	125.77%
QC value within limits for Ce 413.380 Recovery = Not calculated						
Ce 413.764†	-57.4	-0.01918 mg/L	0.009616	-0.01918 mg/L	0.009616	50.14%
QC value within limits for Ce 413.764 Recovery = Not calculated						
Ce 418.660†	-60.8	-0.01600 mg/L	0.010080	-0.01600 mg/L	0.010080	62.99%
QC value within limits for Ce 418.660 Recovery = Not calculated						
Co 228.616†	-6.6	-0.00024 mg/L	0.000216	-0.00024 mg/L	0.000216	91.14%
QC value within limits for Co 228.616 Recovery = Not calculated						
Co 230.786†	-58.6	-0.00266 mg/L	0.000271	-0.00266 mg/L	0.000271	10.18%
QC value within limits for Co 230.786 Recovery = Not calculated						
Co 238.892†	-4.2	-0.00143 mg/L	0.000790	-0.00143 mg/L	0.000790	55.41%
QC value within limits for Co 238.892 Recovery = Not calculated						
Cr 205.560†	-1.0	-0.00186 mg/L	0.003862	-0.00186 mg/L	0.003862	207.79%
QC value within limits for Cr 205.560 Recovery = Not calculated						
Cr 267.716†	-5.2	-0.00009 mg/L	0.000111	-0.00009 mg/L	0.000111	117.95%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cr 283.563†	-457.7	-0.00319 mg/L	0.000636	-0.00319 mg/L	0.000636	19.97%
QC value within limits for Cr 283.563 Recovery = Not calculated						
Cu 224.700†	-4.6	-0.00676 mg/L	0.000941	-0.00676 mg/L	0.000941	13.91%
QC value within limits for Cu 224.700 Recovery = Not calculated						
Cu 324.752†	308.1	0.00146 mg/L	0.000280	0.00146 mg/L	0.000280	19.15%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Cu 327.393†	25.2	0.00031 mg/L	0.000883	0.00031 mg/L	0.000883	288.17%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	-15.4	-0.00224 mg/L	0.000705	-0.00224 mg/L	0.000705	31.47%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Fe 239.562†	-5.3	-0.00103 mg/L	0.001639	-0.00103 mg/L	0.001639	158.76%
QC value within limits for Fe 239.562 Recovery = Not calculated						
Fe 259.939†	-4.9	-0.00070 mg/L	0.001136	-0.00070 mg/L	0.001136	162.22%
QC value within limits for Fe 259.939 Recovery = Not calculated						
Fe 273.955†	0.2	0.00030 mg/L	0.001715	0.00030 mg/L	0.001715	577.60%
QC value within limits for Fe 273.955 Recovery = Not calculated						
K 766.490†	41.9	0.01491 mg/L	0.316102	0.01491 mg/L	0.316102	>999.9%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 610.362†	26.9	0.00371 mg/L	0.128894	0.00371 mg/L	0.128894	>999.9%
QC value within limits for Li 610.362 Recovery = Not calculated						
Li 670.784†	263.6	0.00451 mg/L	0.001018	0.00451 mg/L	0.001018	22.57%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	7.0	0.00945 mg/L	0.008802	0.00945 mg/L	0.008802	93.17%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Mg 280.271†	157.1	0.00094 mg/L	0.000313	0.00094 mg/L	0.000313	33.30%
QC value within limits for Mg 280.271 Recovery = Not calculated						
Mg 285.213†	34.4	0.00196 mg/L	0.000318	0.00196 mg/L	0.000318	16.17%
QC value within limits for Mg 285.213 Recovery = Not calculated						
Mn 257.610†	-0.2	0.00000 mg/L	0.000106	0.00000 mg/L	0.000106	>999.9%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mn 259.372†	-0.8	-0.00004 mg/L	0.000325	-0.00004 mg/L	0.000325	913.48%
QC value within limits for Mn 259.372 Recovery = Not calculated						
Mn 260.568†	-3.1	-0.00017 mg/L	0.000453	-0.00017 mg/L	0.000453	263.78%
QC value within limits for Mn 260.568 Recovery = Not calculated						
Mo 202.031†	4.9	0.00046 mg/L	0.000290	0.00046 mg/L	0.000290	63.15%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Mo 203.845†	0.7	0.00386 mg/L	0.005056	0.00386 mg/L	0.005056	131.09%
QC value within limits for Mo 203.845 Recovery = Not calculated						
Mo 204.597†	1.8	0.00030 mg/L	0.000352	0.00030 mg/L	0.000352	117.13%
QC value within limits for Mo 204.597 Recovery = Not calculated						
Na 588.995†	-1318.2	-0.1861 mg/L	0.14906	-0.1861 mg/L	0.14906	80.10%
QC value within limits for Na 588.995 Recovery = Not calculated						
Na 589.592†	7.1	0.00193 mg/L	0.018149	0.00193 mg/L	0.018149	939.03%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 221.648†	0.1	0.00014 mg/L	0.000784	0.00014 mg/L	0.000784	573.43%
QC value within limits for Ni 221.648 Recovery = Not calculated						
Ni 231.604†	12.4	0.00049 mg/L	0.000131	0.00049 mg/L	0.000131	26.67%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Ni 232.003†	0.8	0.00012 mg/L	0.000344	0.00012 mg/L	0.000344	294.62%
QC value within limits for Ni 232.003 Recovery = Not calculated						
P 213.617†	-12.5	-0.00708 mg/L	0.002703	-0.00708 mg/L	0.002703	38.20%
P 214.914†	-2.3	-0.00164 mg/L	0.002806	-0.00164 mg/L	0.002806	171.10%
Pb 217.000†	-6.0	-0.00402 mg/L	0.003652	-0.00402 mg/L	0.003652	90.75%
QC value within limits for Pb 217.000 Recovery = Not calculated						

Pb 220.353†	-17.1	-0.00275 mg/L	0.001258	-0.00275 mg/L	0.001258	45.79%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-1.6	-0.00068 mg/L	0.001025	-0.00068 mg/L	0.001025	151.58%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Sb 217.582†	7.5	0.00312 mg/L	0.001006	0.00312 mg/L	0.001006	32.22%
QC value within limits for Sb 217.582 Recovery = Not calculated						
Se 196.026†	-0.7	-0.00066 mg/L	0.003458	-0.00066 mg/L	0.003458	520.95%
QC value within limits for Se 196.026 Recovery = Not calculated						
Se 203.985†	7.6	0.01379 mg/L	0.003374	0.01379 mg/L	0.003374	24.47%
QC value within limits for Se 203.985 Recovery = Not calculated						
Si 251.611†	2.1	0.00031 mg/L	0.000694	0.00031 mg/L	0.000694	226.96%
Si 288.158†	20.9	0.00447 mg/L	0.003114	0.00447 mg/L	0.003114	69.74%
Si 252.851†	-0.7	-0.00138 mg/L	0.038092	-0.00138 mg/L	0.038092	>999.9%
Sn 235.485†	-5.6	-0.00307 mg/L	0.006645	-0.00307 mg/L	0.006645	216.41%
QC value within limits for Sn 235.485 Recovery = Not calculated						
Sn 189.927†	-0.5	-0.00016 mg/L	0.000528	-0.00016 mg/L	0.000528	338.06%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 460.733†	-45.9	-0.3218 mg/L	0.71091	-0.3218 mg/L	0.71091	220.94%
QC value within limits for Sr 460.733 Recovery = Not calculated						
Sr 407.771†	-116.0	-0.00011 mg/L	0.000041	-0.00011 mg/L	0.000041	36.21%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Sr 421.552†	-40.9	-0.00012 mg/L	0.000099	-0.00012 mg/L	0.000099	79.95%
QC value within limits for Sr 421.552 Recovery = Not calculated						
Ti 337.279†	-4.5	-0.00018 mg/L	0.000133	-0.00018 mg/L	0.000133	72.94%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Ti 334.940†	-0.9	-0.00002 mg/L	0.000205	-0.00002 mg/L	0.000205	826.01%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Ti 336.121†	30.9	0.00145 mg/L	0.001273	0.00145 mg/L	0.001273	87.84%
QC value within limits for Ti 336.121 Recovery = Not calculated						
Tl 351.924†	-118.5	-0.03201 mg/L	0.019813	-0.03201 mg/L	0.019813	61.89%
QC value within limits for Tl 351.924 Recovery = Not calculated						
Tl 190.801†	-1.3	-0.00118 mg/L	0.001766	-0.00118 mg/L	0.001766	149.55%
QC value within limits for Tl 190.801 Recovery = Not calculated						
Tl 276.787†	1.3	0.00055 mg/L	0.004562	0.00055 mg/L	0.004562	835.33%
QC value within limits for Tl 276.787 Recovery = Not calculated						
V 310.230†	21.3	0.00113 mg/L	0.001882	0.00113 mg/L	0.001882	167.04%
QC value within limits for V 310.230 Recovery = Not calculated						
V 292.402†	4.1	0.00006 mg/L	0.000194	0.00006 mg/L	0.000194	320.69%
V 311.071†	23.2	0.00017 mg/L	0.000165	0.00017 mg/L	0.000165	95.57%
Zn 206.200†	-1.4	-0.00137 mg/L	0.001205	-0.00137 mg/L	0.001205	88.17%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Zn 213.857†	-1.0	-0.00037 mg/L	0.000765	-0.00037 mg/L	0.000765	207.12%
QC value within limits for Zn 213.857 Recovery = Not calculated						
Zn 202.548†	-1.5	-0.00070 mg/L	0.000128	-0.00070 mg/L	0.000128	18.23%
QC value within limits for Zn 202.548 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 38
Sample ID: LCM1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 6/15/2005 11:51:43 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCM1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	498677.1						4933.44	0.99%
Y 360.073	3183716.7						43522.48	1.37%
Ag 328.068†	19616.6	0.1532	mg/L	0.00275	0.1532	mg/L	0.00275	1.80%
Ag 338.289†	6472.1	0.1523	mg/L	0.00277	0.1523	mg/L	0.00277	1.82%
Al 308.215†	949.2	1.043	mg/L	0.0129	1.043	mg/L	0.0129	1.24%
QC value within limits for Al 308.215 Recovery = 104.33%								
Al 394.401†	1903.2	1.146	mg/L	0.0273	1.146	mg/L	0.0273	2.38%
QC value greater than the upper limit for Al 394.401 Recovery = 114.56%								
Al 396.153†	5375.8	1.047	mg/L	0.0137	1.047	mg/L	0.0137	1.31%
QC value within limits for Al 396.153 Recovery = 104.72%								
As 188.979†	1850.2	1.936	mg/L	0.0241	1.936	mg/L	0.0241	1.25%
QC value within limits for As 188.979 Recovery = 96.82%								
As 193.696†	2624.1	1.975	mg/L	0.0387	1.975	mg/L	0.0387	1.96%
QC value within limits for As 193.696 Recovery = 98.77%								

As 197.197†	39.7	2.070 mg/L	0.0717	2.070 mg/L	0.0717	3.46%
QC value within limits for As 197.197 Recovery = 103.49%						
B 208.889†	158.3	0.9342 mg/L	0.04251	0.9342 mg/L	0.04251	4.55%
QC value within limits for B 208.889 Recovery = 93.42%						
249.677†	1885.9	0.9332 mg/L	0.01419	0.9332 mg/L	0.01419	1.52%
QC value within limits for B 249.677 Recovery = 93.32%						
B 249.772†	4006.8	0.9372 mg/L	0.01411	0.9372 mg/L	0.01411	1.51%
QC value within limits for B 249.772 Recovery = 93.72%						
Ba 233.527†	4766.3	0.9762 mg/L	0.03309	0.9762 mg/L	0.03309	3.39%
QC value within limits for Ba 233.527 Recovery = 97.62%						
Ba 455.403†	212298.5	0.9903 mg/L	0.00185	0.9903 mg/L	0.00185	0.19%
QC value within limits for Ba 455.403 Recovery = 99.03%						
Ba 493.408†	278950.1	0.9841 mg/L	0.00187	0.9841 mg/L	0.00187	0.19%
QC value within limits for Ba 493.408 Recovery = 98.41%						
Be 234.861†	40244.2	0.9836 mg/L	0.02216	0.9836 mg/L	0.02216	2.25%
QC value within limits for Be 234.861 Recovery = 98.36%						
Be 313.042†	373633.6	0.9806 mg/L	0.00230	0.9806 mg/L	0.00230	0.23%
QC value within limits for Be 313.042 Recovery = 98.06%						
Be 313.107†	150192.4	0.9728 mg/L	0.00178	0.9728 mg/L	0.00178	0.18%
QC value within limits for Be 313.107 Recovery = 97.28%						
Ca 315.887†	4732.1	1.074 mg/L	0.0392	1.074 mg/L	0.0392	3.65%
QC value within limits for Ca 315.887 Recovery = 107.40%						
Ca 317.933†	10853.6	0.9749 mg/L	0.03392	0.9749 mg/L	0.03392	3.48%
QC value within limits for Ca 317.933 Recovery = 97.49%						
Cd 214.440†	73266.9	0.9626 mg/L	0.01883	0.9626 mg/L	0.01883	1.96%
QC value within limits for Cd 214.440 Recovery = 96.26%						
Cd 226.502†	41946.7	0.9593 mg/L	0.01908	0.9593 mg/L	0.01908	1.99%
QC value within limits for Cd 226.502 Recovery = 95.93%						
Cd 228.802†	2125.1	0.9428 mg/L	0.01380	0.9428 mg/L	0.01380	1.46%
QC value within limits for Cd 228.802 Recovery = 94.28%						
Ce 413.380†	2712.4	1.034 mg/L	0.0576	1.034 mg/L	0.0576	5.57%
QC value within limits for Ce 413.380 Recovery = 103.36%						
Ce 413.764†	3121.4	1.043 mg/L	0.0349	1.043 mg/L	0.0349	3.35%
QC value within limits for Ce 413.764 Recovery = 104.28%						
Ce 418.660†	3851.9	1.015 mg/L	0.0270	1.015 mg/L	0.0270	2.66%
QC value within limits for Ce 418.660 Recovery = 101.48%						
Co 228.616†	25884.9	0.9313 mg/L	0.01577	0.9313 mg/L	0.01577	1.69%
QC value within limits for Co 228.616 Recovery = 93.13%						
Co 230.786†	20709.9	0.9421 mg/L	0.02204	0.9421 mg/L	0.02204	2.34%
QC value within limits for Co 230.786 Recovery = 94.21%						
Co 238.892†	3165.9	1.078 mg/L	0.0166	1.078 mg/L	0.0166	1.54%
QC value within limits for Co 238.892 Recovery = 107.80%						
Cr 205.560†	532.6	0.9937 mg/L	0.00706	0.9937 mg/L	0.00706	0.71%
QC value within limits for Cr 205.560 Recovery = 99.37%						
Cr 267.716†	46543.5	0.9172 mg/L	0.01737	0.9172 mg/L	0.01737	1.89%
QC value within limits for Cr 267.716 Recovery = 91.72%						
Cr 283.563†	140923.9	0.9850 mg/L	0.01881	0.9850 mg/L	0.01881	1.91%
QC value within limits for Cr 283.563 Recovery = 98.50%						
Cu 224.700†	692.0	1.031 mg/L	0.0144	1.031 mg/L	0.0144	1.40%
QC value within limits for Cu 224.700 Recovery = 103.14%						
Cu 324.752†	203594.4	0.9538 mg/L	0.01889	0.9538 mg/L	0.01889	1.98%
QC value within limits for Cu 324.752 Recovery = 95.38%						
Cu 327.393†	79790.6	0.9287 mg/L	0.01659	0.9287 mg/L	0.01659	1.79%
QC value within limits for Cu 327.393 Recovery = 92.87%						
Fe 238.204†	6889.9	1.030 mg/L	0.0317	1.030 mg/L	0.0317	3.08%
QC value within limits for Fe 238.204 Recovery = 103.04%						
Fe 239.562†	4981.0	1.029 mg/L	0.0278	1.029 mg/L	0.0278	2.70%
QC value within limits for Fe 239.562 Recovery = 102.91%						
Fe 259.939†	6565.0	1.029 mg/L	0.0329	1.029 mg/L	0.0329	3.20%
QC value within limits for Fe 259.939 Recovery = 102.88%						
Fe 273.955†	1284.4	1.116 mg/L	0.0162	1.116 mg/L	0.0162	1.45%
QC value greater than the upper limit for Fe 273.955 Recovery = 111.60%						
K 766.490†	16399.7	5.837 mg/L	0.2263	5.837 mg/L	0.2263	3.88%
QC value greater than the upper limit for K 766.490 Recovery = 116.75%						
Li 610.362†	9898.7	1.364 mg/L	0.1057	1.364 mg/L	0.1057	7.75%
QC value greater than the upper limit for Li 610.362 Recovery = 136.45%						
Li 670.784†	63280.5	1.082 mg/L	0.0213	1.082 mg/L	0.0213	1.97%
QC value within limits for Li 670.784 Recovery = 108.23%						
Mg 279.077†	797.5	1.069 mg/L	0.0146	1.069 mg/L	0.0146	1.36%
QC value within limits for Mg 279.077 Recovery = 106.91%						
Mg 280.271†	173277.1	1.003 mg/L	0.0007	1.003 mg/L	0.0007	0.07%
QC value within limits for Mg 280.271 Recovery = 100.30%						

Mg 285.213†	18795.5	1.055 mg/L	0.0251	1.055 mg/L	0.0251	2.37%
QC value within limits for Mg 285.213 Recovery = 105.51%						
Mn 257.610†	28550.3	0.9899 mg/L	0.02578	0.9899 mg/L	0.02578	2.60%
QC value within limits for Mn 257.610 Recovery = 98.99%						
Mn 259.372†	37314.1	0.9583 mg/L	0.02224	0.9583 mg/L	0.02224	2.32%
QC value within limits for Mn 259.372 Recovery = 95.83%						
Mn 260.568†	17075.6	0.9767 mg/L	0.02721	0.9767 mg/L	0.02721	2.79%
QC value within limits for Mn 260.568 Recovery = 97.67%						
Mo 202.031†	10590.7	0.9693 mg/L	0.01743	0.9693 mg/L	0.01743	1.80%
QC value within limits for Mo 202.031 Recovery = 96.93%						
Mo 203.845†	176.5	1.015 mg/L	0.0133	1.015 mg/L	0.0133	1.31%
QC value within limits for Mo 203.845 Recovery = 101.55%						
Mo 204.597†	5987.1	1.005 mg/L	0.0171	1.005 mg/L	0.0171	1.70%
QC value within limits for Mo 204.597 Recovery = 100.51%						
Na 588.995†	7776.4	1.095 mg/L	0.1054	1.095 mg/L	0.1054	9.63%
Na 589.592†	4221.6	0.9952 mg/L	0.01570	0.9952 mg/L	0.01570	1.58%
Ni 221.648†	1208.6	1.038 mg/L	0.0128	1.038 mg/L	0.0128	1.24%
QC value within limits for Ni 221.648 Recovery = 103.76%						
Ni 231.604†	24929.4	0.9653 mg/L	0.01654	0.9653 mg/L	0.01654	1.71%
QC value within limits for Ni 231.604 Recovery = 96.53%						
Ni 232.003†	11481.2	0.9745 mg/L	0.01786	0.9745 mg/L	0.01786	1.83%
QC value within limits for Ni 232.003 Recovery = 97.45%						
P 213.617†	8612.2	5.053 mg/L	0.0879	5.053 mg/L	0.0879	1.74%
P 214.914†	7239.7	5.037 mg/L	0.0723	5.037 mg/L	0.0723	1.44%
Pb 217.000†	2962.5	1.998 mg/L	0.0347	1.998 mg/L	0.0347	1.73%
QC value within limits for Pb 217.000 Recovery = 99.92%						
Pb 220.353†	11833.1	1.899 mg/L	0.0453	1.899 mg/L	0.0453	2.39%
QC value within limits for Pb 220.353 Recovery = 94.94%						
Sb 206.836†	4301.4	1.893 mg/L	0.0320	1.893 mg/L	0.0320	1.69%
QC value within limits for Sb 206.836 Recovery = 94.64%						
Sb 217.582†	4761.3	1.961 mg/L	0.0263	1.961 mg/L	0.0263	1.34%
QC value within limits for Sb 217.582 Recovery = 98.04%						
Se 196.026†	1008.7	0.9859 mg/L	0.01911	0.9859 mg/L	0.01911	1.94%
QC value within limits for Se 196.026 Recovery = 98.59%						
Se 203.985†	685.9	0.8954 mg/L	0.02357	0.8954 mg/L	0.02357	2.63%
QC value less than the lower limit for Se 203.985 Recovery = 89.54%						
Si 251.611†	70503.5	4.693 mg/L	0.0935	4.693 mg/L	0.0935	1.99%
Si 288.158†	23905.6	4.764 mg/L	0.0897	4.764 mg/L	0.0897	1.88%
Si 252.851†	2520.9	5.338 mg/L	0.1287	5.338 mg/L	0.1287	2.41%
Sn 235.485†	11093.3	4.564 mg/L	0.0874	4.564 mg/L	0.0874	1.91%
QC value within limits for Sn 235.485 Recovery = 91.28%						
Sn 189.927†	14353.7	4.768 mg/L	0.0914	4.768 mg/L	0.0914	1.92%
QC value within limits for Sn 189.927 Recovery = 95.36%						
Sr 460.733†	-587.4	-4.131 mg/L	0.8816	-4.131 mg/L	0.8816	21.34%
QC value less than the lower limit for Sr 460.733 Recovery = -413.07%						
Sr 407.771†	996439.7	0.9871 mg/L	0.00160	0.9871 mg/L	0.00160	0.16%
QC value within limits for Sr 407.771 Recovery = 98.71%						
Sr 421.552†	323515.3	0.9867 mg/L	0.00114	0.9867 mg/L	0.00114	0.12%
QC value within limits for Sr 421.552 Recovery = 98.67%						
Ti 337.279†	25142.4	1.023 mg/L	0.0273	1.023 mg/L	0.0273	2.67%
QC value within limits for Ti 337.279 Recovery = 102.27%						
Ti 334.940†	35345.2	1.018 mg/L	0.0250	1.018 mg/L	0.0250	2.45%
QC value within limits for Ti 334.940 Recovery = 101.80%						
Ti 336.121†	22254.6	1.040 mg/L	0.0248	1.040 mg/L	0.0248	2.38%
QC value within limits for Ti 336.121 Recovery = 103.98%						
Tl 351.924†	18491.0	4.850 mg/L	0.1046	4.850 mg/L	0.1046	2.16%
QC value within limits for Tl 351.924 Recovery = 97.01%						
Tl 190.801†	5846.0	5.096 mg/L	0.0713	5.096 mg/L	0.0713	1.40%
QC value within limits for Tl 190.801 Recovery = 101.92%						
Tl 276.787†	9132.8	4.290 mg/L	0.0449	4.290 mg/L	0.0449	1.05%
QC value less than the lower limit for Tl 276.787 Recovery = 85.80%						
V 310.230†	20081.4	1.031 mg/L	0.0266	1.031 mg/L	0.0266	2.58%
QC value within limits for V 310.230 Recovery = 103.06%						
V 292.402†	77293.5	0.9410 mg/L	0.02009	0.9410 mg/L	0.02009	2.14%
V 311.071†	125680.4	0.9733 mg/L	0.01856	0.9733 mg/L	0.01856	1.91%
Zn 206.200†	955.1	0.9619 mg/L	0.01478	0.9619 mg/L	0.01478	1.54%
QC value within limits for Zn 206.200 Recovery = 96.19%						
Zn 213.857†	2590.0	0.9685 mg/L	0.01022	0.9685 mg/L	0.01022	1.06%
QC value within limits for Zn 213.857 Recovery = 96.85%						
Zn 202.548†	1902.2	0.9720 mg/L	0.01319	0.9720 mg/L	0.01319	1.36%
QC value within limits for Zn 202.548 Recovery = 97.20%						

QC Failed. Continue with analysis.

Sequence No.: 39
Sample ID: LCM2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/15/2005 11:55:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCM2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	520833.8						5743.90	1.10%
Y 360.073	3115212.4						13383.18	0.43%
Ag 328.068†	6733.1	0.05052	mg/L	0.000507	0.05052	mg/L	0.000507	1.00%
QC value within limits for Ag 328.068 Recovery = 101.03%								
Ag 338.289†	2267.6	0.05024	mg/L	0.001611	0.05024	mg/L	0.001611	3.21%
QC value within limits for Ag 338.289 Recovery = 100.47%								
Al 308.215†	45.6	0.05204	mg/L	0.007307	0.05204	mg/L	0.007307	14.04%
Al 394.401†	100.6	0.06764	mg/L	0.007168	0.06764	mg/L	0.007168	10.60%
Al 396.153†	246.9	0.05090	mg/L	0.011924	0.05090	mg/L	0.011924	23.43%
As 188.979†	-0.5	-0.00049	mg/L	0.001220	-0.00049	mg/L	0.001220	248.84%
As 193.696†	2.4	0.00182	mg/L	0.003104	0.00182	mg/L	0.003104	170.87%
As 197.197†	-0.2	-0.01212	mg/L	0.021150	-0.01212	mg/L	0.021150	174.53%
B 208.889†	8.8	0.05217	mg/L	0.008910	0.05217	mg/L	0.008910	17.08%
B 249.677†	49.6	0.02470	mg/L	0.000464	0.02470	mg/L	0.000464	1.88%
B 249.772†	113.3	0.02652	mg/L	0.001526	0.02652	mg/L	0.001526	5.75%
Ba 233.527†	-2.1	-0.00041	mg/L	0.000423	-0.00041	mg/L	0.000423	102.58%
Ba 455.403†	148.2	0.00071	mg/L	0.000283	0.00071	mg/L	0.000283	40.18%
Ba 493.408†	-61.8	-0.00020	mg/L	0.000427	-0.00020	mg/L	0.000427	208.25%
Be 234.861†	14.9	0.00036	mg/L	0.000090	0.00036	mg/L	0.000090	25.02%
Be 313.042†	12.5	0.00003	mg/L	0.000007	0.00003	mg/L	0.000007	21.61%
Be 313.107†	-3.3	-0.00002	mg/L	0.000111	-0.00002	mg/L	0.000111	514.24%
Ca 315.887†	198.6	0.04508	mg/L	0.001070	0.04508	mg/L	0.001070	2.37%
Ca 317.933†	516.7	0.04714	mg/L	0.002090	0.04714	mg/L	0.002090	4.43%
Cd 214.440†	14.5	0.00021	mg/L	0.000011	0.00021	mg/L	0.000011	5.12%
Cd 226.502†	16.3	0.00037	mg/L	0.000113	0.00037	mg/L	0.000113	30.47%
Cd 228.802†	1.2	0.00053	mg/L	0.000170	0.00053	mg/L	0.000170	31.96%
Ce 413.380†	-39.9	-0.01524	mg/L	0.004519	-0.01524	mg/L	0.004519	29.65%
Ce 413.764†	20.7	0.00698	mg/L	0.009941	0.00698	mg/L	0.009941	142.37%
Ce 418.660†	-56.1	-0.01477	mg/L	0.013583	-0.01477	mg/L	0.013583	91.94%
Co 228.616†	5.8	0.00021	mg/L	0.000311	0.00021	mg/L	0.000311	149.56%
Co 230.786†	-36.2	-0.00165	mg/L	0.000286	-0.00165	mg/L	0.000286	17.32%
Co 238.892†	-1.8	-0.00070	mg/L	0.001682	-0.00070	mg/L	0.001682	240.90%
Cr 205.560†	0.5	0.00100	mg/L	0.001201	0.00100	mg/L	0.001201	120.10%
Cr 267.716†	172.8	0.00342	mg/L	0.000167	0.00342	mg/L	0.000167	4.89%
Cr 283.563†	-2.2	-0.00001	mg/L	0.000018	-0.00001	mg/L	0.000018	129.73%
Cu 224.700†	-5.0	-0.00738	mg/L	0.001660	-0.00738	mg/L	0.001660	22.50%
Cu 324.752†	459.7	0.00217	mg/L	0.000540	0.00217	mg/L	0.000540	24.92%
Cu 327.393†	8.7	0.00011	mg/L	0.000944	0.00011	mg/L	0.000944	868.23%
Fe 238.204†	172.7	0.02598	mg/L	0.000268	0.02598	mg/L	0.000268	1.03%
Fe 239.562†	123.2	0.02564	mg/L	0.000860	0.02564	mg/L	0.000860	3.36%
Fe 259.939†	172.1	0.02714	mg/L	0.000757	0.02714	mg/L	0.000757	2.79%
Fe 273.955†	36.5	0.03199	mg/L	0.002328	0.03199	mg/L	0.002328	7.28%
K 766.490†	-555.1	-0.1976	mg/L	0.16236	-0.1976	mg/L	0.16236	82.17%
Li 610.362†	-772.5	-0.1065	mg/L	0.05016	-0.1065	mg/L	0.05016	47.11%
Li 670.784†	179.5	0.00307	mg/L	0.003666	0.00307	mg/L	0.003666	119.41%
Mg 279.077†	19.5	0.02618	mg/L	0.014157	0.02618	mg/L	0.014157	54.08%
Mg 280.271†	2662.1	0.01546	mg/L	0.000207	0.01546	mg/L	0.000207	1.34%
Mg 285.213†	291.9	0.01642	mg/L	0.000684	0.01642	mg/L	0.000684	4.16%
Mn 257.610†	10.8	0.00037	mg/L	0.000163	0.00037	mg/L	0.000163	43.66%
Mn 259.372†	14.8	0.00034	mg/L	0.000382	0.00034	mg/L	0.000382	110.99%
Mn 260.568†	7.6	0.00044	mg/L	0.000218	0.00044	mg/L	0.000218	49.88%
Mo 202.031†	13.6	0.00125	mg/L	0.000396	0.00125	mg/L	0.000396	31.74%
Mo 203.845†	0.1	0.00043	mg/L	0.010670	0.00043	mg/L	0.010670	>999.9%
Mo 204.597†	7.8	0.00131	mg/L	0.000360	0.00131	mg/L	0.000360	27.44%
Na 588.995†	-2060.8	-0.2916	mg/L	0.06901	-0.2916	mg/L	0.06901	23.67%
Na 589.592†	-3.2	-0.00058	mg/L	0.008311	-0.00058	mg/L	0.008311	>999.9%
Ni 221.648†	2.1	0.00185	mg/L	0.001145	0.00185	mg/L	0.001145	61.88%
Ni 231.604†	44.6	0.00173	mg/L	0.000425	0.00173	mg/L	0.000425	24.52%
Ni 232.003†	15.0	0.00130	mg/L	0.000847	0.00130	mg/L	0.000847	64.94%
P 213.617†	-5.3	-0.00277	mg/L	0.002047	-0.00277	mg/L	0.002047	73.95%

P 214.914†	-5.6	-0.00393 mg/L	0.001738	-0.00393 mg/L	0.001738	44.20%
Pb 217.000†	-3.5	-0.00238 mg/L	0.005693	-0.00238 mg/L	0.005693	239.38%
Pb 220.353†	9.4	0.00152 mg/L	0.000346	0.00152 mg/L	0.000346	22.70%
Sb 206.836†	3.3	0.00145 mg/L	0.000396	0.00145 mg/L	0.000396	27.38%
Sb 217.582†	17.7	0.00730 mg/L	0.001684	0.00730 mg/L	0.001684	23.05%
Se 196.026†	3.3	0.00320 mg/L	0.002983	0.00320 mg/L	0.002983	93.29%
Se 203.985†	3.5	0.00591 mg/L	0.007717	0.00591 mg/L	0.007717	130.54%
Si 251.611†	777.7	0.05226 mg/L	0.001893	0.05226 mg/L	0.001893	3.62%
Si 288.158†	302.3	0.06059 mg/L	0.000855	0.06059 mg/L	0.000855	1.41%
Si 252.851†	13.1	0.03954 mg/L	0.016496	0.03954 mg/L	0.016496	41.72%
Sn 235.485†	29.0	0.00335 mg/L	0.004624	0.00335 mg/L	0.004624	138.16%
Sn 189.927†	10.3	0.00343 mg/L	0.001944	0.00343 mg/L	0.001944	56.70%
Sr 460.733†	-34.4	-0.2412 mg/L	0.43494	-0.2412 mg/L	0.43494	180.32%
Sr 407.771†	436.7	0.00043 mg/L	0.000076	0.00043 mg/L	0.000076	17.56%
Sr 421.552†	134.7	0.00041 mg/L	0.000072	0.00041 mg/L	0.000072	17.48%
Ti 337.279†	29.2	0.00118 mg/L	0.000146	0.00118 mg/L	0.000146	12.31%
Ti 334.940†	45.0	0.00130 mg/L	0.000088	0.00130 mg/L	0.000088	6.81%
Ti 336.121†	76.3	0.00357 mg/L	0.000800	0.00357 mg/L	0.000800	22.42%
Tl 351.924†	-103.3	-0.02778 mg/L	0.006915	-0.02778 mg/L	0.006915	24.90%
Tl 190.801†	4.9	0.00424 mg/L	0.001558	0.00424 mg/L	0.001558	36.76%
Tl 276.787†	8.6	0.00384 mg/L	0.004710	0.00384 mg/L	0.004710	122.70%
V 310.230†	20.7	0.00109 mg/L	0.001226	0.00109 mg/L	0.001226	112.59%
V 292.402†	28.5	0.00034 mg/L	0.000036	0.00034 mg/L	0.000036	10.36%
V 311.071†	48.2	0.00036 mg/L	0.000114	0.00036 mg/L	0.000114	31.38%
Zn 206.200†	5.4	0.00542 mg/L	0.000647	0.00542 mg/L	0.000647	11.94%
Zn 213.857†	13.0	0.00491 mg/L	0.000288	0.00491 mg/L	0.000288	5.87%
Zn 202.548†	11.0	0.00572 mg/L	0.000812	0.00572 mg/L	0.000812	14.19%

All analyte(s) passed QC.

Sequence No.: 40 **Autosampler Location: 4**
Sample ID: HiLCM **Date Collected: 6/15/2005 12:00:06 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: HiLCM

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	471263.2						6447.48	1.37%
Y 360.073	2908912.6						24930.97	0.86%
Ag 328.068†	-170.1	-0.00025	mg/L	0.000305	-0.00025	mg/L	0.000305	119.96%
Ag 338.289†	-63.9	-0.00212	mg/L	0.000438	-0.00212	mg/L	0.000438	20.65%
Al 308.215†	88394.2	100.7	mg/L	2.29	100.7	mg/L	2.29	2.27%
QC value within limits for Al 308.215 Recovery = 100.75%								
Al 394.401†	147563.0	96.98	mg/L	0.352	96.98	mg/L	0.352	0.36%
Al 396.153†	502166.7	103.2	mg/L	0.40	103.2	mg/L	0.40	0.39%
As 188.979†	-22.5	-0.02404	mg/L	0.005065	-0.02404	mg/L	0.005065	21.06%
As 193.696†	-73.6	-0.01575	mg/L	0.004306	-0.01575	mg/L	0.004306	27.33%
As 197.197†	-1.5	-0.1024	mg/L	0.20029	-0.1024	mg/L	0.20029	195.52%
B 208.889†	18.3	0.08468	mg/L	0.004300	0.08468	mg/L	0.004300	5.08%
B 249.677†	18.7	0.01495	mg/L	0.002086	0.01495	mg/L	0.002086	13.95%
B 249.772†	605.7	0.04847	mg/L	0.000358	0.04847	mg/L	0.000358	0.74%
Ba 233.527†	0.3	-0.00202	mg/L	0.000591	-0.00202	mg/L	0.000591	29.21%
Ba 455.403†	155.2	0.00044	mg/L	0.000299	0.00044	mg/L	0.000299	67.90%
Ba 493.408†	414.0	0.00059	mg/L	0.000545	0.00059	mg/L	0.000545	91.91%
Be 234.861†	592.7	0.00316	mg/L	0.000334	0.00316	mg/L	0.000334	10.57%
Be 313.042†	-55.3	-0.00013	mg/L	0.000019	-0.00013	mg/L	0.000019	14.94%
Be 313.107†	-73.0	-0.00028	mg/L	0.000042	-0.00028	mg/L	0.000042	14.88%
Ca 315.887†	452198.1	102.6	mg/L	0.39	102.6	mg/L	0.39	0.38%
QC value within limits for Ca 315.887 Recovery = 102.63%								
Ca 317.933†	1008422.8	91.66	mg/L	0.252	91.66	mg/L	0.252	0.28%
Cd 214.440†	400.4	-0.00044	mg/L	0.000279	-0.00044	mg/L	0.000279	64.11%
Cd 226.502†	257.1	-0.00164	mg/L	0.000361	-0.00164	mg/L	0.000361	21.99%
Cd 228.802†	3.9	0.00123	mg/L	0.001107	0.00123	mg/L	0.001107	89.89%
Ce 413.380†	99.2	0.01331	mg/L	0.004902	0.01331	mg/L	0.004902	36.84%
Ce 413.764†	15.0	-0.01049	mg/L	0.028526	-0.01049	mg/L	0.028526	271.94%
Ce 418.660†	1.3	-0.00209	mg/L	0.024508	-0.00209	mg/L	0.024508	>999.9%
Co 228.616†	-11.2	-0.00119	mg/L	0.000086	-0.00119	mg/L	0.000086	7.25%
Co 230.786†	1132.7	0.02306	mg/L	0.001471	0.02306	mg/L	0.001471	6.38%
Co 238.892†	817.0	0.03231	mg/L	0.004565	0.03231	mg/L	0.004565	14.13%

Cr 205.560†	-4.2	-0.00793 mg/L	0.001760	-0.00793 mg/L	0.001760	22.18%
Cr 267.716†	918.7	0.01095 mg/L	0.000419	0.01095 mg/L	0.000419	3.83%
Cr 283.563†	3266.9	-0.02638 mg/L	0.000732	-0.02638 mg/L	0.000732	2.77%
Cu 224.700†	42.2	0.00942 mg/L	0.001719	0.00942 mg/L	0.001719	18.26%
Cu 324.752†	1141.1	0.00197 mg/L	0.000241	0.00197 mg/L	0.000241	12.24%
Cu 327.393†	167.8	-0.00012 mg/L	0.001296	-0.00012 mg/L	0.001296	>999.9%
Fe 238.204†	641457.1	96.36 mg/L	0.300	96.36 mg/L	0.300	0.31%
Fe 239.562†	464780.8	96.56 mg/L	0.379	96.56 mg/L	0.379	0.39%
Fe 259.939†	614982.7	96.84 mg/L	0.282	96.84 mg/L	0.282	0.29%
Fe 273.955†	116234.9	101.7 mg/L	0.36	101.7 mg/L	0.36	0.35%
QC value within limits for Fe 273.955 Recovery = 101.68%						
K 766.490†	285989.3	101.8 mg/L	0.60	101.8 mg/L	0.60	0.59%
QC value within limits for K 766.490 Recovery = 101.80%						
Li 610.362†	4068.1	0.5607 mg/L	0.14031	0.5607 mg/L	0.14031	25.02%
Li 670.784†	274.9	0.00470 mg/L	0.002466	0.00470 mg/L	0.002466	52.45%
Mg 279.077†	44285.4	59.42 mg/L	1.437	59.42 mg/L	1.437	2.42%
QC value within limits for Mg 279.077 Recovery = 99.04%						
Mg 280.271†	9712942.3	56.33 mg/L	0.923	56.33 mg/L	0.923	1.64%
Mg 285.213†	1062036.3	59.66 mg/L	0.228	59.66 mg/L	0.228	0.38%
Mn 257.610†	29.9	-0.00197 mg/L	0.000595	-0.00197 mg/L	0.000595	30.25%
Mn 259.372†	4430.7	-0.00757 mg/L	0.002731	-0.00757 mg/L	0.002731	36.06%
Mn 260.568†	72.6	-0.00187 mg/L	0.000186	-0.00187 mg/L	0.000186	9.94%
Mo 202.031†	1.4	0.00350 mg/L	0.000175	0.00350 mg/L	0.000175	4.99%
Mo 203.845†	4.1	0.01301 mg/L	0.009282	0.01301 mg/L	0.009282	71.36%
Mo 204.597†	35.5	0.00109 mg/L	0.000634	0.00109 mg/L	0.000634	58.09%
Na 588.995†	716195.9	101.5 mg/L	0.48	101.5 mg/L	0.48	0.47%
Na 589.592†	399968.2	95.09 mg/L	0.298	95.09 mg/L	0.298	0.31%
QC value within limits for Na 589.592 Recovery = 95.09%						
Ni 221.648†	0.6	-0.00393 mg/L	0.000621	-0.00393 mg/L	0.000621	15.82%
Ni 231.604†	91.2	0.00025 mg/L	0.000420	0.00025 mg/L	0.000420	170.29%
Ni 232.003†	-718.9	-0.02109 mg/L	0.003004	-0.02109 mg/L	0.003004	14.25%
P 213.617†	-33.7	0.00923 mg/L	0.004616	0.00923 mg/L	0.004616	50.02%
P 214.914†	94.2	0.00844 mg/L	0.000757	0.00844 mg/L	0.000757	8.97%
Pb 217.000†	241.2	0.02165 mg/L	0.008711	0.02165 mg/L	0.008711	40.24%
Pb 220.353†	6.7	0.01259 mg/L	0.001135	0.01259 mg/L	0.001135	9.01%
Sb 206.836†	-4.0	-0.00737 mg/L	0.002033	-0.00737 mg/L	0.002033	27.57%
Sb 217.582†	57.4	0.01139 mg/L	0.002388	0.01139 mg/L	0.002388	20.97%
Se 196.026†	-16.1	0.00534 mg/L	0.003519	0.00534 mg/L	0.003519	65.88%
Se 203.985†	135.7	0.2540 mg/L	0.01292	0.2540 mg/L	0.01292	5.09%
Si 251.611†	713.1	0.03850 mg/L	0.001306	0.03850 mg/L	0.001306	3.39%
Si 288.158†	254.0	0.03735 mg/L	0.004758	0.03735 mg/L	0.004758	12.74%
Si 252.851†	-15.5	-0.06931 mg/L	0.003495	-0.06931 mg/L	0.003495	5.04%
Sn 235.485†	18237.4	-20.63 mg/L	0.228	-20.63 mg/L	0.228	1.11%
Sn 189.927†	-73.5	-0.02120 mg/L	0.000760	-0.02120 mg/L	0.000760	3.58%
Sr 460.733†	-124.9	-0.8910 mg/L	0.88864	-0.8910 mg/L	0.88864	99.74%
Sr 407.771†	852.6	-0.00101 mg/L	0.000029	-0.00101 mg/L	0.000029	2.87%
Sr 421.552†	386.0	-0.00083 mg/L	0.000070	-0.00083 mg/L	0.000070	8.44%
Ti 337.279†	62.9	-0.00284 mg/L	0.000287	-0.00284 mg/L	0.000287	10.12%
Ti 334.940†	-211.8	-0.00641 mg/L	0.000245	-0.00641 mg/L	0.000245	3.83%
Ti 336.121†	28.5	-0.00372 mg/L	0.000040	-0.00372 mg/L	0.000040	1.08%
Tl 351.924†	54.3	-0.00450 mg/L	0.007117	-0.00450 mg/L	0.007117	158.08%
Tl 190.801†	-5.6	-0.00294 mg/L	0.001849	-0.00294 mg/L	0.001849	62.86%
Tl 276.787†	5964.6	2.387 mg/L	0.1031	2.387 mg/L	0.1031	4.32%
V 310.230†	159.5	0.00867 mg/L	0.001189	0.00867 mg/L	0.001189	13.71%
V 292.402†	323.4	-0.00144 mg/L	0.000062	-0.00144 mg/L	0.000062	4.29%
V 311.071†	-939.1	-0.00704 mg/L	0.000544	-0.00704 mg/L	0.000544	7.73%
Zn 206.200†	16.9	0.01091 mg/L	0.000525	0.01091 mg/L	0.000525	4.81%
Zn 213.857†	63.2	0.01015 mg/L	0.001308	0.01015 mg/L	0.001308	12.89%
Zn 202.548†	26.7	0.00545 mg/L	0.001131	0.00545 mg/L	0.001131	20.76%

All analyte(s) passed QC.

Sequence No.: 41
Sample ID: wash
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 6/15/2005 12:04:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: wash

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Y 371.029	525402.6				10157.07	1.93%
Y 360.073	3129764.1				51911.11	1.66%
Ag 328.068†	78.6	0.00051 mg/L	0.000518	0.00051 mg/L	0.000518	100.74%
Ag 338.289†	-79.9	-0.00186 mg/L	0.000435	-0.00186 mg/L	0.000435	23.37%
Al 308.215†	6.4	0.00753 mg/L	0.018156	0.00753 mg/L	0.018156	240.99%
Al 394.401†	29.9	0.02130 mg/L	0.011521	0.02130 mg/L	0.011521	54.08%
Al 396.153†	85.8	0.01783 mg/L	0.020749	0.01783 mg/L	0.020749	116.35%
As 188.979†	-1.5	-0.00147 mg/L	0.002176	-0.00147 mg/L	0.002176	148.48%
As 193.696†	-0.2	-0.00004 mg/L	0.001961	-0.00004 mg/L	0.001961	>999.9%
As 197.197†	-0.5	-0.02810 mg/L	0.028380	-0.02810 mg/L	0.028380	100.98%
B 208.889†	0.7	0.00397 mg/L	0.009260	0.00397 mg/L	0.009260	233.10%
B 249.677†	10.6	0.00537 mg/L	0.002483	0.00537 mg/L	0.002483	46.26%
B 249.772†	21.2	0.00496 mg/L	0.001393	0.00496 mg/L	0.001393	28.09%
Ba 233.527†	-4.8	-0.00095 mg/L	0.000718	-0.00095 mg/L	0.000718	75.86%
Ba 455.403†	70.5	0.00036 mg/L	0.000748	0.00036 mg/L	0.000748	206.74%
Ba 493.408†	-59.0	-0.00018 mg/L	0.000690	-0.00018 mg/L	0.000690	392.85%
Be 234.861†	7.2	0.00017 mg/L	0.000088	0.00017 mg/L	0.000088	52.12%
Be 313.042†	-45.2	-0.00012 mg/L	0.000018	-0.00012 mg/L	0.000018	15.22%
Be 313.107†	-33.6	-0.00022 mg/L	0.000116	-0.00022 mg/L	0.000116	52.51%
Ca 315.887†	94.2	0.02138 mg/L	0.006663	0.02138 mg/L	0.006663	31.17%
Ca 317.933†	384.6	0.03537 mg/L	0.004496	0.03537 mg/L	0.004496	12.71%
Cd 214.440†	-0.3	0.00004 mg/L	0.000127	0.00004 mg/L	0.000127	289.69%
Cd 226.502†	5.7	0.00013 mg/L	0.000177	0.00013 mg/L	0.000177	137.98%
Cd 228.802†	3.7	0.00168 mg/L	0.000452	0.00168 mg/L	0.000452	26.91%
Ce 413.380†	-8.5	-0.00320 mg/L	0.019478	-0.00320 mg/L	0.019478	608.69%
Ce 413.764†	42.9	0.01451 mg/L	0.035074	0.01451 mg/L	0.035074	241.72%
Ce 418.660†	-52.7	-0.01390 mg/L	0.008913	-0.01390 mg/L	0.008913	64.12%
Co 228.616†	1.9	0.00007 mg/L	0.000177	0.00007 mg/L	0.000177	256.49%
Co 230.786†	-49.7	-0.00227 mg/L	0.001118	-0.00227 mg/L	0.001118	49.36%
Co 238.892†	-1.4	-0.00059 mg/L	0.000724	-0.00059 mg/L	0.000724	121.83%
Cr 205.560†	-0.9	-0.00163 mg/L	0.001674	-0.00163 mg/L	0.001674	102.66%
Cr 267.716†	5.1	0.00011 mg/L	0.000066	0.00011 mg/L	0.000066	58.05%
Cr 283.563†	-475.4	-0.00333 mg/L	0.000503	-0.00333 mg/L	0.000503	15.09%
Cu 224.700†	-2.8	-0.00384 mg/L	0.003473	-0.00384 mg/L	0.003473	90.38%
Cu 324.752†	312.8	0.00150 mg/L	0.000523	0.00150 mg/L	0.000523	34.87%
Cu 327.393†	-80.5	-0.00092 mg/L	0.000217	-0.00092 mg/L	0.000217	23.72%
Fe 238.204†	280.7	0.04228 mg/L	0.041617	0.04228 mg/L	0.041617	98.43%
Fe 239.562†	206.1	0.04295 mg/L	0.041076	0.04295 mg/L	0.041076	95.63%
Fe 259.939†	272.0	0.04296 mg/L	0.041475	0.04296 mg/L	0.041475	96.54%
Fe 273.955†	60.7	0.05320 mg/L	0.056244	0.05320 mg/L	0.056244	105.72%
K 766.490†	-804.9	-0.2865 mg/L	0.34484	-0.2865 mg/L	0.34484	120.36%
Li 610.362†	-800.6	-0.1104 mg/L	0.13258	-0.1104 mg/L	0.13258	120.14%
Li 670.784†	235.1	0.00402 mg/L	0.000382	0.00402 mg/L	0.000382	9.51%
Mg 279.077†	20.3	0.02733 mg/L	0.007930	0.02733 mg/L	0.007930	29.02%
Mg 280.271†	2707.9	0.01575 mg/L	0.008218	0.01575 mg/L	0.008218	52.17%
Mg 285.213†	332.8	0.01875 mg/L	0.010975	0.01875 mg/L	0.010975	58.54%
Mn 257.610†	4.7	0.00017 mg/L	0.000088	0.00017 mg/L	0.000088	52.67%
Mn 259.372†	6.0	0.00009 mg/L	0.000157	0.00009 mg/L	0.000157	178.58%
Mn 260.568†	-1.6	-0.00009 mg/L	0.000462	-0.00009 mg/L	0.000462	528.17%
Mo 202.031†	5.0	0.00047 mg/L	0.000259	0.00047 mg/L	0.000259	54.65%
Mo 203.845†	0.5	0.00271 mg/L	0.020435	0.00271 mg/L	0.020435	755.43%
Mo 204.597†	-1.1	-0.00020 mg/L	0.000853	-0.00020 mg/L	0.000853	417.65%
Na 588.995†	-1992.4	-0.2811 mg/L	0.14025	-0.2811 mg/L	0.14025	49.89%
Na 589.592†	-7.6	-0.00138 mg/L	0.018712	-0.00138 mg/L	0.018712	>999.9%
Ni 221.648†	3.2	0.00273 mg/L	0.001295	0.00273 mg/L	0.001295	47.46%
Ni 231.604†	11.5	0.00046 mg/L	0.000326	0.00046 mg/L	0.000326	70.94%
Ni 232.003†	7.4	0.00073 mg/L	0.001066	0.00073 mg/L	0.001066	145.90%
P 213.617†	-10.4	-0.00595 mg/L	0.001979	-0.00595 mg/L	0.001979	33.25%
P 214.914†	-3.7	-0.00259 mg/L	0.004073	-0.00259 mg/L	0.004073	157.25%
Pb 217.000†	-0.6	-0.00041 mg/L	0.006155	-0.00041 mg/L	0.006155	>999.9%
Pb 220.353†	-0.0	-0.00001 mg/L	0.000866	-0.00001 mg/L	0.000866	>999.9%
Sb 206.836†	0.4	0.00019 mg/L	0.000046	0.00019 mg/L	0.000046	23.98%
Sb 217.582†	13.4	0.00556 mg/L	0.001580	0.00556 mg/L	0.001580	28.43%
Se 196.026†	-2.2	-0.00222 mg/L	0.002041	-0.00222 mg/L	0.002041	92.11%
Se 203.985†	4.7	0.00865 mg/L	0.003453	0.00865 mg/L	0.003453	39.89%
Si 251.611†	234.9	0.01609 mg/L	0.001526	0.01609 mg/L	0.001526	9.49%
Si 288.158†	113.7	0.02318 mg/L	0.005371	0.02318 mg/L	0.005371	23.17%
Si 252.851†	3.2	0.00909 mg/L	0.014028	0.00909 mg/L	0.014028	154.30%
Sn 235.485†	24.3	-0.00528 mg/L	0.011662	-0.00528 mg/L	0.011662	220.75%
Sn 189.927†	4.1	0.00134 mg/L	0.001081	0.00134 mg/L	0.001081	80.57%
Sr 460.733†	-83.1	-0.5825 mg/L	0.76379	-0.5825 mg/L	0.76379	131.12%
Sr 407.771†	-8.6	-0.00001 mg/L	0.000010	-0.00001 mg/L	0.000010	114.98%

Sr 421.552†	-84.0	-0.00026	mg/L	0.000079	-0.00026	mg/L	0.000079	31.02%
Ti 337.279†	-2.6	-0.00011	mg/L	0.000151	-0.00011	mg/L	0.000151	141.51%
Ti 334.940†	13.1	0.00038	mg/L	0.000272	0.00038	mg/L	0.000272	71.78%
Ti 336.121†	25.8	0.00121	mg/L	0.000989	0.00121	mg/L	0.000989	81.55%
Tl 351.924†	-80.3	-0.02273	mg/L	0.004825	-0.02273	mg/L	0.004825	21.23%
Tl 190.801†	0.3	0.00030	mg/L	0.004100	0.00030	mg/L	0.004100	>999.9%
Tl 276.787†	-11.6	-0.00564	mg/L	0.000555	-0.00564	mg/L	0.000555	9.84%
V 310.230†	47.4	0.00248	mg/L	0.002818	0.00248	mg/L	0.002818	113.51%
V 292.402†	7.6	0.00010	mg/L	0.000228	0.00010	mg/L	0.000228	238.39%
V 311.071†	-61.2	-0.00049	mg/L	0.000067	-0.00049	mg/L	0.000067	13.73%
Zn 206.200†	-0.8	-0.00079	mg/L	0.000646	-0.00079	mg/L	0.000646	82.07%
Zn 213.857†	-1.1	-0.00041	mg/L	0.000885	-0.00041	mg/L	0.000885	216.32%
Zn 202.548†	-0.5	-0.00021	mg/L	0.001129	-0.00021	mg/L	0.001129	527.47%

Sequence No.: 42
Sample ID: 0505010-02 undig
Analyst:
Initial Sample Wt:
Dilution:

wrong "2" sample Jun 15 [illegible]

Autosampler Location: 46
Date Collected: 6/15/2005 12:08:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 0505010-02 undig

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	498863.4						3098.46	0.62%
Y 360.073	3147019.7						19728.89	0.63%
Ag 328.068†	30.4	0.00010	mg/L	0.001238	0.00010	mg/L	0.001238	>999.9%
Ag 338.289†	-39.9	-0.00113	mg/L	0.000558	-0.00113	mg/L	0.000558	49.62%
Al 308.215†	76.7	0.08263	mg/L	0.008073	0.08263	mg/L	0.008073	9.77%
Al 394.401†	149.3	0.09173	mg/L	0.005367	0.09173	mg/L	0.005367	5.85%
Al 396.153†	433.5	0.06973	mg/L	0.022116	0.06973	mg/L	0.022116	31.72%
As 188.979†	-10.5	-0.00983	mg/L	0.004226	-0.00983	mg/L	0.004226	43.00%
As 193.696†	24.7	0.01667	mg/L	0.001134	0.01667	mg/L	0.001134	6.80%
As 197.197†	-2.4	-0.1191	mg/L	0.10088	-0.1191	mg/L	0.10088	84.73%
B 208.889†	17.8	0.1012	mg/L	0.01517	0.1012	mg/L	0.01517	14.99%
B 249.677†	146.5	0.07278	mg/L	0.001332	0.07278	mg/L	0.001332	1.83%
B 249.772†	319.9	0.07408	mg/L	0.002786	0.07408	mg/L	0.002786	3.76%
Ba 233.527†	112.9	0.02306	mg/L	0.000549	0.02306	mg/L	0.000549	2.38%
Ba 455.403†	4977.9	0.02320	mg/L	0.000895	0.02320	mg/L	0.000895	3.86%
Ba 493.408†	6665.9	0.02350	mg/L	0.000593	0.02350	mg/L	0.000593	2.52%
Be 234.861†	2.8	0.00003	mg/L	0.000037	0.00003	mg/L	0.000037	110.26%
Be 313.042†	-66.9	-0.00017	mg/L	0.000084	-0.00017	mg/L	0.000084	48.21%
Be 313.107†	-58.7	-0.00034	mg/L	0.000028	-0.00034	mg/L	0.000028	8.13%
Ca 315.887†	192273.6	43.64	mg/L	0.090	43.64	mg/L	0.090	0.21%
Ca 317.933†	427134.4	38.83	mg/L	0.124	38.83	mg/L	0.124	0.32%
Cd 214.440†	41.5	0.00047	mg/L	0.000145	0.00047	mg/L	0.000145	30.56%
Cd 226.502†	7.9	0.00016	mg/L	0.000175	0.00016	mg/L	0.000175	107.82%
Cd 228.802†	0.8	0.00037	mg/L	0.001582	0.00037	mg/L	0.001582	428.18%
Ce 413.380†	30.0	0.01056	mg/L	0.030496	0.01056	mg/L	0.030496	288.74%
Ce 413.764†	-3.5	-0.00231	mg/L	0.015584	-0.00231	mg/L	0.015584	675.04%
Ce 418.660†	-32.2	-0.00842	mg/L	0.012416	-0.00842	mg/L	0.012416	147.50%
Co 228.616†	6.5	0.00017	mg/L	0.000024	0.00017	mg/L	0.000024	14.17%
Co 230.786†	24.1	0.00000	mg/L	0.000240	0.00000	mg/L	0.000240	>999.9%
Co 238.892†	7.0	0.00056	mg/L	0.002706	0.00056	mg/L	0.002706	486.32%
Cr 205.560†	-1.1	-0.00082	mg/L	0.000412	-0.00082	mg/L	0.000412	50.19%
Cr 267.716†	391.4	0.00539	mg/L	0.000292	0.00539	mg/L	0.000292	5.41%
Cr 283.563†	-500.3	-0.00350	mg/L	0.000063	-0.00350	mg/L	0.000063	1.81%
Cu 224.700†	-2.8	-0.00329	mg/L	0.006041	-0.00329	mg/L	0.006041	183.46%
Cu 324.752†	790.3	0.00339	mg/L	0.000355	0.00339	mg/L	0.000355	10.49%
Cu 327.393†	133.2	0.00127	mg/L	0.000908	0.00127	mg/L	0.000908	71.44%
Fe 238.204†	4637.4	0.6943	mg/L	0.37858	0.6943	mg/L	0.37858	54.53%
Fe 239.562†	2445.3	0.5057	mg/L	0.01741	0.5057	mg/L	0.01741	3.44%
Fe 259.939†	3227.4	0.5060	mg/L	0.01688	0.5060	mg/L	0.01688	3.34%
Fe 273.955†	604.5	0.5263	mg/L	0.02023	0.5263	mg/L	0.02023	3.84%
K 766.490†	11270.2	4.012	mg/L	0.0844	4.012	mg/L	0.0844	2.10%
Li 610.362†	1830.0	0.2523	mg/L	0.02415	0.2523	mg/L	0.02415	9.57%
Li 670.784†	447.9	0.00766	mg/L	0.000968	0.00766	mg/L	0.000968	12.63%
Mg 279.077†	12399.8	16.65	mg/L	0.154	16.65	mg/L	0.154	0.93%
Mg 280.271†	2902998.4	16.84	mg/L	0.037	16.84	mg/L	0.037	0.22%
Mg 285.213†	299581.5	16.83	mg/L	0.027	16.83	mg/L	0.027	0.16%
Mn 257.610†	987.7	0.03380	mg/L	0.000231	0.03380	mg/L	0.000231	0.68%

Mn 259.372†	1320.4	0.03302 mg/L	0.000455	0.03302 mg/L	0.000455	1.38%
Mn 260.568†	600.9	0.03396 mg/L	0.000027	0.03396 mg/L	0.000027	0.08%
Mo 202.031†	106.9	0.00979 mg/L	0.000434	0.00979 mg/L	0.000434	4.43%
Mo 203.845†	2.9	0.01377 mg/L	0.020719	0.01377 mg/L	0.020719	150.45%
Mo 204.597†	43.6	0.00708 mg/L	0.000480	0.00708 mg/L	0.000480	6.78%
Na 588.995†	196504.8	27.86 mg/L	0.025	27.86 mg/L	0.025	0.09%
Na 589.592†	109651.2	26.07 mg/L	0.066	26.07 mg/L	0.066	0.25%
Ni 221.648†	-0.0	-0.00111 mg/L	0.001469	-0.00111 mg/L	0.001469	132.12%
Ni 231.604†	67.4	0.00212 mg/L	0.000214	0.00212 mg/L	0.000214	10.11%
Ni 232.003†	-1.1	0.00000 mg/L	0.000715	0.00000 mg/L	0.000715	>999.9%
P 213.617†	81.0	0.04767 mg/L	0.002455	0.04767 mg/L	0.002455	5.15%
P 214.914†	72.6	0.04901 mg/L	0.003042	0.04901 mg/L	0.003042	6.21%
Pb 217.000†	-7.5	-0.00509 mg/L	0.003834	-0.00509 mg/L	0.003834	75.33%
Pb 220.353†	37.6	0.00583 mg/L	0.000400	0.00583 mg/L	0.000400	6.87%
Sb 206.836†	6.8	0.00280 mg/L	0.001395	0.00280 mg/L	0.001395	49.81%
Sb 217.582†	11.3	0.00671 mg/L	0.003162	0.00671 mg/L	0.003162	47.14%
Se 196.026†	4.4	0.00370 mg/L	0.004810	0.00370 mg/L	0.004810	130.16%
Se 203.985†	15.2	0.02888 mg/L	0.008872	0.02888 mg/L	0.008872	30.72%
Si 251.611†	46527.8	3.113 mg/L	0.2377	3.113 mg/L	0.2377	7.64%
Si 288.158†	15776.7	3.148 mg/L	0.2319	3.148 mg/L	0.2319	7.37%
Si 252.851†	1060.9	3.257 mg/L	0.0543	3.257 mg/L	0.0543	1.67%
Sn 235.485†	94.6	-0.1078 mg/L	0.00968	-0.1078 mg/L	0.00968	8.99%
Sn 189.927†	-41.1	-0.01186 mg/L	0.001070	-0.01186 mg/L	0.001070	9.02%
Sr 460.733†	-67.5	-0.4773 mg/L	0.37772	-0.4773 mg/L	0.37772	79.14%
Sr 407.771†	134524.3	0.1326 mg/L	0.00029	0.1326 mg/L	0.00029	0.22%
Sr 421.552†	44891.6	0.1363 mg/L	0.00082	0.1363 mg/L	0.00082	0.60%
Ti 337.279†	70.4	0.00069 mg/L	0.001060	0.00069 mg/L	0.001060	153.27%
Ti 334.940†	-16.0	-0.00050 mg/L	0.001051	-0.00050 mg/L	0.001051	208.39%
Ti 336.121†	112.5	0.00325 mg/L	0.001941	0.00325 mg/L	0.001941	59.79%
Tl 351.924†	-119.2	-0.03692 mg/L	0.004456	-0.03692 mg/L	0.004456	12.07%
Tl 190.801†	2.5	0.00071 mg/L	0.001921	0.00071 mg/L	0.001921	269.41%
Tl 276.787†	2081.3	0.8830 mg/L	0.01498	0.8830 mg/L	0.01498	1.70%
V 310.230†	129.3	0.00682 mg/L	0.000441	0.00682 mg/L	0.000441	6.47%
V 292.402†	77.5	0.00101 mg/L	0.000248	0.00101 mg/L	0.000248	24.48%
V 311.071†	-303.5	-0.00197 mg/L	0.000203	-0.00197 mg/L	0.000203	10.30%
Zn 206.200†	21.6	0.01979 mg/L	0.001970	0.01979 mg/L	0.001970	9.96%
Zn 213.857†	57.6	0.01941 mg/L	0.001071	0.01941 mg/L	0.001071	5.52%
Zn 202.548†	36.7	0.01734 mg/L	0.000182	0.01734 mg/L	0.000182	1.05%

Sequence No.: 43
Sample ID: wash
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 6/15/2005 12:12:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: wash

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	519419.7						7121.06	1.37%
Y 360.073	3163591.4						35836.31	1.13%
Ag 328.068†	55.1	0.00035	mg/L	0.000500	0.00035	mg/L	0.000500	143.88%
Ag 338.289†	-73.6	-0.00174	mg/L	0.001709	-0.00174	mg/L	0.001709	98.29%
Al 308.215†	0.4	0.00079	mg/L	0.010286	0.00079	mg/L	0.010286	>999.9%
Al 394.401†	6.5	0.00578	mg/L	0.005422	0.00578	mg/L	0.005422	93.77%
Al 396.153†	-59.6	-0.01194	mg/L	0.008499	-0.01194	mg/L	0.008499	71.19%
As 188.979†	0.1	0.00032	mg/L	0.003527	0.00032	mg/L	0.003527	>999.9%
As 193.696†	2.6	0.00210	mg/L	0.001533	0.00210	mg/L	0.001533	73.00%
As 197.197†	-0.2	-0.00903	mg/L	0.062019	-0.00903	mg/L	0.062019	686.93%
B 208.889†	3.2	0.01910	mg/L	0.008124	0.01910	mg/L	0.008124	42.54%
B 249.677†	5.2	0.00266	mg/L	0.001573	0.00266	mg/L	0.001573	59.10%
B 249.772†	18.7	0.00442	mg/L	0.001187	0.00442	mg/L	0.001187	26.85%
Ba 233.527†	-9.3	-0.00185	mg/L	0.000340	-0.00185	mg/L	0.000340	18.34%
Ba 455.403†	-28.4	-0.00009	mg/L	0.001008	-0.00009	mg/L	0.001008	>999.9%
Ba 493.408†	-223.7	-0.00075	mg/L	0.000287	-0.00075	mg/L	0.000287	38.28%
Be 234.861†	5.6	0.00013	mg/L	0.000080	0.00013	mg/L	0.000080	59.22%
Be 313.042†	-70.0	-0.00018	mg/L	0.000058	-0.00018	mg/L	0.000058	31.19%
Be 313.107†	-25.4	-0.00017	mg/L	0.000128	-0.00017	mg/L	0.000128	76.40%
Ca 315.887†	66.6	0.01512	mg/L	0.003052	0.01512	mg/L	0.003052	20.18%
Ca 317.933†	310.2	0.02868	mg/L	0.004084	0.02868	mg/L	0.004084	14.24%
Cd 214.440†	-1.4	0.00004	mg/L	0.000057	0.00004	mg/L	0.000057	142.11%

Cd 226.502†	3.3	0.00007	mg/L	0.000035	0.00007	mg/L	0.000035	46.33%
Cd 228.802†	3.8	0.00170	mg/L	0.000681	0.00170	mg/L	0.000681	39.95%
Ce 413.380†	-50.1	-0.01907	mg/L	0.011327	-0.01907	mg/L	0.011327	59.38%
Ce 413.764†	1.4	0.00061	mg/L	0.011555	0.00061	mg/L	0.011555	>999.9%
Ce 418.660†	-46.3	-0.01224	mg/L	0.010809	-0.01224	mg/L	0.010809	88.29%
Co 228.616†	9.6	0.00035	mg/L	0.000059	0.00035	mg/L	0.000059	16.95%
Co 230.786†	-57.0	-0.00258	mg/L	0.000522	-0.00258	mg/L	0.000522	20.20%
Co 238.892†	-1.7	-0.00062	mg/L	0.001253	-0.00062	mg/L	0.001253	201.18%
Cr 205.560†	-0.3	-0.00063	mg/L	0.003772	-0.00063	mg/L	0.003772	599.67%
Cr 267.716†	-5.2	-0.00008	mg/L	0.000264	-0.00008	mg/L	0.000264	316.93%
Cr 283.563†	-557.3	-0.00389	mg/L	0.000341	-0.00389	mg/L	0.000341	8.76%
Cu 224.700†	-4.3	-0.00605	mg/L	0.002176	-0.00605	mg/L	0.002176	36.00%
Cu 324.752†	248.6	0.00121	mg/L	0.000619	0.00121	mg/L	0.000619	51.27%
Cu 327.393†	5.2	0.00009	mg/L	0.000396	0.00009	mg/L	0.000396	460.69%
Fe 238.204†	75.3	0.01145	mg/L	0.000668	0.01145	mg/L	0.000668	5.84%
Fe 239.562†	60.2	0.01265	mg/L	0.000650	0.01265	mg/L	0.000650	5.14%
Fe 259.939†	74.8	0.01192	mg/L	0.000377	0.01192	mg/L	0.000377	3.16%
Fe 273.955†	16.0	0.01416	mg/L	0.001963	0.01416	mg/L	0.001963	13.86%
K 766.490†	-389.4	-0.1386	mg/L	0.34220	-0.1386	mg/L	0.34220	246.89%
Li 610.362†	-493.5	-0.06802	mg/L	0.143715	-0.06802	mg/L	0.143715	211.27%
Li 670.784†	251.3	0.00430	mg/L	0.001567	0.00430	mg/L	0.001567	36.45%
Mg 279.077†	7.0	0.00943	mg/L	0.007941	0.00943	mg/L	0.007941	84.21%
Mg 280.271†	1465.8	0.00856	mg/L	0.000313	0.00856	mg/L	0.000313	3.66%
Mg 285.213†	168.5	0.00953	mg/L	0.000780	0.00953	mg/L	0.000780	8.18%
Mn 257.610†	5.8	0.00021	mg/L	0.000097	0.00021	mg/L	0.000097	47.02%
Mn 259.372†	-3.8	-0.00011	mg/L	0.000067	-0.00011	mg/L	0.000067	59.80%
Mn 260.568†	-0.7	-0.00003	mg/L	0.000270	-0.00003	mg/L	0.000270	783.38%
Mo 202.031†	5.5	0.00052	mg/L	0.000182	0.00052	mg/L	0.000182	34.75%
Mo 203.845†	0.2	0.00130	mg/L	0.008965	0.00130	mg/L	0.008965	687.27%
Mo 204.597†	-5.9	-0.00101	mg/L	0.001086	-0.00101	mg/L	0.001086	107.93%
Na 588.995†	-1853.9	-0.2612	mg/L	0.17046	-0.2612	mg/L	0.17046	65.26%
Na 589.592†	-7.8	-0.00134	mg/L	0.007790	-0.00134	mg/L	0.007790	581.58%
Ni 221.648†	2.5	0.00214	mg/L	0.003162	0.00214	mg/L	0.003162	147.90%
Ni 231.604†	8.9	0.00036	mg/L	0.000227	0.00036	mg/L	0.000227	62.74%
Ni 232.003†	7.0	0.00064	mg/L	0.000684	0.00064	mg/L	0.000684	106.01%
P 213.617†	-16.1	-0.00925	mg/L	0.001908	-0.00925	mg/L	0.001908	20.62%
P 214.914†	-5.8	-0.00400	mg/L	0.002900	-0.00400	mg/L	0.002900	72.41%
Pb 217.000†	-4.9	-0.00325	mg/L	0.003048	-0.00325	mg/L	0.003048	93.85%
Pb 220.353†	-6.4	-0.00104	mg/L	0.001570	-0.00104	mg/L	0.001570	151.64%
Sb 206.836†	-1.4	-0.00060	mg/L	0.001979	-0.00060	mg/L	0.001979	332.53%
Sb 217.582†	15.9	0.00659	mg/L	0.001089	0.00659	mg/L	0.001089	16.53%
Se 196.026†	-0.3	-0.00034	mg/L	0.007651	-0.00034	mg/L	0.007651	>999.9%
Se 203.985†	7.7	0.01363	mg/L	0.005545	0.01363	mg/L	0.005545	40.69%
Si 251.611†	246.3	0.01696	mg/L	0.001032	0.01696	mg/L	0.001032	6.08%
Si 288.158†	107.0	0.02194	mg/L	0.003316	0.02194	mg/L	0.003316	15.12%
Si 252.851†	7.5	0.02380	mg/L	0.015544	0.02380	mg/L	0.015544	65.31%
Sn 235.485†	15.7	0.00174	mg/L	0.004528	0.00174	mg/L	0.004528	259.83%
Sn 189.927†	5.1	0.00167	mg/L	0.000843	0.00167	mg/L	0.000843	50.61%
Sr 460.733†	-98.8	-0.6929	mg/L	0.93569	-0.6929	mg/L	0.93569	135.04%
Sr 407.771†	-118.6	-0.00012	mg/L	0.000018	-0.00012	mg/L	0.000018	15.27%
Sr 421.552†	-82.3	-0.00025	mg/L	0.000333	-0.00025	mg/L	0.000333	132.56%
Ti 337.279†	0.2	0.00001	mg/L	0.000114	0.00001	mg/L	0.000114	>999.9%
Ti 334.940†	0.8	0.00003	mg/L	0.000315	0.00003	mg/L	0.000315	>999.9%
Ti 336.121†	30.2	0.00142	mg/L	0.001152	0.00142	mg/L	0.001152	80.88%
Tl 351.924†	-116.0	-0.03249	mg/L	0.008572	-0.03249	mg/L	0.008572	26.38%
Tl 190.801†	-3.0	-0.00264	mg/L	0.004404	-0.00264	mg/L	0.004404	166.75%
Tl 276.787†	-6.2	-0.00300	mg/L	0.007168	-0.00300	mg/L	0.007168	239.11%
V 310.230†	21.1	0.00114	mg/L	0.001671	0.00114	mg/L	0.001671	146.91%
V 292.402†	4.1	0.00005	mg/L	0.000161	0.00005	mg/L	0.000161	319.57%
V 311.071†	-30.5	-0.00025	mg/L	0.000263	-0.00025	mg/L	0.000263	106.36%
Zn 206.200†	0.3	0.00036	mg/L	0.001296	0.00036	mg/L	0.001296	357.82%
Zn 213.857†	-0.0	0.00003	mg/L	0.001121	0.00003	mg/L	0.001121	>999.9%
Zn 202.548†	-1.3	-0.00057	mg/L	0.000742	-0.00057	mg/L	0.000742	129.52%

Sequence No.: 44
Sample ID: B506034-BLK1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 31
Date Collected: 6/15/2005 12:17:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: B506034-BLK1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	530901.1						10834.97	2.04%
Y 360.073	3101307.2						29243.08	0.94%
Ag 328.068†	73.7	0.00051	mg/L	0.000499	0.00051	mg/L	0.000499	98.36%
Ag 338.289†	-89.2	-0.00211	mg/L	0.001600	-0.00211	mg/L	0.001600	75.77%
Al 308.215†	-19.9	-0.02227	mg/L	0.009946	-0.02227	mg/L	0.009946	44.66%
Al 394.401†	-11.6	-0.00634	mg/L	0.005542	-0.00634	mg/L	0.005542	87.35%
Al 396.153†	-48.2	-0.00975	mg/L	0.018756	-0.00975	mg/L	0.018756	192.30%
As 188.979†	-0.8	-0.00064	mg/L	0.004613	-0.00064	mg/L	0.004613	722.58%
As 193.696†	0.6	0.00063	mg/L	0.001455	0.00063	mg/L	0.001455	231.98%
As 197.197†	0.8	0.04443	mg/L	0.037805	0.04443	mg/L	0.037805	85.08%
B 208.889†	1.5	0.00890	mg/L	0.008780	0.00890	mg/L	0.008780	98.70%
B 249.677†	6.3	0.00325	mg/L	0.002527	0.00325	mg/L	0.002527	77.84%
B 249.772†	15.5	0.00371	mg/L	0.000750	0.00371	mg/L	0.000750	20.21%
Ba 233.527†	-8.8	-0.00174	mg/L	0.000377	-0.00174	mg/L	0.000377	21.69%
Ba 455.403†	53.0	0.00030	mg/L	0.000880	0.00030	mg/L	0.000880	296.67%
Ba 493.408†	-39.0	-0.00009	mg/L	0.000327	-0.00009	mg/L	0.000327	369.92%
Be 234.861†	-0.8	-0.00002	mg/L	0.000012	-0.00002	mg/L	0.000012	61.50%
Be 313.042†	-69.4	-0.00018	mg/L	0.000029	-0.00018	mg/L	0.000029	16.04%
Be 313.107†	-44.2	-0.00029	mg/L	0.000116	-0.00029	mg/L	0.000116	39.93%
Ca 315.887†	91.3	0.02073	mg/L	0.000686	0.02073	mg/L	0.000686	3.31%
Ca 317.933†	364.9	0.03377	mg/L	0.003292	0.03377	mg/L	0.003292	9.75%
Cd 214.440†	-2.3	0.00004	mg/L	0.000092	0.00004	mg/L	0.000092	205.95%
Cd 226.502†	12.6	0.00029	mg/L	0.000112	0.00029	mg/L	0.000112	38.54%
Cd 228.802†	0.4	0.00018	mg/L	0.000850	0.00018	mg/L	0.000850	475.44%
Ce 413.380†	10.2	0.00401	mg/L	0.010233	0.00401	mg/L	0.010233	255.45%
Ce 413.764†	-11.7	-0.00375	mg/L	0.021428	-0.00375	mg/L	0.021428	571.23%
Ce 418.660†	-33.0	-0.00874	mg/L	0.018110	-0.00874	mg/L	0.018110	207.26%
Co 228.616†	6.1	0.00023	mg/L	0.000031	0.00023	mg/L	0.000031	13.95%
Co 230.786†	-41.8	-0.00188	mg/L	0.000191	-0.00188	mg/L	0.000191	10.12%
Co 238.892†	-0.0	0.00000	mg/L	0.002137	0.00000	mg/L	0.002137	>999.9%
Cr 205.560†	-1.0	-0.00188	mg/L	0.003901	-0.00188	mg/L	0.003901	207.00%
Cr 267.716†	4.8	0.00012	mg/L	0.000252	0.00012	mg/L	0.000252	218.30%
Cr 283.563†	-580.7	-0.00405	mg/L	0.000183	-0.00405	mg/L	0.000183	4.52%
Cu 224.700†	-0.9	-0.00073	mg/L	0.007201	-0.00073	mg/L	0.007201	985.93%
Cu 324.752†	480.8	0.00231	mg/L	0.000114	0.00231	mg/L	0.000114	4.95%
Cu 327.393†	-67.9	-0.00076	mg/L	0.001072	-0.00076	mg/L	0.001072	141.39%
Fe 238.204†	-0.2	0.00013	mg/L	0.000324	0.00013	mg/L	0.000324	251.40%
Fe 239.562†	-1.1	-0.00006	mg/L	0.000587	-0.00006	mg/L	0.000587	992.22%
Fe 259.939†	7.5	0.00135	mg/L	0.000604	0.00135	mg/L	0.000604	44.75%
Fe 273.955†	0.7	0.00082	mg/L	0.002542	0.00082	mg/L	0.002542	311.71%
K 766.490†	-1553.3	-0.5529	mg/L	0.34404	-0.5529	mg/L	0.34404	62.23%
Li 610.362†	-1726.2	-0.2379	mg/L	0.14534	-0.2379	mg/L	0.14534	61.08%
Li 670.784†	-6.5	-0.00011	mg/L	0.002864	-0.00011	mg/L	0.002864	>999.9%
Mg 279.077†	13.7	0.01849	mg/L	0.015358	0.01849	mg/L	0.015358	83.08%
Mg 280.271†	438.2	0.00261	mg/L	0.000109	0.00261	mg/L	0.000109	4.18%
Mg 285.213†	75.5	0.00432	mg/L	0.000353	0.00432	mg/L	0.000353	8.16%
Mn 257.610†	2.5	0.00010	mg/L	0.000122	0.00010	mg/L	0.000122	128.35%
Mn 259.372†	0.1	-0.00001	mg/L	0.000034	-0.00001	mg/L	0.000034	231.97%
Mn 260.568†	0.6	0.00004	mg/L	0.000351	0.00004	mg/L	0.000351	897.94%
Mo 202.031†	3.0	0.00030	mg/L	0.000611	0.00030	mg/L	0.000611	203.45%
Mo 203.845†	1.0	0.00587	mg/L	0.004879	0.00587	mg/L	0.004879	83.06%
Mo 204.597†	-0.9	-0.00017	mg/L	0.000361	-0.00017	mg/L	0.000361	211.80%
Na 588.995†	-3300.2	-0.4658	mg/L	0.16419	-0.4658	mg/L	0.16419	35.25%
Na 589.592†	-64.2	-0.01464	mg/L	0.008987	-0.01464	mg/L	0.008987	61.38%
Ni 221.648†	2.2	0.00192	mg/L	0.001818	0.00192	mg/L	0.001818	94.52%
Ni 231.604†	17.4	0.00069	mg/L	0.000436	0.00069	mg/L	0.000436	62.88%
Ni 232.003†	0.2	0.00007	mg/L	0.000226	0.00007	mg/L	0.000226	332.66%
P 213.617†	-15.1	-0.00899	mg/L	0.003880	-0.00899	mg/L	0.003880	43.14%
P 214.914†	-6.5	-0.00453	mg/L	0.005630	-0.00453	mg/L	0.005630	124.32%
Pb 217.000†	-4.6	-0.00305	mg/L	0.002683	-0.00305	mg/L	0.002683	87.89%
Pb 220.353†	-6.3	-0.00102	mg/L	0.001318	-0.00102	mg/L	0.001318	129.23%
Sb 206.836†	-2.0	-0.00083	mg/L	0.001425	-0.00083	mg/L	0.001425	171.17%
Sb 217.582†	17.3	0.00720	mg/L	0.000569	0.00720	mg/L	0.000569	7.90%
Se 196.026†	2.7	0.00257	mg/L	0.002459	0.00257	mg/L	0.002459	95.78%
Se 203.985†	1.9	0.00381	mg/L	0.010321	0.00381	mg/L	0.010321	270.60%
Si 251.611†	183.4	0.01278	mg/L	0.000568	0.01278	mg/L	0.000568	4.44%
Si 288.158†	83.7	0.01740	mg/L	0.002794	0.01740	mg/L	0.002794	16.06%
Si 252.851†	1.2	0.00553	mg/L	0.006309	0.00553	mg/L	0.006309	114.03%
Sn 235.485†	16.1	0.00542	mg/L	0.003885	0.00542	mg/L	0.003885	71.71%

Sn 189.927†	1.6	0.00051	mg/L	0.000640	0.00051	mg/L	0.000640	126.08%
Sr 460.733†	-124.4	-0.8729	mg/L	0.56275	-0.8729	mg/L	0.56275	64.47%
Sr 407.771†	-61.8	-0.00006	mg/L	0.000082	-0.00006	mg/L	0.000082	134.34%
Sr 421.552†	-64.8	-0.00020	mg/L	0.000075	-0.00020	mg/L	0.000075	37.98%
Ti 337.279†	2.4	0.00009	mg/L	0.000737	0.00009	mg/L	0.000737	781.24%
Ti 334.940†	6.9	0.00020	mg/L	0.000172	0.00020	mg/L	0.000172	85.80%
Ti 336.121†	37.8	0.00178	mg/L	0.000232	0.00178	mg/L	0.000232	13.02%
Tl 351.924†	-58.6	-0.01790	mg/L	0.014494	-0.01790	mg/L	0.014494	80.98%
Tl 190.801†	-1.3	-0.00109	mg/L	0.002343	-0.00109	mg/L	0.002343	214.02%
Tl 276.787†	3.1	0.00130	mg/L	0.004116	0.00130	mg/L	0.004116	317.10%
V 310.230†	-16.1	-0.00076	mg/L	0.001779	-0.00076	mg/L	0.001779	233.26%
V 292.402†	4.1	0.00006	mg/L	0.000092	0.00006	mg/L	0.000092	145.52%
V 311.071†	-5.2	-0.00005	mg/L	0.000383	-0.00005	mg/L	0.000383	705.81%
Zn 206.200†	2.6	0.00263	mg/L	0.002269	0.00263	mg/L	0.002269	86.41%
Zn 213.857†	5.1	0.00194	mg/L	0.000917	0.00194	mg/L	0.000917	47.23%
Zn 202.548†	2.8	0.00147	mg/L	0.001202	0.00147	mg/L	0.001202	81.81%

Sequence No.: 45
Sample ID: B506034-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 6/15/2005 12:21:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: B506034-BS1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	484537.1						6201.31	1.28%
Y 360.073	3083978.0						35462.54	1.15%
Ag 328.068†	2854.2	0.02423	mg/L	0.000285	0.02423	mg/L	0.000285	1.18%
Ag 338.289†	1043.1	0.02375	mg/L	0.000145	0.02375	mg/L	0.000145	0.61%
Al 308.215†	928.8	1.048	mg/L	0.0234	1.048	mg/L	0.0234	2.23%
Al 394.401†	1777.9	1.110	mg/L	0.0288	1.110	mg/L	0.0288	2.60%
Al 396.153†	5182.6	1.033	mg/L	0.0149	1.033	mg/L	0.0149	1.44%
As 188.979†	171.2	0.1802	mg/L	0.00074	0.1802	mg/L	0.00074	0.41%
As 193.696†	268.6	0.2007	mg/L	0.00104	0.2007	mg/L	0.00104	0.52%
As 197.197†	3.6	0.1935	mg/L	0.16998	0.1935	mg/L	0.16998	87.83%
B 208.889†	160.2	0.9421	mg/L	0.02763	0.9421	mg/L	0.02763	2.93%
B 249.677†	1892.0	0.9395	mg/L	0.02306	0.9395	mg/L	0.02306	2.45%
B 249.772†	4007.4	0.9371	mg/L	0.02367	0.9371	mg/L	0.02367	2.53%
Ba 233.527†	935.6	0.1915	mg/L	0.00326	0.1915	mg/L	0.00326	1.70%
Ba 455.403†	41991.2	0.1958	mg/L	0.00197	0.1958	mg/L	0.00197	1.00%
Ba 493.408†	55582.2	0.1961	mg/L	0.00197	0.1961	mg/L	0.00197	1.00%
Be 234.861†	404.7	0.00981	mg/L	0.000091	0.00981	mg/L	0.000091	0.93%
Be 313.042†	3782.6	0.00977	mg/L	0.000287	0.00977	mg/L	0.000287	2.94%
Be 313.107†	1469.0	0.00958	mg/L	0.000267	0.00958	mg/L	0.000267	2.78%
Ca 315.887†	246109.7	55.85	mg/L	0.803	55.85	mg/L	0.803	1.44%
Ca 317.933†	513323.5	46.66	mg/L	0.247	46.66	mg/L	0.247	0.53%
Cd 214.440†	3735.7	0.04897	mg/L	0.000370	0.04897	mg/L	0.000370	0.76%
Cd 226.502†	2144.5	0.04896	mg/L	0.000431	0.04896	mg/L	0.000431	0.88%
Cd 228.802†	108.1	0.04762	mg/L	0.001480	0.04762	mg/L	0.001480	3.11%
Ce 413.380†	1401.6	0.5340	mg/L	0.01217	0.5340	mg/L	0.01217	2.28%
Ce 413.764†	1556.8	0.5200	mg/L	0.01426	0.5200	mg/L	0.01426	2.74%
Ce 418.660†	1923.6	0.5061	mg/L	0.03141	0.5061	mg/L	0.03141	6.21%
Co 228.616†	2553.6	0.09181	mg/L	0.000926	0.09181	mg/L	0.000926	1.01%
Co 230.786†	2095.2	0.09366	mg/L	0.001581	0.09366	mg/L	0.001581	1.69%
Co 238.892†	309.6	0.1022	mg/L	0.00236	0.1022	mg/L	0.00236	2.31%
Cr 205.560†	48.6	0.09226	mg/L	0.002886	0.09226	mg/L	0.002886	3.13%
Cr 267.716†	5125.2	0.09811	mg/L	0.001212	0.09811	mg/L	0.001212	1.24%
Cr 283.563†	12659.3	0.08785	mg/L	0.002280	0.08785	mg/L	0.002280	2.59%
Cu 224.700†	66.8	0.09947	mg/L	0.008160	0.09947	mg/L	0.008160	8.20%
Cu 324.752†	20422.7	0.09521	mg/L	0.002056	0.09521	mg/L	0.002056	2.16%
Cu 327.393†	7826.8	0.09070	mg/L	0.001507	0.09070	mg/L	0.001507	1.66%
Fe 238.204†	6813.4	1.020	mg/L	0.0160	1.020	mg/L	0.0160	1.57%
Fe 239.562†	4904.3	1.015	mg/L	0.0189	1.015	mg/L	0.0189	1.86%
Fe 259.939†	6546.1	1.027	mg/L	0.0140	1.027	mg/L	0.0140	1.36%
Fe 273.955†	1268.8	1.105	mg/L	0.0195	1.105	mg/L	0.0195	1.77%
K 766.490†	75940.1	27.03	mg/L	0.481	27.03	mg/L	0.481	1.78%
Li 610.362†	2823.2	0.3892	mg/L	0.10002	0.3892	mg/L	0.10002	25.70%
Li 670.784†	6293.6	0.1076	mg/L	0.00314	0.1076	mg/L	0.00314	2.92%
Mg 279.077†	14897.5	20.00	mg/L	0.273	20.00	mg/L	0.273	1.36%

Mg 280.271†	3440501.2	19.95	mg/L	0.101	19.95	mg/L	0.101	0.51%
Mg 285.213†	361837.7	20.33	mg/L	0.068	20.33	mg/L	0.068	0.33%
Mn 257.610†	5555.5	0.1921	mg/L	0.00343	0.1921	mg/L	0.00343	1.78%
Mn 259.372†	7231.0	0.1846	mg/L	0.00458	0.1846	mg/L	0.00458	2.48%
Mn 260.568†	3480.0	0.1986	mg/L	0.00436	0.1986	mg/L	0.00436	2.19%
Mo 202.031†	1110.6	0.1017	mg/L	0.00060	0.1017	mg/L	0.00060	0.59%
Mo 203.845†	18.5	0.1023	mg/L	0.01307	0.1023	mg/L	0.01307	12.78%
Mo 204.597†	600.5	0.1004	mg/L	0.00151	0.1004	mg/L	0.00151	1.50%
Na 588.995†	369851.4	52.44	mg/L	0.153	52.44	mg/L	0.153	0.29%
Na 589.592†	205975.9	48.98	mg/L	0.224	48.98	mg/L	0.224	0.46%
Ni 221.648†	230.1	0.1962	mg/L	0.00488	0.1962	mg/L	0.00488	2.49%
Ni 231.604†	5013.4	0.1936	mg/L	0.00202	0.1936	mg/L	0.00202	1.04%
Ni 232.003†	2268.0	0.1970	mg/L	0.00222	0.1970	mg/L	0.00222	1.13%
P 213.617†	14.6	0.00261	mg/L	0.007969	0.00261	mg/L	0.007969	305.78%
P 214.914†	-17.1	-0.01457	mg/L	0.004330	-0.01457	mg/L	0.004330	29.72%
Pb 217.000†	746.0	0.5018	mg/L	0.00756	0.5018	mg/L	0.00756	1.51%
Pb 220.353†	3032.7	0.4864	mg/L	0.00461	0.4864	mg/L	0.00461	0.95%
Sb 206.836†	1089.5	0.4801	mg/L	0.00561	0.4801	mg/L	0.00561	1.17%
Sb 217.582†	1197.8	0.4961	mg/L	0.00312	0.4961	mg/L	0.00312	0.63%
Se 196.026†	520.2	0.5078	mg/L	0.00568	0.5078	mg/L	0.00568	1.12%
Se 203.985†	334.3	0.5526	mg/L	0.00847	0.5526	mg/L	0.00847	1.53%
Si 251.611†	436.4	0.02082	mg/L	0.001066	0.02082	mg/L	0.001066	5.12%
Si 288.158†	137.2	0.02110	mg/L	0.002783	0.02110	mg/L	0.002783	13.19%
Si 252.851†	165.3	0.05138	mg/L	0.022783	0.05138	mg/L	0.022783	44.34%
Sn 235.485†	1333.4	0.2736	mg/L	0.01762	0.2736	mg/L	0.01762	6.44%
Sn 189.927†	1388.5	0.4634	mg/L	0.00460	0.4634	mg/L	0.00460	0.99%
Sr 460.733†	-166.9	-1.179	mg/L	0.2753	-1.179	mg/L	0.2753	23.35%
Sr 407.771†	1006651.2	0.9965	mg/L	0.00516	0.9965	mg/L	0.00516	0.52%
Sr 421.552†	326854.9	0.9961	mg/L	0.00515	0.9961	mg/L	0.00515	0.52%
Ti 337.279†	2751.7	0.1091	mg/L	0.00229	0.1091	mg/L	0.00229	2.10%
Ti 334.940†	3493.2	0.1005	mg/L	0.00080	0.1005	mg/L	0.00080	0.79%
Ti 336.121†	2297.7	0.1048	mg/L	0.00132	0.1048	mg/L	0.00132	1.26%
Tl 351.924†	2122.1	0.5440	mg/L	0.00901	0.5440	mg/L	0.00901	1.66%
Tl 190.801†	559.1	0.4865	mg/L	0.01101	0.4865	mg/L	0.01101	2.26%
Tl 276.787†	3235.0	1.406	mg/L	0.0196	1.406	mg/L	0.0196	1.39%
V 310.230†	2365.2	0.1214	mg/L	0.00427	0.1214	mg/L	0.00427	3.52%
V 292.402†	7684.1	0.09355	mg/L	0.002175	0.09355	mg/L	0.002175	2.33%
V 311.071†	11956.9	0.09314	mg/L	0.001834	0.09314	mg/L	0.001834	1.97%
Zn 206.200†	972.6	0.9797	mg/L	0.01925	0.9797	mg/L	0.01925	1.97%
Zn 213.857†	2650.4	0.9946	mg/L	0.01664	0.9946	mg/L	0.01664	1.67%
Zn 202.548†	1919.2	0.9873	mg/L	0.01798	0.9873	mg/L	0.01798	1.82%

Sequence No.: 46
Sample ID: 0506008-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 33
Date Collected: 6/15/2005 12:25:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 0506008-01

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	493172.0						12323.58	2.50%
Y 360.073	3104969.5						54221.21	1.75%
Ag 328.068†	-76.6	-0.00086	mg/L	0.000494	-0.00086	mg/L	0.000494	57.74%
Ag 338.289†	-27.8	-0.00083	mg/L	0.001735	-0.00083	mg/L	0.001735	208.83%
Al 308.215†	139.5	0.1540	mg/L	0.01013	0.1540	mg/L	0.01013	6.58%
Al 394.401†	237.4	0.1519	mg/L	0.00065	0.1519	mg/L	0.00065	0.43%
Al 396.153†	714.4	0.1270	mg/L	0.01239	0.1270	mg/L	0.01239	9.76%
As 188.979†	-9.5	-0.00877	mg/L	0.002226	-0.00877	mg/L	0.002226	25.37%
As 193.696†	6.1	0.00266	mg/L	0.002696	0.00266	mg/L	0.002696	101.49%
As 197.197†	-0.2	-0.00376	mg/L	0.108088	-0.00376	mg/L	0.108088	>999.9%
B 208.889†	22.6	0.1289	mg/L	0.00415	0.1289	mg/L	0.00415	3.22%
B 249.677†	184.1	0.09149	mg/L	0.002805	0.09149	mg/L	0.002805	3.07%
B 249.772†	402.2	0.09257	mg/L	0.004442	0.09257	mg/L	0.004442	4.80%
Ba 233.527†	111.2	0.02268	mg/L	0.000339	0.02268	mg/L	0.000339	1.49%
Ba 455.403†	5148.0	0.02398	mg/L	0.000633	0.02398	mg/L	0.000633	2.64%
Ba 493.408†	6771.0	0.02385	mg/L	0.000978	0.02385	mg/L	0.000978	4.10%
Be 234.861†	7.4	0.00005	mg/L	0.000022	0.00005	mg/L	0.000022	40.01%
Be 313.042†	-65.5	-0.00017	mg/L	0.000032	-0.00017	mg/L	0.000032	19.41%
Be 313.107†	-47.7	-0.00026	mg/L	0.000085	-0.00026	mg/L	0.000085	32.17%

Ca 315.887†	202910.8	46.05 mg/L	1.726	46.05 mg/L	1.726	3.75%
Ca 317.933†	427582.2	38.87 mg/L	0.092	38.87 mg/L	0.092	0.24%
Cd 214.440†	52.1	0.00057 mg/L	0.000061	0.00057 mg/L	0.000061	10.69%
Cd 226.502†	23.7	0.00047 mg/L	0.000120	0.00047 mg/L	0.000120	25.54%
Cd 228.802†	1.4	0.00072 mg/L	0.001335	0.00072 mg/L	0.001335	186.56%
Ce 413.380†	11.2	0.00311 mg/L	0.010927	0.00311 mg/L	0.010927	351.19%
Ce 413.764†	-37.7	-0.01396 mg/L	0.029931	-0.01396 mg/L	0.029931	214.46%
Ce 418.660†	-140.4	-0.03689 mg/L	0.012656	-0.03689 mg/L	0.012656	34.31%
Co 228.616†	12.7	0.00037 mg/L	0.000289	0.00037 mg/L	0.000289	78.94%
Co 230.786†	44.4	0.00069 mg/L	0.001152	0.00069 mg/L	0.001152	166.53%
Co 238.892†	7.4	-0.00137 mg/L	0.000540	-0.00137 mg/L	0.000540	39.52%
Cr 205.560†	-0.1	0.00118 mg/L	0.002345	0.00118 mg/L	0.002345	199.49%
Cr 267.716†	492.0	0.00736 mg/L	0.000627	0.00736 mg/L	0.000627	8.51%
Cr 283.563†	-123.7	-0.00125 mg/L	0.000384	-0.00125 mg/L	0.000384	30.71%
Cu 224.700†	1.7	0.00293 mg/L	0.000839	0.00293 mg/L	0.000839	28.66%
Cu 324.752†	1328.8	0.00588 mg/L	0.000507	0.00588 mg/L	0.000507	8.63%
Cu 327.393†	260.8	0.00273 mg/L	0.000329	0.00273 mg/L	0.000329	12.04%
Fe 238.204†	8289.0	1.243 mg/L	0.0608	1.243 mg/L	0.0608	4.89%
Fe 239.562†	5961.8	1.236 mg/L	0.0535	1.236 mg/L	0.0535	4.33%
Fe 259.939†	7920.1	1.245 mg/L	0.0496	1.245 mg/L	0.0496	3.98%
Fe 273.955†	1555.8	1.358 mg/L	0.0384	1.358 mg/L	0.0384	2.83%
K 766.490†	11108.3	3.954 mg/L	0.5071	3.954 mg/L	0.5071	12.83%
Li 610.362†	1377.0	0.1898 mg/L	0.14963	0.1898 mg/L	0.14963	78.83%
Li 670.784†	491.6	0.00841 mg/L	0.002819	0.00841 mg/L	0.002819	33.52%
Mg 279.077†	12428.6	16.69 mg/L	0.635	16.69 mg/L	0.635	3.81%
Mg 280.271†	2901148.3	16.83 mg/L	0.036	16.83 mg/L	0.036	0.21%
Mg 285.213†	304520.9	17.11 mg/L	0.053	17.11 mg/L	0.053	0.31%
Mn 257.610†	1300.6	0.04465 mg/L	0.001273	0.04465 mg/L	0.001273	2.85%
Mn 259.372†	1752.2	0.04325 mg/L	0.001391	0.04325 mg/L	0.001391	3.22%
Mn 260.568†	778.0	0.04407 mg/L	0.001148	0.04407 mg/L	0.001148	2.60%
Mo 202.031†	100.6	0.00923 mg/L	0.000426	0.00923 mg/L	0.000426	4.61%
Mo 203.845†	1.1	0.00295 mg/L	0.013608	0.00295 mg/L	0.013608	461.82%
Mo 204.597†	51.0	0.00832 mg/L	0.000365	0.00832 mg/L	0.000365	4.39%
Na 588.995†	199734.4	28.32 mg/L	0.325	28.32 mg/L	0.325	1.15%
Na 589.592†	113000.4	26.87 mg/L	0.999	26.87 mg/L	0.999	3.72%
Ni 221.648†	-1.3	-0.00228 mg/L	0.002666	-0.00228 mg/L	0.002666	117.07%
Ni 231.604†	73.9	0.00232 mg/L	0.000285	0.00232 mg/L	0.000285	12.25%
Ni 232.003†	-20.8	-0.00141 mg/L	0.000777	-0.00141 mg/L	0.000777	55.19%
P 213.617†	124.5	0.07367 mg/L	0.003024	0.07367 mg/L	0.003024	4.11%
P 214.914†	92.4	0.06236 mg/L	0.003340	0.06236 mg/L	0.003340	5.36%
Pb 217.000†	5.7	0.00347 mg/L	0.001338	0.00347 mg/L	0.001338	38.54%
Pb 220.353†	61.4	0.00966 mg/L	0.001502	0.00966 mg/L	0.001502	15.55%
Sb 206.836†	4.0	0.00155 mg/L	0.002382	0.00155 mg/L	0.002382	154.15%
Sb 217.582†	18.0	0.00951 mg/L	0.000403	0.00951 mg/L	0.000403	4.24%
Se 196.026†	1.1	0.00056 mg/L	0.006674	0.00056 mg/L	0.006674	>999.9%
Se 203.985†	25.2	0.04647 mg/L	0.004915	0.04647 mg/L	0.004915	10.58%
Si 251.611†	49441.8	3.309 mg/L	0.0566	3.309 mg/L	0.0566	1.71%
Si 288.158†	16725.5	3.337 mg/L	0.0546	3.337 mg/L	0.0546	1.64%
Si 252.851†	1145.3	3.519 mg/L	0.1324	3.519 mg/L	0.1324	3.76%
Sn 235.485†	280.1	-0.2603 mg/L	0.01631	-0.2603 mg/L	0.01631	6.27%
Sn 189.927†	-45.8	-0.01333 mg/L	0.000491	-0.01333 mg/L	0.000491	3.69%
Sr 460.733†	-42.0	-0.2986 mg/L	0.10437	-0.2986 mg/L	0.10437	34.95%
Sr 407.771†	137508.9	0.1356 mg/L	0.00523	0.1356 mg/L	0.00523	3.86%
Sr 421.552†	44921.3	0.1364 mg/L	0.00552	0.1364 mg/L	0.00552	4.05%
Ti 337.279†	90.7	0.00140 mg/L	0.000565	0.00140 mg/L	0.000565	40.47%
Ti 334.940†	11.3	0.00028 mg/L	0.000182	0.00028 mg/L	0.000182	65.05%
Ti 336.121†	58.7	0.00062 mg/L	0.001270	0.00062 mg/L	0.001270	205.79%
Tl 351.924†	-51.4	-0.01833 mg/L	0.014733	-0.01833 mg/L	0.014733	80.38%
Tl 190.801†	-0.1	-0.00167 mg/L	0.002308	-0.00167 mg/L	0.002308	138.38%
Tl 276.787†	2040.6	0.8628 mg/L	0.02092	0.8628 mg/L	0.02092	2.42%
V 310.230†	112.8	0.00599 mg/L	0.002937	0.00599 mg/L	0.002937	49.07%
V 292.402†	91.2	0.00111 mg/L	0.000392	0.00111 mg/L	0.000392	35.34%
V 311.071†	-249.3	-0.00154 mg/L	0.000384	-0.00154 mg/L	0.000384	24.93%
Zn 206.200†	37.7	0.03603 mg/L	0.002249	0.03603 mg/L	0.002249	6.24%
Zn 213.857†	102.3	0.03611 mg/L	0.001427	0.03611 mg/L	0.001427	3.95%
Zn 202.548†	68.8	0.03385 mg/L	0.000922	0.03385 mg/L	0.000922	2.72%

Sequence No.: 47 **Autosampler Location: 34**
Sample ID: B506034-DUP1 **Date Collected: 6/15/2005 12:29:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**

Dilution: Sample Prep Vol:

Mean Data: B506034-DUP1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	495607.8						3594.16	0.73%
Y 360.073	3107776.5						12597.29	0.41%
Ag 328.068†	16.6	-0.00011	mg/L	0.000887	-0.00011	mg/L	0.000887	816.56%
Ag 338.289†	-80.3	-0.00202	mg/L	0.000297	-0.00202	mg/L	0.000297	14.74%
Al 308.215†	134.2	0.1477	mg/L	0.01661	0.1477	mg/L	0.01661	11.24%
Al 394.401†	254.7	0.1622	mg/L	0.00666	0.1622	mg/L	0.00666	4.11%
Al 396.153†	879.2	0.1596	mg/L	0.01239	0.1596	mg/L	0.01239	7.77%
As 188.979†	-11.9	-0.01122	mg/L	0.002745	-0.01122	mg/L	0.002745	24.46%
As 193.696†	8.1	0.00416	mg/L	0.003191	0.00416	mg/L	0.003191	76.73%
As 197.197†	-0.7	-0.02746	mg/L	0.058318	-0.02746	mg/L	0.058318	212.38%
B 208.889†	20.2	0.1146	mg/L	0.01903	0.1146	mg/L	0.01903	16.61%
B 249.677†	166.4	0.08270	mg/L	0.004953	0.08270	mg/L	0.004953	5.99%
B 249.772†	372.2	0.08550	mg/L	0.000835	0.08550	mg/L	0.000835	0.98%
Ba 233.527†	106.7	0.02178	mg/L	0.001022	0.02178	mg/L	0.001022	4.69%
Ba 455.403†	5209.7	0.02427	mg/L	0.000319	0.02427	mg/L	0.000319	1.31%
Ba 493.408†	6786.6	0.02391	mg/L	0.000583	0.02391	mg/L	0.000583	2.44%
Be 234.861†	11.4	0.00015	mg/L	0.000120	0.00015	mg/L	0.000120	80.89%
Be 313.042†	-105.4	-0.00027	mg/L	0.000023	-0.00027	mg/L	0.000023	8.41%
Be 313.107†	-91.7	-0.00055	mg/L	0.000085	-0.00055	mg/L	0.000085	15.57%
Ca 315.887†	207800.3	47.16	mg/L	1.065	47.16	mg/L	1.065	2.26%
Ca 317.933†	428261.9	38.93	mg/L	0.068	38.93	mg/L	0.068	0.17%
Cd 214.440†	52.5	0.00058	mg/L	0.000110	0.00058	mg/L	0.000110	19.06%
Cd 226.502†	16.9	0.00031	mg/L	0.000126	0.00031	mg/L	0.000126	40.60%
Cd 228.802†	3.0	0.00144	mg/L	0.001715	0.00144	mg/L	0.001715	119.04%
Ce 413.380†	-16.2	-0.00738	mg/L	0.010915	-0.00738	mg/L	0.010915	147.82%
Ce 413.764†	-62.8	-0.02238	mg/L	0.042255	-0.02238	mg/L	0.042255	188.78%
Ce 418.660†	-107.7	-0.02825	mg/L	0.007930	-0.02825	mg/L	0.007930	28.07%
Co 228.616†	11.0	0.00030	mg/L	0.000204	0.00030	mg/L	0.000204	67.22%
Co 230.786†	29.0	-0.00005	mg/L	0.000380	-0.00005	mg/L	0.000380	702.86%
Co 238.892†	8.6	-0.00109	mg/L	0.001603	-0.00109	mg/L	0.001603	146.48%
Cr 205.560†	0.9	0.00303	mg/L	0.004570	0.00303	mg/L	0.004570	150.68%
Cr 267.716†	476.3	0.00700	mg/L	0.000369	0.00700	mg/L	0.000369	5.27%
Cr 283.563†	-159.9	-0.00153	mg/L	0.000391	-0.00153	mg/L	0.000391	25.48%
Cu 224.700†	-1.9	-0.00258	mg/L	0.001710	-0.00258	mg/L	0.001710	66.39%
Cu 324.752†	1128.3	0.00493	mg/L	0.000046	0.00493	mg/L	0.000046	0.93%
Cu 327.393†	231.7	0.00239	mg/L	0.000848	0.00239	mg/L	0.000848	35.51%
Fe 238.204†	8902.5	1.335	mg/L	0.0281	1.335	mg/L	0.0281	2.10%
Fe 239.562†	6392.7	1.326	mg/L	0.0237	1.326	mg/L	0.0237	1.79%
Fe 259.939†	8496.7	1.336	mg/L	0.0236	1.336	mg/L	0.0236	1.76%
Fe 273.955†	1621.1	1.415	mg/L	0.0235	1.415	mg/L	0.0235	1.66%
K 766.490†	11030.2	3.926	mg/L	0.1911	3.926	mg/L	0.1911	4.87%
Li 610.362†	981.4	0.1353	mg/L	0.07997	0.1353	mg/L	0.07997	59.12%
Li 670.784†	595.3	0.01018	mg/L	0.003198	0.01018	mg/L	0.003198	31.41%
Mg 279.077†	12699.8	17.05	mg/L	0.378	17.05	mg/L	0.378	2.22%
Mg 280.271†	2903164.9	16.84	mg/L	0.029	16.84	mg/L	0.029	0.18%
Mg 285.213†	304744.1	17.12	mg/L	0.028	17.12	mg/L	0.028	0.17%
Mn 257.610†	1302.1	0.04468	mg/L	0.000680	0.04468	mg/L	0.000680	1.52%
Mn 259.372†	1765.1	0.04342	mg/L	0.000444	0.04342	mg/L	0.000444	1.02%
Mn 260.568†	777.2	0.04401	mg/L	0.000566	0.04401	mg/L	0.000566	1.29%
Mo 202.031†	102.3	0.00938	mg/L	0.000281	0.00938	mg/L	0.000281	2.99%
Mo 203.845†	4.2	0.02066	mg/L	0.009939	0.02066	mg/L	0.009939	48.12%
Mo 204.597†	52.9	0.00863	mg/L	0.000085	0.00863	mg/L	0.000085	0.98%
Na 588.995†	199251.0	28.25	mg/L	0.042	28.25	mg/L	0.042	0.15%
Na 589.592†	115363.4	27.43	mg/L	0.560	27.43	mg/L	0.560	2.04%
Ni 221.648†	1.2	-0.00012	mg/L	0.003155	-0.00012	mg/L	0.003155	>999.9%
Ni 231.604†	72.2	0.00225	mg/L	0.000373	0.00225	mg/L	0.000373	16.61%
Ni 232.003†	-3.7	-0.00003	mg/L	0.001650	-0.00003	mg/L	0.001650	>999.9%
P 213.617†	119.7	0.07108	mg/L	0.000468	0.07108	mg/L	0.000468	0.66%
P 214.914†	90.4	0.06075	mg/L	0.002678	0.06075	mg/L	0.002678	4.41%
Pb 217.000†	3.9	0.00226	mg/L	0.003238	0.00226	mg/L	0.003238	143.19%
Pb 220.353†	56.1	0.00881	mg/L	0.001562	0.00881	mg/L	0.001562	17.73%
Sb 206.836†	-2.4	-0.00128	mg/L	0.000688	-0.00128	mg/L	0.000688	53.65%
Sb 217.582†	8.2	0.00551	mg/L	0.003254	0.00551	mg/L	0.003254	59.03%
Se 196.026†	2.1	0.00152	mg/L	0.008503	0.00152	mg/L	0.008503	558.82%
Se 203.985†	28.7	0.05234	mg/L	0.002864	0.05234	mg/L	0.002864	5.47%
Si 251.611†	48979.8	3.277	mg/L	0.0398	3.277	mg/L	0.0398	1.22%

Si 288.158†	16475.0	3.287 mg/L	0.0525	3.287 mg/L	0.0525	1.60%
Si 252.851†	1130.0	3.474 mg/L	0.0508	3.474 mg/L	0.0508	1.46%
Sn 235.485†	304.9	-0.2655 mg/L	0.00106	-0.2655 mg/L	0.00106	0.40%
Sn 189.927†	-39.8	-0.01130 mg/L	0.001599	-0.01130 mg/L	0.001599	14.15%
Sr 460.733†	-50.9	-0.3612 mg/L	0.54154	-0.3612 mg/L	0.54154	149.91%
Sr 407.771†	140844.5	0.1389 mg/L	0.00283	0.1389 mg/L	0.00283	2.04%
Sr 421.552†	46076.9	0.1399 mg/L	0.00286	0.1399 mg/L	0.00286	2.04%
Ti 337.279†	82.3	0.00100 mg/L	0.000542	0.00100 mg/L	0.000542	54.15%
Ti 334.940†	10.5	0.00025 mg/L	0.000388	0.00025 mg/L	0.000388	152.82%
Ti 336.121†	74.7	0.00132 mg/L	0.001347	0.00132 mg/L	0.001347	102.17%
Tl 351.924†	-65.4	-0.02243 mg/L	0.000780	-0.02243 mg/L	0.000780	3.48%
Tl 190.801†	1.4	-0.00042 mg/L	0.000896	-0.00042 mg/L	0.000896	212.13%
Tl 276.787†	2019.6	0.8508 mg/L	0.02120	0.8508 mg/L	0.02120	2.49%
V 310.230†	102.0	0.00543 mg/L	0.000515	0.00543 mg/L	0.000515	9.47%
V 292.402†	81.3	0.00103 mg/L	0.000600	0.00103 mg/L	0.000600	58.05%
V 311.071†	-277.0	-0.00176 mg/L	0.000259	-0.00176 mg/L	0.000259	14.76%
Zn 206.200†	36.7	0.03498 mg/L	0.000803	0.03498 mg/L	0.000803	2.29%
Zn 213.857†	99.4	0.03495 mg/L	0.001078	0.03495 mg/L	0.001078	3.08%
Zn 202.548†	67.5	0.03317 mg/L	0.000280	0.03317 mg/L	0.000280	0.85%

Sequence No.: 48
Sample ID: B506034-MS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 6/15/2005 12:33:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: B506034-MS1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	484676.8						7628.63	1.57%
Y 360.073	3068501.2						24845.25	0.81%
Ag 328.068†	2797.1	0.02353	mg/L	0.000480	0.02353	mg/L	0.000480	2.04%
Ag 338.289†	1029.6	0.02343	mg/L	0.000632	0.02343	mg/L	0.000632	2.70%
Al 308.215†	1035.4	1.164	mg/L	0.0175	1.164	mg/L	0.0175	1.50%
Al 394.401†	1797.1	1.119	mg/L	0.0231	1.119	mg/L	0.0231	2.06%
Al 396.153†	5830.0	1.149	mg/L	0.0477	1.149	mg/L	0.0477	4.15%
As 188.979†	167.7	0.1771	mg/L	0.00332	0.1771	mg/L	0.00332	1.87%
As 193.696†	268.4	0.1987	mg/L	0.00518	0.1987	mg/L	0.00518	2.61%
As 197.197†	0.6	0.04216	mg/L	0.074214	0.04216	mg/L	0.074214	176.02%
B 208.889†	177.9	1.042	mg/L	0.0433	1.042	mg/L	0.0433	4.15%
B 249.677†	2016.0	1.001	mg/L	0.0181	1.001	mg/L	0.0181	1.81%
B 249.772†	4300.1	1.004	mg/L	0.0174	1.004	mg/L	0.0174	1.73%
Ba 233.527†	1021.0	0.2088	mg/L	0.00438	0.2088	mg/L	0.00438	2.10%
Ba 455.403†	46150.8	0.2151	mg/L	0.00768	0.2151	mg/L	0.00768	3.57%
Ba 493.408†	59133.8	0.2085	mg/L	0.00170	0.2085	mg/L	0.00170	0.82%
Be 234.861†	410.7	0.00983	mg/L	0.000130	0.00983	mg/L	0.000130	1.32%
Be 313.042†	3651.6	0.00944	mg/L	0.000411	0.00944	mg/L	0.000411	4.35%
Be 313.107†	1407.2	0.00922	mg/L	0.000259	0.00922	mg/L	0.000259	2.81%
Ca 315.887†	411908.6	93.48	mg/L	0.718	93.48	mg/L	0.718	0.77%
Ca 317.933†	913711.9	83.06	mg/L	0.693	83.06	mg/L	0.693	0.83%
Cd 214.440†	3642.3	0.04755	mg/L	0.000103	0.04755	mg/L	0.000103	0.22%
Cd 226.502†	2070.5	0.04719	mg/L	0.000189	0.04719	mg/L	0.000189	0.40%
Cd 228.802†	103.7	0.04571	mg/L	0.002931	0.04571	mg/L	0.002931	6.41%
Ce 413.380†	1401.8	0.5329	mg/L	0.01734	0.5329	mg/L	0.01734	3.25%
Ce 413.764†	1388.3	0.4622	mg/L	0.01427	0.4622	mg/L	0.01427	3.09%
Ce 418.660†	1781.3	0.4688	mg/L	0.01848	0.4688	mg/L	0.01848	3.94%
Co 228.616†	2500.7	0.08982	mg/L	0.000333	0.08982	mg/L	0.000333	0.37%
Co 230.786†	2100.7	0.09269	mg/L	0.000815	0.09269	mg/L	0.000815	0.88%
Co 238.892†	302.4	0.09618	mg/L	0.003168	0.09618	mg/L	0.003168	3.29%
Cr 205.560†	48.4	0.09289	mg/L	0.001097	0.09289	mg/L	0.001097	1.18%
Cr 267.716†	5473.5	0.1027	mg/L	0.00049	0.1027	mg/L	0.00049	0.48%
Cr 283.563†	12951.7	0.08954	mg/L	0.002779	0.08954	mg/L	0.002779	3.10%
Cu 224.700†	68.3	0.1012	mg/L	0.00519	0.1012	mg/L	0.00519	5.13%
Cu 324.752†	21427.9	0.09955	mg/L	0.002595	0.09955	mg/L	0.002595	2.61%
Cu 327.393†	8200.8	0.09476	mg/L	0.003198	0.09476	mg/L	0.003198	3.37%
Fe 238.204†	14649.1	2.195	mg/L	0.0670	2.195	mg/L	0.0670	3.05%
Fe 239.562†	10557.1	2.187	mg/L	0.0698	2.187	mg/L	0.0698	3.19%
Fe 259.939†	14020.8	2.202	mg/L	0.0685	2.202	mg/L	0.0685	3.11%
Fe 273.955†	2749.0	2.398	mg/L	0.0356	2.398	mg/L	0.0356	1.48%
K 766.490†	81679.1	29.07	mg/L	0.520	29.07	mg/L	0.520	1.79%

Li 610.362†	2999.3	0.4134	mg/L	0.10414	0.4134	mg/L	0.10414	25.19%
Li 670.784†	6473.1	0.1107	mg/L	0.00304	0.1107	mg/L	0.00304	2.74%
Mg 279.077†	26808.4	36.00	mg/L	1.214	36.00	mg/L	1.214	3.37%
Mg 280.271†	5933793.4	34.41	mg/L	0.702	34.41	mg/L	0.702	2.04%
Mg 285.213†	650521.8	36.54	mg/L	0.286	36.54	mg/L	0.286	0.78%
Mn 257.610†	6673.7	0.2304	mg/L	0.00660	0.2304	mg/L	0.00660	2.86%
Mn 259.372†	8673.1	0.2199	mg/L	0.00672	0.2199	mg/L	0.00672	3.06%
Mn 260.568†	4196.8	0.2392	mg/L	0.00364	0.2392	mg/L	0.00364	1.52%
Mo 202.031†	1173.5	0.1074	mg/L	0.00062	0.1074	mg/L	0.00062	0.57%
Mo 203.845†	21.1	0.1144	mg/L	0.01277	0.1144	mg/L	0.01277	11.16%
Mo 204.597†	634.7	0.1060	mg/L	0.00082	0.1060	mg/L	0.00082	0.77%
Na 588.995†	548482.7	77.77	mg/L	0.697	77.77	mg/L	0.697	0.90%
Na 589.592†	307239.3	73.05	mg/L	0.490	73.05	mg/L	0.490	0.67%
Ni 221.648†	221.4	0.1877	mg/L	0.00198	0.1877	mg/L	0.00198	1.06%
Ni 231.604†	4908.1	0.1890	mg/L	0.00081	0.1890	mg/L	0.00081	0.43%
Ni 232.003†	2220.5	0.1932	mg/L	0.00135	0.1932	mg/L	0.00135	0.70%
P 213.617†	141.8	0.07797	mg/L	0.006894	0.07797	mg/L	0.006894	8.84%
P 214.914†	89.4	0.05764	mg/L	0.003705	0.05764	mg/L	0.003705	6.43%
Pb 217.000†	731.0	0.4912	mg/L	0.00544	0.4912	mg/L	0.00544	1.11%
Pb 220.353†	2994.4	0.4801	mg/L	0.00340	0.4801	mg/L	0.00340	0.71%
Sb 206.836†	1085.1	0.4780	mg/L	0.00718	0.4780	mg/L	0.00718	1.50%
Sb 217.582†	1192.0	0.4953	mg/L	0.00522	0.4953	mg/L	0.00522	1.05%
Se 196.026†	495.5	0.4833	mg/L	0.00565	0.4833	mg/L	0.00565	1.17%
Se 203.985†	369.6	0.6158	mg/L	0.00112	0.6158	mg/L	0.00112	0.18%
Si 251.611†	47870.8	3.195	mg/L	0.0912	3.195	mg/L	0.0912	2.85%
Si 288.158†	16321.6	3.250	mg/L	0.0950	3.250	mg/L	0.0950	2.92%
Si 252.851†	1280.1	3.487	mg/L	0.0464	3.487	mg/L	0.0464	1.33%
Sn 235.485†	1584.9	0.02120	mg/L	0.008100	0.02120	mg/L	0.008100	38.20%
Sn 189.927†	1362.6	0.4564	mg/L	0.00192	0.4564	mg/L	0.00192	0.42%
Sr 460.733†	-38.2	-0.2793	mg/L	0.79144	-0.2793	mg/L	0.79144	283.36%
Sr 407.771†	1115701.3	1.104	mg/L	0.0078	1.104	mg/L	0.0078	0.71%
Sr 421.552†	362461.8	1.104	mg/L	0.0080	1.104	mg/L	0.0080	0.72%
Ti 337.279†	2784.3	0.1086	mg/L	0.00211	0.1086	mg/L	0.00211	1.94%
Ti 334.940†	3356.8	0.09656	mg/L	0.002102	0.09656	mg/L	0.002102	2.18%
Ti 336.121†	2294.0	0.1028	mg/L	0.00391	0.1028	mg/L	0.00391	3.80%
Tl 351.924†	2104.0	0.5387	mg/L	0.00940	0.5387	mg/L	0.00940	1.74%
Tl 190.801†	545.9	0.4736	mg/L	0.00277	0.4736	mg/L	0.00277	0.59%
Tl 276.787†	4896.2	2.095	mg/L	0.0854	2.095	mg/L	0.0854	4.07%
V 310.230†	2307.7	0.1185	mg/L	0.00309	0.1185	mg/L	0.00309	2.61%
V 292.402†	7760.9	0.09452	mg/L	0.001630	0.09452	mg/L	0.001630	1.72%
V 311.071†	11690.0	0.09142	mg/L	0.002761	0.09142	mg/L	0.002761	3.02%
Zn 206.200†	962.2	0.9674	mg/L	0.01498	0.9674	mg/L	0.01498	1.55%
Zn 213.857†	2641.2	0.9890	mg/L	0.01653	0.9890	mg/L	0.01653	1.67%
Zn 202.548†	1885.3	0.9682	mg/L	0.01514	0.9682	mg/L	0.01514	1.56%

Sequence No.: 49
Sample ID: 0506008-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 36
Date Collected: 6/15/2005 12:38:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 0506008-02

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	494055.9						7492.93	1.52%
Y 360.073	3076654.4						36707.30	1.19%
Ag 328.068†	33.6	0.00009	mg/L	0.000079	0.00009	mg/L	0.000079	85.77%
Ag 338.289†	-115.3	-0.00280	mg/L	0.001873	-0.00280	mg/L	0.001873	66.93%
Al 308.215†	96.4	0.1048	mg/L	0.00790	0.1048	mg/L	0.00790	7.55%
Al 394.401†	166.8	0.1032	mg/L	0.01111	0.1032	mg/L	0.01111	10.76%
Al 396.153†	572.1	0.09682	mg/L	0.022689	0.09682	mg/L	0.022689	23.43%
As 188.979†	-12.3	-0.01168	mg/L	0.001541	-0.01168	mg/L	0.001541	13.19%
As 193.696†	8.5	0.00431	mg/L	0.002222	0.00431	mg/L	0.002222	51.52%
As 197.197†	-0.3	-0.00480	mg/L	0.061580	-0.00480	mg/L	0.061580	>999.9%
B 208.889†	22.2	0.1266	mg/L	0.00684	0.1266	mg/L	0.00684	5.40%
B 249.677†	190.3	0.09452	mg/L	0.002330	0.09452	mg/L	0.002330	2.46%
B 249.772†	423.2	0.09798	mg/L	0.001252	0.09798	mg/L	0.001252	1.28%
Ba 233.527†	104.9	0.02140	mg/L	0.000803	0.02140	mg/L	0.000803	3.75%
Ba 455.403†	4986.9	0.02323	mg/L	0.000511	0.02323	mg/L	0.000511	2.20%
Ba 493.408†	6389.1	0.02251	mg/L	0.000721	0.02251	mg/L	0.000721	3.20%

Be 234.861†	7.6	0.00012 mg/L	0.000089	0.00012 mg/L	0.000089	75.29%
Be 313.042†	-108.7	-0.00028 mg/L	0.000021	-0.00028 mg/L	0.000021	7.45%
Be 313.107†	-107.3	-0.00065 mg/L	0.000035	-0.00065 mg/L	0.000035	5.40%
Ca 315.887†	206416.7	46.85 mg/L	1.355	46.85 mg/L	1.355	2.89%
Ca 317.933†	433336.5	39.39 mg/L	0.375	39.39 mg/L	0.375	0.95%
Cd 214.440†	46.6	0.00051 mg/L	0.000149	0.00051 mg/L	0.000149	29.08%
Cd 226.502†	11.3	0.00022 mg/L	0.000358	0.00022 mg/L	0.000358	163.32%
Cd 228.802†	1.4	0.00069 mg/L	0.001564	0.00069 mg/L	0.001564	226.16%
Ce 413.380†	-38.3	-0.01571 mg/L	0.014579	-0.01571 mg/L	0.014579	92.82%
Ce 413.764†	-77.3	-0.02718 mg/L	0.030138	-0.02718 mg/L	0.030138	110.90%
Ce 418.660†	-55.2	-0.01446 mg/L	0.005812	-0.01446 mg/L	0.005812	40.19%
Co 228.616†	11.7	0.00035 mg/L	0.000330	0.00035 mg/L	0.000330	94.96%
Co 230.786†	50.8	0.00109 mg/L	0.000929	0.00109 mg/L	0.000929	85.12%
Co 238.892†	7.3	-0.00016 mg/L	0.001524	-0.00016 mg/L	0.001524	941.84%
Cr 205.560†	-0.1	0.00123 mg/L	0.004296	0.00123 mg/L	0.004296	350.60%
Cr 267.716†	420.9	0.00595 mg/L	0.000268	0.00595 mg/L	0.000268	4.51%
Cr 283.563†	-429.9	-0.00316 mg/L	0.000436	-0.00316 mg/L	0.000436	13.80%
Cu 224.700†	-0.1	0.00045 mg/L	0.003618	0.00045 mg/L	0.003618	797.16%
Cu 324.752†	1135.3	0.00497 mg/L	0.000639	0.00497 mg/L	0.000639	12.84%
Cu 327.393†	217.7	0.00223 mg/L	0.000416	0.00223 mg/L	0.000416	18.67%
Fe 238.204†	5100.6	0.7637 mg/L	0.01820	0.7637 mg/L	0.01820	2.38%
Fe 239.562†	3897.5	0.8073 mg/L	0.00813	0.8073 mg/L	0.00813	1.01%
Fe 259.939†	4884.9	0.7668 mg/L	0.01809	0.7668 mg/L	0.01809	2.36%
Fe 273.955†	962.1	0.8389 mg/L	0.01118	0.8389 mg/L	0.01118	1.33%
K 766.490†	10919.7	3.887 mg/L	0.2739	3.887 mg/L	0.2739	7.05%
Li 610.362†	1189.6	0.1640 mg/L	0.06837	0.1640 mg/L	0.06837	41.69%
Li 670.784†	495.1	0.00847 mg/L	0.001852	0.00847 mg/L	0.001852	21.87%
Mg 279.077†	12430.9	16.69 mg/L	0.446	16.69 mg/L	0.446	2.67%
Mg 280.271†	2902339.1	16.83 mg/L	0.152	16.83 mg/L	0.152	0.90%
Mg 285.213†	304410.5	17.10 mg/L	0.139	17.10 mg/L	0.139	0.81%
Mn 257.610†	1078.7	0.03695 mg/L	0.000294	0.03695 mg/L	0.000294	0.80%
Mn 259.372†	1449.0	0.03597 mg/L	0.000086	0.03597 mg/L	0.000086	0.24%
Mn 260.568†	645.6	0.03650 mg/L	0.000253	0.03650 mg/L	0.000253	0.69%
Mo 202.031†	104.3	0.00956 mg/L	0.000205	0.00956 mg/L	0.000205	2.14%
Mo 203.845†	3.0	0.01419 mg/L	0.004042	0.01419 mg/L	0.004042	28.48%
Mo 204.597†	53.5	0.00873 mg/L	0.000822	0.00873 mg/L	0.000822	9.41%
Na 588.995†	199824.2	28.34 mg/L	0.199	28.34 mg/L	0.199	0.70%
Na 589.592†	113510.6	26.99 mg/L	0.759	26.99 mg/L	0.759	2.81%
Ni 221.648†	-1.0	-0.00206 mg/L	0.001922	-0.00206 mg/L	0.001922	93.18%
Ni 231.604†	70.8	0.00221 mg/L	0.000458	0.00221 mg/L	0.000458	20.74%
Ni 232.003†	-20.8	-0.00168 mg/L	0.001439	-0.00168 mg/L	0.001439	85.58%
P 213.617†	101.9	0.06008 mg/L	0.002162	0.06008 mg/L	0.002162	3.60%
P 214.914†	79.2	0.05334 mg/L	0.004845	0.05334 mg/L	0.004845	9.08%
Pb 217.000†	-4.3	-0.00305 mg/L	0.005614	-0.00305 mg/L	0.005614	184.11%
Pb 220.353†	46.7	0.00730 mg/L	0.000909	0.00730 mg/L	0.000909	12.45%
Sb 206.836†	2.4	0.00084 mg/L	0.001096	0.00084 mg/L	0.001096	130.06%
Sb 217.582†	9.1	0.00593 mg/L	0.002517	0.00593 mg/L	0.002517	42.43%
Se 196.026†	1.1	0.00044 mg/L	0.005685	0.00044 mg/L	0.005685	>999.9%
Se 203.985†	24.3	0.04500 mg/L	0.009083	0.04500 mg/L	0.009083	20.18%
Si 251.611†	45868.9	3.069 mg/L	0.0687	3.069 mg/L	0.0687	2.24%
Si 288.158†	15702.5	3.133 mg/L	0.0755	3.133 mg/L	0.0755	2.41%
Si 252.851†	1069.3	3.285 mg/L	0.0225	3.285 mg/L	0.0225	0.68%
Sn 235.485†	201.0	-0.1488 mg/L	0.00373	-0.1488 mg/L	0.00373	2.51%
Sn 189.927†	-45.4	-0.01317 mg/L	0.002543	-0.01317 mg/L	0.002543	19.31%
Sr 460.733†	-45.4	-0.3225 mg/L	0.60373	-0.3225 mg/L	0.60373	187.21%
Sr 407.771†	138144.0	0.1362 mg/L	0.00385	0.1362 mg/L	0.00385	2.83%
Sr 421.552†	45179.2	0.1371 mg/L	0.00383	0.1371 mg/L	0.00383	2.79%
Ti 337.279†	51.7	-0.00023 mg/L	0.000018	-0.00023 mg/L	0.000018	8.00%
Ti 334.940†	-55.3	-0.00164 mg/L	0.000172	-0.00164 mg/L	0.000172	10.46%
Ti 336.121†	54.0	0.00036 mg/L	0.000471	0.00036 mg/L	0.000471	129.40%
Tl 351.924†	-79.3	-0.02611 mg/L	0.011224	-0.02611 mg/L	0.011224	42.98%
Tl 190.801†	-0.1	-0.00166 mg/L	0.003638	-0.00166 mg/L	0.003638	219.28%
Tl 276.787†	2061.8	0.8733 mg/L	0.01863	0.8733 mg/L	0.01863	2.13%
V 310.230†	103.9	0.00552 mg/L	0.001367	0.00552 mg/L	0.001367	24.74%
V 292.402†	93.1	0.00119 mg/L	0.000242	0.00119 mg/L	0.000242	20.32%
V 311.071†	-273.9	-0.00171 mg/L	0.000300	-0.00171 mg/L	0.000300	17.50%
Zn 206.200†	28.2	0.02642 mg/L	0.003082	0.02642 mg/L	0.003082	11.67%
Zn 213.857†	78.4	0.02714 mg/L	0.000974	0.02714 mg/L	0.000974	3.59%
Zn 202.548†	51.1	0.02471 mg/L	0.000593	0.02471 mg/L	0.000593	2.40%

Sample ID: 0506008-03
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 6/15/2005 12:42:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 0506008-03

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	489000.4						5878.20	1.20%
Y 360.073	3122137.3						64871.81	2.08%
Ag 328.068†	39.1	0.00008	mg/L	0.000544	0.00008	mg/L	0.000544	693.59%
Ag 338.289†	-40.2	-0.00119	mg/L	0.001578	-0.00119	mg/L	0.001578	132.85%
Al 308.215†	114.0	0.1237	mg/L	0.01348	0.1237	mg/L	0.01348	10.90%
Al 394.401†	209.1	0.1297	mg/L	0.00964	0.1297	mg/L	0.00964	7.43%
Al 396.153†	660.6	0.1097	mg/L	0.01178	0.1097	mg/L	0.01178	10.74%
As 188.979†	-13.6	-0.01267	mg/L	0.003924	-0.01267	mg/L	0.003924	30.98%
As 193.696†	9.2	0.00441	mg/L	0.003812	0.00441	mg/L	0.003812	86.49%
As 197.197†	-0.9	-0.03429	mg/L	0.166636	-0.03429	mg/L	0.166636	485.89%
B 208.889†	30.4	0.1746	mg/L	0.01261	0.1746	mg/L	0.01261	7.22%
B 249.677†	263.7	0.1311	mg/L	0.00077	0.1311	mg/L	0.00077	0.59%
B 249.772†	582.3	0.1346	mg/L	0.00058	0.1346	mg/L	0.00058	0.43%
Ba 233.527†	175.5	0.03584	mg/L	0.000721	0.03584	mg/L	0.000721	2.01%
Ba 455.403†	8064.9	0.03758	mg/L	0.000397	0.03758	mg/L	0.000397	1.06%
Ba 493.408†	10581.2	0.03729	mg/L	0.000225	0.03729	mg/L	0.000225	0.60%
Be 234.861†	5.7	0.00002	mg/L	0.000042	0.00002	mg/L	0.000042	264.44%
Be 313.042†	-95.6	-0.00025	mg/L	0.000057	-0.00025	mg/L	0.000057	22.96%
Be 313.107†	-89.5	-0.00052	mg/L	0.000098	-0.00052	mg/L	0.000098	18.65%
Ca 315.887†	262909.0	59.67	mg/L	0.222	59.67	mg/L	0.222	0.37%
Ca 317.933†	544469.4	49.49	mg/L	0.275	49.49	mg/L	0.275	0.56%
Cd 214.440†	59.8	0.00065	mg/L	0.000049	0.00065	mg/L	0.000049	7.50%
Cd 226.502†	16.1	0.00029	mg/L	0.000124	0.00029	mg/L	0.000124	42.15%
Cd 228.802†	1.5	0.00077	mg/L	0.000826	0.00077	mg/L	0.000826	107.32%
Ce 413.380†	-14.6	-0.00698	mg/L	0.017666	-0.00698	mg/L	0.017666	253.08%
Ce 413.764†	-72.8	-0.02597	mg/L	0.010117	-0.02597	mg/L	0.010117	38.95%
Ce 418.660†	-79.7	-0.02094	mg/L	0.030828	-0.02094	mg/L	0.030828	147.21%
Co 228.616†	10.3	0.00027	mg/L	0.000355	0.00027	mg/L	0.000355	129.54%
Co 230.786†	41.8	0.00034	mg/L	0.001456	0.00034	mg/L	0.001456	425.93%
Co 238.892†	10.9	-0.00045	mg/L	0.000860	-0.00045	mg/L	0.000860	192.76%
Cr 205.560†	-1.1	-0.00037	mg/L	0.003206	-0.00037	mg/L	0.003206	865.56%
Cr 267.716†	484.1	0.00698	mg/L	0.000157	0.00698	mg/L	0.000157	2.25%
Cr 283.563†	-232.2	-0.00205	mg/L	0.000557	-0.00205	mg/L	0.000557	27.20%
Cu 224.700†	0.2	0.00088	mg/L	0.003556	0.00088	mg/L	0.003556	402.00%
Cu 324.752†	1184.9	0.00512	mg/L	0.000682	0.00512	mg/L	0.000682	13.32%
Cu 327.393†	265.8	0.00271	mg/L	0.000971	0.00271	mg/L	0.000971	35.83%
Fe 238.204†	8558.4	1.283	mg/L	0.0082	1.283	mg/L	0.0082	0.64%
Fe 239.562†	6167.2	1.278	mg/L	0.0069	1.278	mg/L	0.0069	0.54%
Fe 259.939†	8222.0	1.292	mg/L	0.0044	1.292	mg/L	0.0044	0.34%
Fe 273.955†	1598.3	1.395	mg/L	0.0235	1.395	mg/L	0.0235	1.68%
K 766.490†	14474.0	5.152	mg/L	0.2988	5.152	mg/L	0.2988	5.80%
Li 610.362†	1731.4	0.2387	mg/L	0.12951	0.2387	mg/L	0.12951	54.27%
Li 670.784†	848.2	0.01451	mg/L	0.001093	0.01451	mg/L	0.001093	7.53%
Mg 279.077†	13278.9	17.83	mg/L	0.038	17.83	mg/L	0.038	0.22%
Mg 280.271†	3092803.1	17.94	mg/L	0.114	17.94	mg/L	0.114	0.64%
Mg 285.213†	325274.2	18.27	mg/L	0.142	18.27	mg/L	0.142	0.78%
Mn 257.610†	2170.1	0.07475	mg/L	0.001169	0.07475	mg/L	0.001169	1.56%
Mn 259.372†	2896.3	0.07269	mg/L	0.001079	0.07269	mg/L	0.001079	1.48%
Mn 260.568†	1296.0	0.07368	mg/L	0.001045	0.07368	mg/L	0.001045	1.42%
Mo 202.031†	104.3	0.00956	mg/L	0.000295	0.00956	mg/L	0.000295	3.08%
Mo 203.845†	3.0	0.01372	mg/L	0.016752	0.01372	mg/L	0.016752	122.06%
Mo 204.597†	51.2	0.00827	mg/L	0.001377	0.00827	mg/L	0.001377	16.65%
Na 588.995†	279193.9	39.59	mg/L	0.277	39.59	mg/L	0.277	0.70%
Na 589.592†	160184.2	38.09	mg/L	0.178	38.09	mg/L	0.178	0.47%
Ni 221.648†	-1.5	-0.00277	mg/L	0.000785	-0.00277	mg/L	0.000785	28.36%
Ni 231.604†	87.8	0.00273	mg/L	0.000324	0.00273	mg/L	0.000324	11.86%
Ni 232.003†	-14.5	-0.00083	mg/L	0.000428	-0.00083	mg/L	0.000428	51.27%
P 213.617†	108.0	0.06391	mg/L	0.001242	0.06391	mg/L	0.001242	1.94%
P 214.914†	80.1	0.05341	mg/L	0.003471	0.05341	mg/L	0.003471	6.50%
Pb 217.000†	1.5	0.00076	mg/L	0.003321	0.00076	mg/L	0.003321	435.72%
Pb 220.353†	51.3	0.00798	mg/L	0.002545	0.00798	mg/L	0.002545	31.90%
Sb 206.836†	2.1	0.00066	mg/L	0.003079	0.00066	mg/L	0.003079	463.99%
Sb 217.582†	9.2	0.00655	mg/L	0.001879	0.00655	mg/L	0.001879	28.67%

Se 196.026†	-1.7	-0.00234	mg/L	0.004112	-0.00234	mg/L	0.004112 175.76%
Se 203.985†	19.4	0.03905	mg/L	0.006588	0.03905	mg/L	0.006588 16.87%
Si 251.611†	72374.8	4.844	mg/L	0.1783	4.844	mg/L	0.1783 3.68%
Si 288.158†	24316.8	4.852	mg/L	0.1618	4.852	mg/L	0.1618 3.33%
Si 252.851†	1673.4	5.145	mg/L	0.0415	5.145	mg/L	0.0415 0.81%
Sn 235.485†	276.7	-0.2722	mg/L	0.00977	-0.2722	mg/L	0.00977 3.59%
Sr 189.927†	-47.4	-0.01332	mg/L	0.001362	-0.01332	mg/L	0.001362 10.23%
Sr 460.733†	-53.8	-0.3823	mg/L	0.46437	-0.3823	mg/L	0.46437 121.46%
Sr 407.771†	164126.2	0.1617	mg/L	0.00101	0.1617	mg/L	0.00101 0.63%
Sr 421.552†	54647.1	0.1658	mg/L	0.00075	0.1658	mg/L	0.00075 0.45%
Ti 337.279†	68.1	-0.00020	mg/L	0.000031	-0.00020	mg/L	0.000031 15.68%
Ti 334.940†	-44.3	-0.00133	mg/L	0.000234	-0.00133	mg/L	0.000234 17.56%
Ti 336.121†	76.7	0.00084	mg/L	0.001723	0.00084	mg/L	0.001723 205.94%
Tl 351.924†	-106.7	-0.03456	mg/L	0.026265	-0.03456	mg/L	0.026265 75.99%
Tl 190.801†	2.7	0.00031	mg/L	0.005825	0.00031	mg/L	0.005825 >999.9%
Tl 276.787†	2226.6	0.9433	mg/L	0.01865	0.9433	mg/L	0.01865 1.98%
V 310.230†	131.7	0.00700	mg/L	0.001367	0.00700	mg/L	0.001367 19.53%
V 292.402†	94.2	0.00118	mg/L	0.000125	0.00118	mg/L	0.000125 10.59%
V 311.071†	-337.1	-0.00212	mg/L	0.000296	-0.00212	mg/L	0.000296 13.94%
Zn 206.200†	29.3	0.02713	mg/L	0.002591	0.02713	mg/L	0.002591 9.55%
Zn 213.857†	87.0	0.02981	mg/L	0.000774	0.02981	mg/L	0.000774 2.60%
Zn 202.548†	55.6	0.02682	mg/L	0.000404	0.02682	mg/L	0.000404 1.51%

Sequence No.: 51
Sample ID: 0506008-04
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 6/15/2005 12:46:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 0506008-04

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	495449.2						4204.05	0.85%
Y 360.073	3062870.3						42245.64	1.38%
Ag 328.068†	-7.4	-0.00024	mg/L	0.000353	-0.00024	mg/L	0.000353	149.73%
Ag 338.289†	-73.3	-0.00187	mg/L	0.000701	-0.00187	mg/L	0.000701	37.39%
Al 308.215†	118.3	0.1287	mg/L	0.00953	0.1287	mg/L	0.00953	7.40%
Al 394.401†	233.1	0.1452	mg/L	0.00815	0.1452	mg/L	0.00815	5.61%
Al 396.153†	720.0	0.1229	mg/L	0.01640	0.1229	mg/L	0.01640	13.34%
As 188.979†	-15.7	-0.01491	mg/L	0.003460	-0.01491	mg/L	0.003460	23.20%
As 193.696†	8.5	0.00399	mg/L	0.003847	0.00399	mg/L	0.003847	96.31%
As 197.197†	-1.1	-0.04422	mg/L	0.089167	-0.04422	mg/L	0.089167	201.63%
B 208.889†	29.6	0.1702	mg/L	0.01496	0.1702	mg/L	0.01496	8.79%
B 249.677†	258.1	0.1283	mg/L	0.00471	0.1283	mg/L	0.00471	3.67%
B 249.772†	572.5	0.1322	mg/L	0.00098	0.1322	mg/L	0.00098	0.74%
Ba 233.527†	173.0	0.03530	mg/L	0.000293	0.03530	mg/L	0.000293	0.83%
Ba 455.403†	7831.9	0.03649	mg/L	0.000710	0.03649	mg/L	0.000710	1.95%
Ba 493.408†	10350.4	0.03647	mg/L	0.001246	0.03647	mg/L	0.001246	3.42%
Be 234.861†	12.4	0.00016	mg/L	0.000079	0.00016	mg/L	0.000079	49.93%
Be 313.042†	-113.3	-0.00029	mg/L	0.000022	-0.00029	mg/L	0.000022	7.48%
Be 313.107†	-118.8	-0.00071	mg/L	0.000048	-0.00071	mg/L	0.000048	6.66%
Ca 315.887†	255317.7	57.94	mg/L	0.497	57.94	mg/L	0.497	0.86%
Ca 317.933†	544107.9	49.46	mg/L	0.241	49.46	mg/L	0.241	0.49%
Cd 214.440†	62.5	0.00067	mg/L	0.000039	0.00067	mg/L	0.000039	5.80%
Cd 226.502†	11.9	0.00019	mg/L	0.000224	0.00019	mg/L	0.000224	120.87%
Cd 228.802†	0.7	0.00043	mg/L	0.001076	0.00043	mg/L	0.001076	249.06%
Ce 413.380†	-17.0	-0.00790	mg/L	0.019319	-0.00790	mg/L	0.019319	244.56%
Ce 413.764†	19.3	0.00491	mg/L	0.022137	0.00491	mg/L	0.022137	451.23%
Ce 418.660†	-59.1	-0.01555	mg/L	0.022322	-0.01555	mg/L	0.022322	143.57%
Co 228.616†	6.9	0.00015	mg/L	0.000242	0.00015	mg/L	0.000242	165.65%
Co 230.786†	65.6	0.00142	mg/L	0.001253	0.00142	mg/L	0.001253	88.29%
Co 238.892†	10.7	-0.00092	mg/L	0.001216	-0.00092	mg/L	0.001216	132.65%
Cr 205.560†	-1.3	-0.00080	mg/L	0.004309	-0.00080	mg/L	0.004309	541.11%
Cr 267.716†	532.1	0.00801	mg/L	0.000382	0.00801	mg/L	0.000382	4.77%
Cr 283.563†	-162.5	-0.00166	mg/L	0.000240	-0.00166	mg/L	0.000240	14.46%
Cu 224.700†	-0.7	-0.00073	mg/L	0.001272	-0.00073	mg/L	0.001272	174.21%
Cu 324.752†	1336.5	0.00584	mg/L	0.000442	0.00584	mg/L	0.000442	7.58%
Cu 327.393†	330.9	0.00347	mg/L	0.001262	0.00347	mg/L	0.001262	36.37%
Fe 238.204†	9445.9	1.416	mg/L	0.0139	1.416	mg/L	0.0139	0.98%
Fe 239.562†	6778.8	1.406	mg/L	0.0106	1.406	mg/L	0.0106	0.76%

Fe 259.939†	9049.3	1.422 mg/L	0.0177	1.422 mg/L	0.0177	1.24%
Fe 273.955†	1795.5	1.568 mg/L	0.0061	1.568 mg/L	0.0061	0.39%
K 766.490†	13671.8	4.866 mg/L	0.1898	4.866 mg/L	0.1898	3.90%
Li 610.362†	1284.0	0.1770 mg/L	0.06256	0.1770 mg/L	0.06256	35.35%
Li 670.784†	845.9	0.01447 mg/L	0.002836	0.01447 mg/L	0.002836	19.60%
Mg 279.077†	12864.6	17.27 mg/L	0.160	17.27 mg/L	0.160	0.93%
Mg 280.271†	3082261.3	17.88 mg/L	0.106	17.88 mg/L	0.106	0.59%
Mg 285.213†	324053.0	18.20 mg/L	0.119	18.20 mg/L	0.119	0.65%
Mn 257.610†	2259.7	0.07787 mg/L	0.000849	0.07787 mg/L	0.000849	1.09%
Mn 259.372†	3005.6	0.07536 mg/L	0.000792	0.07536 mg/L	0.000792	1.05%
Mn 260.568†	1343.1	0.07639 mg/L	0.000744	0.07639 mg/L	0.000744	0.97%
Mo 202.031†	105.4	0.00967 mg/L	0.000209	0.00967 mg/L	0.000209	2.16%
Mo 203.845†	1.7	0.00625 mg/L	0.012359	0.00625 mg/L	0.012359	197.61%
Mo 204.597†	54.6	0.00886 mg/L	0.000575	0.00886 mg/L	0.000575	6.49%
Na 588.995†	278349.0	39.47 mg/L	0.188	39.47 mg/L	0.188	0.48%
Na 589.592†	155636.5	37.01 mg/L	0.320	37.01 mg/L	0.320	0.86%
Ni 221.648†	-1.5	-0.00272 mg/L	0.002095	-0.00272 mg/L	0.002095	77.06%
Ni 231.604†	87.9	0.00275 mg/L	0.000397	0.00275 mg/L	0.000397	14.47%
Ni 232.003†	-12.1	-0.00050 mg/L	0.000970	-0.00050 mg/L	0.000970	194.97%
P 213.617†	124.5	0.07393 mg/L	0.004854	0.07393 mg/L	0.004854	6.57%
P 214.914†	93.1	0.06245 mg/L	0.003561	0.06245 mg/L	0.003561	5.70%
Pb 217.000†	0.5	-0.00005 mg/L	0.001371	-0.00005 mg/L	0.001371	>999.9%
Pb 220.353†	61.7	0.00966 mg/L	0.000477	0.00966 mg/L	0.000477	4.94%
Sb 206.836†	1.1	0.00024 mg/L	0.003559	0.00024 mg/L	0.003559	>999.9%
Sb 217.582†	10.2	0.00685 mg/L	0.003364	0.00685 mg/L	0.003364	49.13%
Se 196.026†	-6.3	-0.00684 mg/L	0.002853	-0.00684 mg/L	0.002853	41.74%
Se 203.985†	21.3	0.04233 mg/L	0.008626	0.04233 mg/L	0.008626	20.38%
Si 251.611†	72464.2	4.850 mg/L	0.0724	4.850 mg/L	0.0724	1.49%
Si 288.158†	24717.9	4.933 mg/L	0.0796	4.933 mg/L	0.0796	1.61%
Si 252.851†	1676.2	5.155 mg/L	0.0504	5.155 mg/L	0.0504	0.98%
Sn 235.485†	350.6	-0.2880 mg/L	0.00497	-0.2880 mg/L	0.00497	1.73%
Sn 189.927†	-48.2	-0.01364 mg/L	0.001844	-0.01364 mg/L	0.001844	13.52%
Sr 460.733†	-28.8	-0.2069 mg/L	0.66943	-0.2069 mg/L	0.66943	323.58%
Sr 407.771†	163652.1	0.1613 mg/L	0.00112	0.1613 mg/L	0.00112	0.69%
Sr 421.552†	52894.1	0.1605 mg/L	0.00165	0.1605 mg/L	0.00165	1.03%
Ti 337.279†	95.7	0.00101 mg/L	0.000583	0.00101 mg/L	0.000583	57.65%
Ti 334.940†	-13.8	-0.00045 mg/L	0.000826	-0.00045 mg/L	0.000826	181.96%
Ti 336.121†	102.5	0.00212 mg/L	0.000826	0.00212 mg/L	0.000826	39.02%
Tl 351.924†	-68.2	-0.02380 mg/L	0.007986	-0.02380 mg/L	0.007986	33.55%
Tl 190.801†	1.6	-0.00059 mg/L	0.002406	-0.00059 mg/L	0.002406	410.83%
Tl 276.787†	2129.4	0.9006 mg/L	0.03095	0.9006 mg/L	0.03095	3.44%
V 310.230†	119.5	0.00635 mg/L	0.000728	0.00635 mg/L	0.000728	11.46%
V 292.402†	95.2	0.00116 mg/L	0.000155	0.00116 mg/L	0.000155	13.36%
V 311.071†	-318.9	-0.00200 mg/L	0.000103	-0.00200 mg/L	0.000103	5.17%
Zn 206.200†	35.2	0.03309 mg/L	0.001161	0.03309 mg/L	0.001161	3.51%
Zn 213.857†	93.0	0.03216 mg/L	0.000477	0.03216 mg/L	0.000477	1.48%
Zn 202.548†	63.5	0.03097 mg/L	0.000854	0.03097 mg/L	0.000854	2.76%

Sequence No.: 52
Sample ID: 0505010-02 undig
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 6/15/2005 12:50:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 0505010-02 undig

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	523399.9						10065.16	1.92%
Y 360.073	3152549.6						20174.37	0.64%
Ag 328.068†	109.4	0.00084	mg/L	0.000316	0.00084	mg/L	0.000316	37.40%
Ag 338.289†	-6.1	-0.00018	mg/L	0.001374	-0.00018	mg/L	0.001374	768.08%
Al 308.215†	-18.7	-0.02127	mg/L	0.001535	-0.02127	mg/L	0.001535	7.21%
Al 394.401†	5.8	0.00364	mg/L	0.009110	0.00364	mg/L	0.009110	250.55%
Al 396.153†	-21.6	-0.00450	mg/L	0.014391	-0.00450	mg/L	0.014391	319.79%
As 188.979†	-2.0	-0.00203	mg/L	0.002073	-0.00203	mg/L	0.002073	102.26%
As 193.696†	1.6	0.00128	mg/L	0.003531	0.00128	mg/L	0.003531	275.29%
As 197.197†	0.4	0.02301	mg/L	0.051679	0.02301	mg/L	0.051679	224.64%
B 208.889†	8.1	0.04812	mg/L	0.020234	0.04812	mg/L	0.020234	42.05%
B 249.677†	59.8	0.02977	mg/L	0.000292	0.02977	mg/L	0.000292	0.98%
B 249.772†	131.8	0.03090	mg/L	0.001503	0.03090	mg/L	0.001503	4.87%

Ba 233.527†	-9.4	-0.00190 mg/L	0.001176	-0.00190 mg/L	0.001176	61.95%
Ba 455.403†	-22.9	-0.00009 mg/L	0.000688	-0.00009 mg/L	0.000688	755.77%
Ba 493.408†	-179.2	-0.00062 mg/L	0.000313	-0.00062 mg/L	0.000313	50.82%
Be 234.861†	1.5	0.00004 mg/L	0.000124	0.00004 mg/L	0.000124	338.42%
Be 313.042†	-118.2	-0.00031 mg/L	0.000026	-0.00031 mg/L	0.000026	8.25%
Be 313.107†	-95.6	-0.00062 mg/L	0.000150	-0.00062 mg/L	0.000150	24.15%
Ca 315.887†	140.1	0.03180 mg/L	0.002734	0.03180 mg/L	0.002734	8.60%
Ca 317.933†	552.8	0.05044 mg/L	0.003878	0.05044 mg/L	0.003878	7.69%
Cd 214.440†	-5.7	-0.00005 mg/L	0.000021	-0.00005 mg/L	0.000021	41.82%
Cd 226.502†	14.9	0.00034 mg/L	0.000011	0.00034 mg/L	0.000011	3.38%
Cd 228.802†	-0.7	-0.00031 mg/L	0.000050	-0.00031 mg/L	0.000050	16.09%
Ce 413.380†	-26.9	-0.01025 mg/L	0.023632	-0.01025 mg/L	0.023632	230.58%
Ce 413.764†	-77.6	-0.02597 mg/L	0.012839	-0.02597 mg/L	0.012839	49.43%
Ce 418.660†	13.5	0.00354 mg/L	0.001407	0.00354 mg/L	0.001407	39.80%
Co 228.616†	9.4	0.00034 mg/L	0.000214	0.00034 mg/L	0.000214	62.71%
Co 230.786†	-54.9	-0.00250 mg/L	0.000434	-0.00250 mg/L	0.000434	17.38%
Co 238.892†	0.8	0.00029 mg/L	0.001693	0.00029 mg/L	0.001693	587.81%
Cr 205.560†	-1.3	-0.00247 mg/L	0.001571	-0.00247 mg/L	0.001571	63.61%
Cr 267.716†	6.6	0.00014 mg/L	0.000191	0.00014 mg/L	0.000191	139.09%
Cr 283.563†	-641.0	-0.00449 mg/L	0.000200	-0.00449 mg/L	0.000200	4.45%
Cu 224.700†	-4.8	-0.00709 mg/L	0.007003	-0.00709 mg/L	0.007003	98.80%
Cu 324.752†	363.6	0.00172 mg/L	0.000274	0.00172 mg/L	0.000274	15.90%
Cu 327.393†	-49.2	-0.00056 mg/L	0.000963	-0.00056 mg/L	0.000963	171.03%
Fe 238.204†	-28.8	-0.00428 mg/L	0.000728	-0.00428 mg/L	0.000728	17.00%
Fe 239.562†	-16.3	-0.00332 mg/L	0.000538	-0.00332 mg/L	0.000538	16.19%
Fe 259.939†	-25.0	-0.00388 mg/L	0.001117	-0.00388 mg/L	0.001117	28.79%
Fe 273.955†	-0.1	-0.00003 mg/L	0.001123	-0.00003 mg/L	0.001123	>999.9%
K 766.490†	-483.9	-0.1722 mg/L	0.30241	-0.1722 mg/L	0.30241	175.58%
Li 610.362†	-569.0	-0.07843 mg/L	0.104831	-0.07843 mg/L	0.104831	133.66%
Li 670.784†	197.8	0.00338 mg/L	0.001405	0.00338 mg/L	0.001405	41.54%
Mg 279.077†	6.9	0.00936 mg/L	0.009432	0.00936 mg/L	0.009432	100.74%
Mg 280.271†	552.0	0.00322 mg/L	0.000427	0.00322 mg/L	0.000427	13.25%
Mg 285.213†	75.4	0.00426 mg/L	0.000142	0.00426 mg/L	0.000142	3.33%
Mn 257.610†	-1.0	-0.00003 mg/L	0.000094	-0.00003 mg/L	0.000094	289.79%
Mn 259.372†	2.2	0.00004 mg/L	0.000154	0.00004 mg/L	0.000154	364.48%
Mn 260.568†	-0.8	-0.00005 mg/L	0.000229	-0.00005 mg/L	0.000229	497.08%
Mo 202.031†	-2.2	-0.00019 mg/L	0.000245	-0.00019 mg/L	0.000245	126.46%
Mo 203.845†	0.6	0.00347 mg/L	0.007375	0.00347 mg/L	0.007375	212.64%
Mo 204.597†	-1.4	-0.00024 mg/L	0.001330	-0.00024 mg/L	0.001330	544.71%
Na 588.995†	9432.5	1.338 mg/L	0.1368	1.338 mg/L	0.1368	10.22%
Na 589.592†	6427.3	1.529 mg/L	0.0097	1.529 mg/L	0.0097	0.63%
Ni 221.648†	1.6	0.00142 mg/L	0.001648	0.00142 mg/L	0.001648	115.87%
Ni 231.604†	21.4	0.00084 mg/L	0.000447	0.00084 mg/L	0.000447	53.40%
Ni 232.003†	-4.0	-0.00028 mg/L	0.000722	-0.00028 mg/L	0.000722	260.69%
P 213.617†	-15.5	-0.00886 mg/L	0.002075	-0.00886 mg/L	0.002075	23.42%
P 214.914†	-8.0	-0.00557 mg/L	0.003190	-0.00557 mg/L	0.003190	57.26%
Pb 217.000†	-3.7	-0.00249 mg/L	0.006379	-0.00249 mg/L	0.006379	255.70%
Pb 220.353†	-18.4	-0.00296 mg/L	0.001136	-0.00296 mg/L	0.001136	38.44%
Sb 206.836†	-0.1	-0.00001 mg/L	0.001613	-0.00001 mg/L	0.001613	>999.9%
Sb 217.582†	13.4	0.00557 mg/L	0.002926	0.00557 mg/L	0.002926	52.53%
Se 196.026†	-2.6	-0.00251 mg/L	0.003596	-0.00251 mg/L	0.003596	143.31%
Se 203.985†	3.7	0.00705 mg/L	0.003622	0.00705 mg/L	0.003622	51.36%
Si 251.611†	13121.2	0.8792 mg/L	0.01550	0.8792 mg/L	0.01550	1.76%
Si 288.158†	4566.5	0.9122 mg/L	0.01025	0.9122 mg/L	0.01025	1.12%
Si 252.851†	289.0	0.8908 mg/L	0.02171	0.8908 mg/L	0.02171	2.44%
Sn 235.485†	10.6	0.00421 mg/L	0.003282	0.00421 mg/L	0.003282	77.97%
Sn 189.927†	-0.7	-0.00025 mg/L	0.001377	-0.00025 mg/L	0.001377	556.85%
Sr 460.733†	-39.7	-0.2785 mg/L	0.10530	-0.2785 mg/L	0.10530	37.80%
Sr 407.771†	81.6	0.00008 mg/L	0.000082	0.00008 mg/L	0.000082	101.49%
Sr 421.552†	19.1	0.00006 mg/L	0.000186	0.00006 mg/L	0.000186	321.27%
Ti 337.279†	-9.0	-0.00037 mg/L	0.000285	-0.00037 mg/L	0.000285	77.99%
Ti 334.940†	5.3	0.00015 mg/L	0.000333	0.00015 mg/L	0.000333	216.57%
Ti 336.121†	50.2	0.00235 mg/L	0.002033	0.00235 mg/L	0.002033	86.51%
Tl 351.924†	-52.1	-0.01463 mg/L	0.010447	-0.01463 mg/L	0.010447	71.39%
Tl 190.801†	-1.1	-0.00093 mg/L	0.002131	-0.00093 mg/L	0.002131	230.20%
Tl 276.787†	-1.5	-0.00071 mg/L	0.004516	-0.00071 mg/L	0.004516	638.08%
V 310.230†	26.3	0.00137 mg/L	0.000962	0.00137 mg/L	0.000962	70.20%
V 292.402†	-13.7	-0.00016 mg/L	0.000193	-0.00016 mg/L	0.000193	122.61%
V 311.071†	-18.9	-0.00015 mg/L	0.000066	-0.00015 mg/L	0.000066	44.44%
Zn 206.200†	0.3	0.00028 mg/L	0.001829	0.00028 mg/L	0.001829	642.54%
Zn 213.857†	0.8	0.00033 mg/L	0.001022	0.00033 mg/L	0.001022	314.07%
Zn 202.548†	1.0	0.00058 mg/L	0.000430	0.00058 mg/L	0.000430	73.99%

Sequence No.: 53
Sample ID: wash
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 6/15/2005 12:55:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: wash

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	516893.9						1958.95	0.38%
Y 360.073	3104777.6						16977.41	0.55%
Ag 328.068†	40.7	0.00026	mg/L	0.000417	0.00026	mg/L	0.000417	158.82%
Ag 338.289†	-85.6	-0.00201	mg/L	0.000888	-0.00201	mg/L	0.000888	44.11%
Al 308.215†	6.1	0.00728	mg/L	0.004714	0.00728	mg/L	0.004714	64.76%
Al 394.401†	18.2	0.01312	mg/L	0.006313	0.01312	mg/L	0.006313	48.14%
Al 396.153†	38.9	0.00851	mg/L	0.005382	0.00851	mg/L	0.005382	63.26%
As 188.979†	-1.5	-0.00142	mg/L	0.001714	-0.00142	mg/L	0.001714	120.67%
As 193.696†	-2.5	-0.00168	mg/L	0.000973	-0.00168	mg/L	0.000973	58.03%
As 197.197†	1.5	0.07727	mg/L	0.110591	0.07727	mg/L	0.110591	143.13%
B 208.889†	5.3	0.03152	mg/L	0.012282	0.03152	mg/L	0.012282	38.96%
B 249.677†	5.6	0.00290	mg/L	0.003700	0.00290	mg/L	0.003700	127.79%
B 249.772†	24.6	0.00579	mg/L	0.000377	0.00579	mg/L	0.000377	6.52%
Ba 233.527†	-5.1	-0.00101	mg/L	0.000159	-0.00101	mg/L	0.000159	15.75%
Ba 455.403†	68.3	0.00036	mg/L	0.000650	0.00036	mg/L	0.000650	181.20%
Ba 493.408†	-142.8	-0.00046	mg/L	0.000882	-0.00046	mg/L	0.000882	190.31%
Be 234.861†	0.6	0.00001	mg/L	0.000069	0.00001	mg/L	0.000069	605.91%
Be 313.042†	-109.7	-0.00029	mg/L	0.000085	-0.00029	mg/L	0.000085	29.13%
Be 313.107†	-85.1	-0.00055	mg/L	0.000063	-0.00055	mg/L	0.000063	11.33%
Ca 315.887†	179.4	0.04072	mg/L	0.003132	0.04072	mg/L	0.003132	7.69%
Ca 317.933†	574.2	0.05269	mg/L	0.006973	0.05269	mg/L	0.006973	13.23%
Cd 214.440†	-0.8	0.00005	mg/L	0.000149	0.00005	mg/L	0.000149	302.56%
Cd 226.502†	8.1	0.00018	mg/L	0.000024	0.00018	mg/L	0.000024	12.89%
Cd 228.802†	0.9	0.00040	mg/L	0.001248	0.00040	mg/L	0.001248	308.18%
Ce 413.380†	-46.4	-0.01768	mg/L	0.007644	-0.01768	mg/L	0.007644	43.24%
Ce 413.764†	-14.8	-0.00481	mg/L	0.027947	-0.00481	mg/L	0.027947	580.57%
Ce 418.660†	-30.7	-0.00814	mg/L	0.012277	-0.00814	mg/L	0.012277	150.86%
Co 228.616†	3.9	0.00014	mg/L	0.000271	0.00014	mg/L	0.000271	188.89%
Co 230.786†	-24.6	-0.00111	mg/L	0.000311	-0.00111	mg/L	0.000311	28.12%
Co 238.892†	-3.1	-0.00114	mg/L	0.002132	-0.00114	mg/L	0.002132	187.42%
Cr 205.560†	0.1	0.00015	mg/L	0.000938	0.00015	mg/L	0.000938	632.66%
Cr 267.716†	7.2	0.00016	mg/L	0.000123	0.00016	mg/L	0.000123	76.60%
Cr 283.563†	-624.3	-0.00437	mg/L	0.000365	-0.00437	mg/L	0.000365	8.34%
Cu 224.700†	-2.5	-0.00322	mg/L	0.002168	-0.00322	mg/L	0.002168	67.29%
Cu 324.752†	430.0	0.00206	mg/L	0.000293	0.00206	mg/L	0.000293	14.24%
Cu 327.393†	-65.8	-0.00074	mg/L	0.000294	-0.00074	mg/L	0.000294	39.66%
Fe 238.204†	180.6	0.02727	mg/L	0.001220	0.02727	mg/L	0.001220	4.47%
Fe 239.562†	136.1	0.02843	mg/L	0.000983	0.02843	mg/L	0.000983	3.46%
Fe 259.939†	175.9	0.02785	mg/L	0.000295	0.02785	mg/L	0.000295	1.06%
Fe 273.955†	36.8	0.03236	mg/L	0.002228	0.03236	mg/L	0.002228	6.88%
K 766.490†	-176.6	-0.06287	mg/L	0.023514	-0.06287	mg/L	0.023514	37.40%
Li 610.362†	-38.4	-0.00529	mg/L	0.007558	-0.00529	mg/L	0.007558	142.80%
Li 670.784†	263.8	0.00451	mg/L	0.004190	0.00451	mg/L	0.004190	92.88%
Mg 279.077†	26.4	0.03551	mg/L	0.003510	0.03551	mg/L	0.003510	9.88%
Mg 280.271†	3770.5	0.02192	mg/L	0.000562	0.02192	mg/L	0.000562	2.56%
Mg 285.213†	443.8	0.02500	mg/L	0.000466	0.02500	mg/L	0.000466	1.86%
Mn 257.610†	8.7	0.00031	mg/L	0.000062	0.00031	mg/L	0.000062	20.14%
Mn 259.372†	7.1	0.00017	mg/L	0.000152	0.00017	mg/L	0.000152	87.78%
Mn 260.568†	0.8	0.00005	mg/L	0.000250	0.00005	mg/L	0.000250	477.28%
Mo 202.031†	5.5	0.00052	mg/L	0.000254	0.00052	mg/L	0.000254	48.75%
Mo 203.845†	-0.7	-0.00381	mg/L	0.005923	-0.00381	mg/L	0.005923	155.30%
Mo 204.597†	-0.9	-0.00017	mg/L	0.001226	-0.00017	mg/L	0.001226	723.82%
Na 588.995†	-1576.9	-0.2219	mg/L	0.01620	-0.2219	mg/L	0.01620	7.30%
Na 589.592†	50.7	0.01259	mg/L	0.011803	0.01259	mg/L	0.011803	93.73%
Ni 221.648†	0.8	0.00072	mg/L	0.001742	0.00072	mg/L	0.001742	240.55%
Ni 231.604†	17.7	0.00070	mg/L	0.000329	0.00070	mg/L	0.000329	46.80%
Ni 232.003†	5.2	0.00049	mg/L	0.001133	0.00049	mg/L	0.001133	230.84%
P 213.617†	-19.4	-0.01132	mg/L	0.005322	-0.01132	mg/L	0.005322	47.01%
P 214.914†	-1.6	-0.00102	mg/L	0.004333	-0.00102	mg/L	0.004333	423.15%
Pb 217.000†	-4.2	-0.00281	mg/L	0.001396	-0.00281	mg/L	0.001396	49.61%

Pb 220.353†	-6.9	-0.00112	mg/L	0.001783	-0.00112	mg/L	0.001783	159.83%
Sb 206.836†	1.2	0.00056	mg/L	0.002462	0.00056	mg/L	0.002462	442.88%
Sb 217.582†	4.0	0.00169	mg/L	0.003878	0.00169	mg/L	0.003878	229.10%
Se 196.026†	1.0	0.00097	mg/L	0.006760	0.00097	mg/L	0.006760	693.52%
Se 203.985†	7.0	0.01216	mg/L	0.003574	0.01216	mg/L	0.003574	29.38%
Si 251.611†	248.6	0.01723	mg/L	0.000643	0.01723	mg/L	0.000643	3.73%
Si 288.158†	125.2	0.02558	mg/L	0.002049	0.02558	mg/L	0.002049	8.01%
Si 252.851†	3.5	0.01034	mg/L	0.011688	0.01034	mg/L	0.011688	112.98%
Sn 235.485†	26.8	0.00146	mg/L	0.005462	0.00146	mg/L	0.005462	374.24%
Sn 189.927†	1.1	0.00034	mg/L	0.001645	0.00034	mg/L	0.001645	490.64%
Sr 460.733†	-101.7	-0.7135	mg/L	0.37109	-0.7135	mg/L	0.37109	52.01%
Sr 407.771†	-37.3	-0.00004	mg/L	0.000067	-0.00004	mg/L	0.000067	180.17%
Sr 421.552†	-63.3	-0.00019	mg/L	0.000315	-0.00019	mg/L	0.000315	162.70%
Ti 337.279†	-2.9	-0.00012	mg/L	0.000280	-0.00012	mg/L	0.000280	232.67%
Ti 334.940†	11.1	0.00032	mg/L	0.000228	0.00032	mg/L	0.000228	71.35%
Ti 336.121†	21.0	0.00099	mg/L	0.001803	0.00099	mg/L	0.001803	181.81%
Tl 351.924†	-17.2	-0.00652	mg/L	0.020391	-0.00652	mg/L	0.020391	312.73%
Tl 190.801†	-2.4	-0.00208	mg/L	0.001425	-0.00208	mg/L	0.001425	68.45%
Tl 276.787†	-8.2	-0.00405	mg/L	0.007140	-0.00405	mg/L	0.007140	176.40%
V 310.230†	45.8	0.00240	mg/L	0.000419	0.00240	mg/L	0.000419	17.42%
V 292.402†	11.3	0.00012	mg/L	0.000004	0.00012	mg/L	0.000004	3.03%
V 311.071†	-21.2	-0.00017	mg/L	0.000303	-0.00017	mg/L	0.000303	179.59%
Zn 206.200†	0.7	0.00073	mg/L	0.002603	0.00073	mg/L	0.002603	354.99%
Zn 213.857†	1.3	0.00050	mg/L	0.000558	0.00050	mg/L	0.000558	111.04%
Zn 202.548†	-0.2	-0.00004	mg/L	0.000453	-0.00004	mg/L	0.000453	>999.9%

Sequence No.: 54
Sample ID: LCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 6/15/2005 12:59:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	508825.9						6767.77	1.33%
Y 360.073	3152393.3						9398.21	0.30%
Ag 328.068†	21.9	0.00014	mg/L	0.000642	0.00014	mg/L	0.000642	454.81%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Ag 338.289†	-61.8	-0.00156	mg/L	0.001185	-0.00156	mg/L	0.001185	75.81%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215†	-12.5	-0.01384	mg/L	0.014580	-0.01384	mg/L	0.014580	105.37%
QC value within limits for Al 308.215 Recovery = Not calculated								
Al 394.401†	-1.6	0.00005	mg/L	0.006046	0.00005	mg/L	0.006046	>999.9%
QC value within limits for Al 394.401 Recovery = Not calculated								
Al 396.153†	-75.0	-0.01517	mg/L	0.007757	-0.01517	mg/L	0.007757	51.14%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-2.2	-0.00198	mg/L	0.008164	-0.00198	mg/L	0.008164	411.95%
QC value within limits for As 188.979 Recovery = Not calculated								
As 193.696†	4.6	0.00375	mg/L	0.005056	0.00375	mg/L	0.005056	134.89%
QC value within limits for As 193.696 Recovery = Not calculated								
As 197.197†	-1.6	-0.08216	mg/L	0.032677	-0.08216	mg/L	0.032677	39.77%
QC value within limits for As 197.197 Recovery = Not calculated								
B 208.889†	2.4	0.01460	mg/L	0.009168	0.01460	mg/L	0.009168	62.79%
QC value within limits for B 208.889 Recovery = Not calculated								
B 249.677†	-10.5	-0.00506	mg/L	0.009270	-0.00506	mg/L	0.009270	183.26%
QC value within limits for B 249.677 Recovery = Not calculated								
B 249.772†	9.6	0.00235	mg/L	0.001921	0.00235	mg/L	0.001921	81.60%
QC value within limits for B 249.772 Recovery = Not calculated								
Ba 233.527†	-5.8	-0.00110	mg/L	0.000420	-0.00110	mg/L	0.000420	38.02%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Ba 455.403†	-62.2	-0.00022	mg/L	0.000362	-0.00022	mg/L	0.000362	162.25%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Ba 493.408†	-100.4	-0.00029	mg/L	0.000246	-0.00029	mg/L	0.000246	85.94%
QC value within limits for Ba 493.408 Recovery = Not calculated								
Be 234.861†	-1.4	-0.00003	mg/L	0.000060	-0.00003	mg/L	0.000060	177.96%
QC value within limits for Be 234.861 Recovery = Not calculated								
Be 313.042†	-87.3	-0.00024	mg/L	0.000031	-0.00024	mg/L	0.000031	13.06%
QC value within limits for Be 313.042 Recovery = Not calculated								
Be 313.107†	-55.5	-0.00036	mg/L	0.000205	-0.00036	mg/L	0.000205	56.15%

QC value within limits for Be 313.107 Recovery = Not calculated

Ca 315.887†	5.5	0.00125 mg/L	0.002630	0.00125 mg/L	0.002630	211.28%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Ca 317.933†	211.3	0.02001 mg/L	0.003590	0.02001 mg/L	0.003590	17.95%
QC value within limits for Ca 317.933 Recovery = Not calculated						
d 214.440†	0.4	0.00011 mg/L	0.000020	0.00011 mg/L	0.000020	18.21%
QC value within limits for Cd 214.440 Recovery = Not calculated						
Cd 226.502†	13.0	0.00030 mg/L	0.000276	0.00030 mg/L	0.000276	92.49%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Cd 228.802†	0.7	0.00028 mg/L	0.000945	0.00028 mg/L	0.000945	340.41%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Ce 413.380†	-69.7	-0.02652 mg/L	0.021039	-0.02652 mg/L	0.021039	79.32%
QC value within limits for Ce 413.380 Recovery = Not calculated						
Ce 413.764†	-43.2	-0.01424 mg/L	0.010478	-0.01424 mg/L	0.010478	73.56%
QC value within limits for Ce 413.764 Recovery = Not calculated						
Ce 418.660†	-18.5	-0.00496 mg/L	0.017102	-0.00496 mg/L	0.017102	344.50%
QC value within limits for Ce 418.660 Recovery = Not calculated						
Co 228.616†	13.7	0.00050 mg/L	0.000396	0.00050 mg/L	0.000396	79.13%
QC value within limits for Co 228.616 Recovery = Not calculated						
Co 230.786†	-45.7	-0.00205 mg/L	0.000530	-0.00205 mg/L	0.000530	25.82%
QC value within limits for Co 230.786 Recovery = Not calculated						
Co 238.892†	-0.9	-0.00030 mg/L	0.000944	-0.00030 mg/L	0.000944	316.92%
QC value within limits for Co 238.892 Recovery = Not calculated						
Cr 205.560†	-0.4	-0.00068 mg/L	0.000765	-0.00068 mg/L	0.000765	112.91%
QC value within limits for Cr 205.560 Recovery = Not calculated						
Cr 267.716†	13.8	0.00030 mg/L	0.000531	0.00030 mg/L	0.000531	174.52%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cr 283.563†	-694.0	-0.00484 mg/L	0.000379	-0.00484 mg/L	0.000379	7.83%
QC value within limits for Cr 283.563 Recovery = Not calculated						
Cu 224.700†	-4.0	-0.00522 mg/L	0.002773	-0.00522 mg/L	0.002773	53.10%
QC value within limits for Cu 224.700 Recovery = Not calculated						
Cu 324.752†	287.8	0.00142 mg/L	0.000279	0.00142 mg/L	0.000279	19.62%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Cu 327.393†	-56.4	-0.00061 mg/L	0.000567	-0.00061 mg/L	0.000567	92.63%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	-12.8	-0.00170 mg/L	0.001667	-0.00170 mg/L	0.001667	97.77%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Fe 239.562†	-5.5	-0.00090 mg/L	0.001590	-0.00090 mg/L	0.001590	177.13%
QC value within limits for Fe 239.562 Recovery = Not calculated						
Fe 259.939†	-6.3	-0.00076 mg/L	0.001245	-0.00076 mg/L	0.001245	163.42%
QC value within limits for Fe 259.939 Recovery = Not calculated						
Fe 273.955†	0.3	0.00051 mg/L	0.002659	0.00051 mg/L	0.002659	522.91%
QC value within limits for Fe 273.955 Recovery = Not calculated						
K 766.490†	768.2	0.2734 mg/L	0.32086	0.2734 mg/L	0.32086	117.34%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 610.362†	846.0	0.1166 mg/L	0.10905	0.1166 mg/L	0.10905	93.51%
QC value within limits for Li 610.362 Recovery = Not calculated						
Li 670.784†	87.0	0.00149 mg/L	0.000922	0.00149 mg/L	0.000922	61.96%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	2.7	0.00380 mg/L	0.013903	0.00380 mg/L	0.013903	366.18%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Mg 280.271†	147.6	0.00095 mg/L	0.000208	0.00095 mg/L	0.000208	21.90%
QC value within limits for Mg 280.271 Recovery = Not calculated						
Mg 285.213†	26.0	0.00157 mg/L	0.000207	0.00157 mg/L	0.000207	13.21%
QC value within limits for Mg 285.213 Recovery = Not calculated						
Mn 257.610†	1.6	0.00006 mg/L	0.000122	0.00006 mg/L	0.000122	189.35%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mn 259.372†	2.6	0.00005 mg/L	0.000425	0.00005 mg/L	0.000425	872.18%
QC value within limits for Mn 259.372 Recovery = Not calculated						
Mn 260.568†	-0.5	-0.00002 mg/L	0.000168	-0.00002 mg/L	0.000168	834.02%
QC value within limits for Mn 260.568 Recovery = Not calculated						
Mo 202.031†	16.8	0.00157 mg/L	0.001463	0.00157 mg/L	0.001463	93.47%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Mo 203.845†	1.1	0.00667 mg/L	0.011688	0.00667 mg/L	0.011688	175.11%
QC value within limits for Mo 203.845 Recovery = Not calculated						
Mo 204.597†	6.2	0.00102 mg/L	0.001906	0.00102 mg/L	0.001906	187.07%
QC value within limits for Mo 204.597 Recovery = Not calculated						
Na 588.995†	-743.5	-0.1027 mg/L	0.13754	-0.1027 mg/L	0.13754	133.98%
QC value within limits for Na 588.995 Recovery = Not calculated						
Na 589.592†	-46.7	-0.01026 mg/L	0.023680	-0.01026 mg/L	0.023680	230.90%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 221.648†	1.2	0.00107 mg/L	0.003041	0.00107 mg/L	0.003041	283.62%

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   QC value within limits for Ni 221.648  Recovery = Not calculated
Ni 231.604†              29.2    0.00116 mg/L      0.000483     0.00116 mg/L      0.000483  41.71%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Ni 232.003†               0.1    0.00001 mg/L      0.000820     0.00001 mg/L      0.000820 >999.9%
   QC value within limits for Ni 232.003  Recovery = Not calculated
 213.617†               -8.2   -0.00465 mg/L      0.005717    -0.00465 mg/L      0.005717 122.94%
P 214.914†              -2.0   -0.00132 mg/L      0.005031    -0.00132 mg/L      0.005031 381.39%
Pb 217.000†             -8.6   -0.00572 mg/L      0.002855    -0.00572 mg/L      0.002855  49.96%
   QC value within limits for Pb 217.000  Recovery = Not calculated
Pb 220.353†             -8.4   -0.00136 mg/L      0.001190    -0.00136 mg/L      0.001190  87.34%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 206.836†             -1.1   -0.00043 mg/L      0.004150    -0.00043 mg/L      0.004150 966.62%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Sb 217.582†              8.7    0.00369 mg/L      0.004257     0.00369 mg/L      0.004257 115.26%
   QC value within limits for Sb 217.582  Recovery = Not calculated
Se 196.026†              0.0    0.00000 mg/L      0.005994     0.00000 mg/L      0.005994 >999.9%
   QC value within limits for Se 196.026  Recovery = Not calculated
Se 203.985†              6.5    0.01154 mg/L      0.009354     0.01154 mg/L      0.009354  81.07%
   QC value within limits for Se 203.985  Recovery = Not calculated
Si 251.611†             48.6    0.00394 mg/L      0.005216     0.00394 mg/L      0.005216 132.37%
Si 288.158†             58.9    0.01269 mg/L      0.003998     0.01269 mg/L      0.003998  31.50%
Si 252.851†             -5.5   -0.01830 mg/L      0.017503    -0.01830 mg/L      0.017503  95.63%
Sn 235.485†             -3.8   -0.00380 mg/L      0.007414    -0.00380 mg/L      0.007414 195.16%
   QC value within limits for Sn 235.485  Recovery = Not calculated
Sn 189.927†              2.0    0.00064 mg/L      0.000675     0.00064 mg/L      0.000675 105.71%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Sr 460.733†           -170.6     -1.197 mg/L        0.3800      -1.197 mg/L        0.3800  31.75%
   QC value within limits for Sr 460.733  Recovery = Not calculated
Sr 407.771†            -39.5   -0.00004 mg/L      0.000154    -0.00004 mg/L      0.000154 394.53%
   QC value within limits for Sr 407.771  Recovery = Not calculated
Sr 421.552†            -29.6   -0.00009 mg/L      0.000201    -0.00009 mg/L      0.000201 223.23%
   QC value within limits for Sr 421.552  Recovery = Not calculated
Ti 337.279†             -7.8   -0.00032 mg/L      0.000455    -0.00032 mg/L      0.000455 144.21%
   QC value within limits for Ti 337.279  Recovery = Not calculated
Ti 334.940†              1.9    0.00006 mg/L      0.000206     0.00006 mg/L      0.000206 357.70%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Ti 336.121†             44.8    0.00212 mg/L      0.002443     0.00212 mg/L      0.002443 115.40%
   QC value within limits for Ti 336.121  Recovery = Not calculated
Tl 351.924†             -4.1   -0.00454 mg/L      0.010888    -0.00454 mg/L      0.010888 240.06%
   QC value within limits for Tl 351.924  Recovery = Not calculated
Tl 190.801†              1.8    0.00162 mg/L      0.004412     0.00162 mg/L      0.004412 271.85%
   QC value within limits for Tl 190.801  Recovery = Not calculated
Tl 276.787†             -2.5   -0.00114 mg/L      0.002058    -0.00114 mg/L      0.002058 180.95%
   QC value within limits for Tl 276.787  Recovery = Not calculated
V 310.230†              92.2    0.00482 mg/L      0.001900     0.00482 mg/L      0.001900  39.43%
   QC value within limits for V 310.230  Recovery = Not calculated
V 292.402†              10.7    0.00014 mg/L      0.000488     0.00014 mg/L      0.000488 339.93%
V 311.071†               7.6    0.00005 mg/L      0.000201     0.00005 mg/L      0.000201 428.90%
Zn 206.200†             -0.2   -0.00020 mg/L      0.002046    -0.00020 mg/L      0.002046 >999.9%
   QC value within limits for Zn 206.200  Recovery = Not calculated
Zn 213.857†              0.3    0.00019 mg/L      0.000277     0.00019 mg/L      0.000277 146.14%
   QC value within limits for Zn 213.857  Recovery = Not calculated
Zn 202.548†             -2.4   -0.00112 mg/L      0.000817    -0.00112 mg/L      0.000817  72.83%
   QC value within limits for Zn 202.548  Recovery = Not calculated
All analyte(s) passed QC.
```

Sequence No.: 55
Sample ID: LCM1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 6/15/2005 1:03:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCM1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	509190.6						6933.14	1.36%
Y 360.073	3134571.0						54992.38	1.75%
Ag 328.068†	20229.5	0.1575	mg/L	0.00337	0.1575	mg/L	0.00337	2.14%
Ag 338.289†	6584.3	0.1548	mg/L	0.00536	0.1548	mg/L	0.00536	3.46%
Al 308.215†	922.0	1.012	mg/L	0.0156	1.012	mg/L	0.0156	1.54%

QC value within limits for Al 308.215 Recovery = 101.22%

Al 394.401†	1866.6	1.125 mg/L	0.0164	1.125 mg/L	0.0164	1.46%

QC value greater than the upper limit for Al 394.401 Recovery = 112.54%

Al 396.153†	5314.2	1.034 mg/L	0.0599	1.034 mg/L	0.0599	5.79%

QC value within limits for Al 396.153 Recovery = 103.42%

As 188.979†	1864.2	1.951 mg/L	0.0289	1.951 mg/L	0.0289	1.48%

QC value within limits for As 188.979 Recovery = 97.53%

As 193.696†	2669.5	2.009 mg/L	0.0358	2.009 mg/L	0.0358	1.78%

QC value within limits for As 193.696 Recovery = 100.46%

As 197.197†	39.4	2.056 mg/L	0.0665	2.056 mg/L	0.0665	3.23%

QC value within limits for As 197.197 Recovery = 102.82%

B 208.889†	161.5	0.9529 mg/L	0.01694	0.9529 mg/L	0.01694	1.78%

QC value within limits for B 208.889 Recovery = 95.29%

B 249.677†	1853.8	0.9171 mg/L	0.01082	0.9171 mg/L	0.01082	1.18%

QC value within limits for B 249.677 Recovery = 91.71%

B 249.772†	3934.9	0.9203 mg/L	0.00819	0.9203 mg/L	0.00819	0.89%

QC value within limits for B 249.772 Recovery = 92.03%

Ba 233.527†	4722.3	0.9672 mg/L	0.02807	0.9672 mg/L	0.02807	2.90%

QC value within limits for Ba 233.527 Recovery = 96.72%

Ba 455.403†	212802.1	0.9925 mg/L	0.00207	0.9925 mg/L	0.00207	0.21%

QC value within limits for Ba 455.403 Recovery = 99.25%

Ba 493.408†	277257.4	0.9780 mg/L	0.00316	0.9780 mg/L	0.00316	0.32%

QC value within limits for Ba 493.408 Recovery = 97.80%

Be 234.861†	39367.3	0.9621 mg/L	0.02926	0.9621 mg/L	0.02926	3.04%

QC value within limits for Be 234.861 Recovery = 96.21%

Be 313.042†	371126.0	0.9740 mg/L	0.00355	0.9740 mg/L	0.00355	0.36%

QC value within limits for Be 313.042 Recovery = 97.40%

Be 313.107†	147033.5	0.9523 mg/L	0.00398	0.9523 mg/L	0.00398	0.42%

QC value within limits for Be 313.107 Recovery = 95.23%

Ca 315.887†	4676.0	1.061 mg/L	0.0346	1.061 mg/L	0.0346	3.26%

QC value within limits for Ca 315.887 Recovery = 106.12%

Ca 317.933†	10531.8	0.9448 mg/L	0.04585	0.9448 mg/L	0.04585	4.85%

QC value within limits for Ca 317.933 Recovery = 94.48%

Cd 214.440†	75774.6	0.9955 mg/L	0.02498	0.9955 mg/L	0.02498	2.51%

QC value within limits for Cd 214.440 Recovery = 99.55%

Cd 226.502†	43278.5	0.9898 mg/L	0.02495	0.9898 mg/L	0.02495	2.52%

QC value within limits for Cd 226.502 Recovery = 98.98%

Cd 228.802†	2101.4	0.9321 mg/L	0.00964	0.9321 mg/L	0.00964	1.03%

QC value within limits for Cd 228.802 Recovery = 93.21%

Ce 413.380†	2706.9	1.031 mg/L	0.0277	1.031 mg/L	0.0277	2.69%

QC value within limits for Ce 413.380 Recovery = 103.14%

Ce 413.764†	2995.9	1.000 mg/L	0.0280	1.000 mg/L	0.0280	2.80%

QC value within limits for Ce 413.764 Recovery = 100.05%

Ce 418.660†	3668.9	0.9669 mg/L	0.03786	0.9669 mg/L	0.03786	3.92%

QC value within limits for Ce 418.660 Recovery = 96.69%

Co 228.616†	26618.4	0.9578 mg/L	0.02045	0.9578 mg/L	0.02045	2.14%

QC value within limits for Co 228.616 Recovery = 95.78%

Co 230.786†	21398.8	0.9736 mg/L	0.02524	0.9736 mg/L	0.02524	2.59%

QC value within limits for Co 230.786 Recovery = 97.36%

Co 238.892†	3088.4	1.052 mg/L	0.0147	1.052 mg/L	0.0147	1.40%

QC value within limits for Co 238.892 Recovery = 105.16%

Cr 205.560†	525.5	0.9802 mg/L	0.00968	0.9802 mg/L	0.00968	0.99%

QC value within limits for Cr 205.560 Recovery = 98.02%

Cr 267.716†	47913.6	0.9442 mg/L	0.02190	0.9442 mg/L	0.02190	2.32%

QC value within limits for Cr 267.716 Recovery = 94.42%

Cr 283.563†	145604.8	1.018 mg/L	0.0267	1.018 mg/L	0.0267	2.62%

QC value within limits for Cr 283.563 Recovery = 101.78%

Cu 224.700†	681.9	1.015 mg/L	0.0143	1.015 mg/L	0.0143	1.41%

QC value within limits for Cu 224.700 Recovery = 101.52%

Cu 324.752†	208139.3	0.9750 mg/L	0.02515	0.9750 mg/L	0.02515	2.58%

QC value within limits for Cu 324.752 Recovery = 97.50%

Cu 327.393†	82677.5	0.9623 mg/L	0.02612	0.9623 mg/L	0.02612	2.71%

QC value within limits for Cu 327.393 Recovery = 96.23%

Fe 238.204†	6779.4	1.014 mg/L	0.0327	1.014 mg/L	0.0327	3.23%

QC value within limits for Fe 238.204 Recovery = 101.35%

Fe 239.562†	4901.8	1.012 mg/L	0.0361	1.012 mg/L	0.0361	3.57%

QC value within limits for Fe 239.562 Recovery = 101.24%

Fe 259.939†	6479.3	1.015 mg/L	0.0346	1.015 mg/L	0.0346	3.40%

QC value within limits for Fe 259.939 Recovery = 101.51%

Fe 273.955†	1255.2	1.090 mg/L	0.0146	1.090 mg/L	0.0146	1.34%

QC value within limits for Fe 273.955 Recovery = 109.03%

K 766.490†	15071.7	5.365 mg/L	0.2924	5.365 mg/L	0.2924	5.45%

QC value within limits for K 766.490 Recovery = 107.29%

Li 610.362†	9241.0	1.274 mg/L	0.0864	1.274 mg/L	0.0864	6.78%

QC value greater than the upper limit for Li 610.362 Recovery = 127.38%

Li 670.784†	61674.5	1.055 mg/L	0.0329	1.055 mg/L	0.0329	3.12%

QC value within limits for Li 670.784 Recovery = 105.48%

Mg 279.077†	783.5	1.050 mg/L	0.0212	1.050 mg/L	0.0212	2.02%

QC value within limits for Mg 279.077 Recovery = 105.02%

Mg 280.271†	174947.6	1.013 mg/L	0.0046	1.013 mg/L	0.0046	0.45%

QC value within limits for Mg 280.271 Recovery = 101.26%

Mg 285.213†	18530.9	1.040 mg/L	0.0304	1.040 mg/L	0.0304	2.93%

QC value within limits for Mg 285.213 Recovery = 104.01%

Mn 257.610†	28226.5	0.9787 mg/L	0.03524	0.9787 mg/L	0.03524	3.60%

QC value within limits for Mn 257.610 Recovery = 97.87%

Mn 259.372†	36469.8	0.9365 mg/L	0.03261	0.9365 mg/L	0.03261	3.48%

QC value within limits for Mn 259.372 Recovery = 93.65%

Mn 260.568†	16757.1	0.9585 mg/L	0.03272	0.9585 mg/L	0.03272	3.41%

QC value within limits for Mn 260.568 Recovery = 95.85%

Mo 202.031†	10868.9	0.9947 mg/L	0.02145	0.9947 mg/L	0.02145	2.16%

QC value within limits for Mo 202.031 Recovery = 99.47%

Mo 203.845†	176.6	1.016 mg/L	0.0042	1.016 mg/L	0.0042	0.41%

QC value within limits for Mo 203.845 Recovery = 101.58%

Mo 204.597†	6073.4	1.020 mg/L	0.0163	1.020 mg/L	0.0163	1.60%

QC value within limits for Mo 204.597 Recovery = 101.96%

Na 588.995†	6734.7	0.9445 mg/L	0.13168	0.9445 mg/L	0.13168	13.94%
Na 589.592†	4062.7	0.9566 mg/L	0.05156	0.9566 mg/L	0.05156	5.39%
Ni 221.648†	1191.3	1.023 mg/L	0.0120	1.023 mg/L	0.0120	1.17%

QC value within limits for Ni 221.648 Recovery = 102.27%

Ni 231.604†	25875.8	1.002 mg/L	0.0260	1.002 mg/L	0.0260	2.60%

QC value within limits for Ni 231.604 Recovery = 100.20%

Ni 232.003†	11840.9	1.007 mg/L	0.0229	1.007 mg/L	0.0229	2.28%

QC value within limits for Ni 232.003 Recovery = 100.67%

P 213.617†	8777.1	5.152 mg/L	0.0908	5.152 mg/L	0.0908	1.76%
P 214.914†	7296.5	5.076 mg/L	0.0803	5.076 mg/L	0.0803	1.58%
Pb 217.000†	3018.4	2.036 mg/L	0.0317	2.036 mg/L	0.0317	1.56%

QC value within limits for Pb 217.000 Recovery = 101.81%

Pb 220.353†	12210.8	1.960 mg/L	0.0520	1.960 mg/L	0.0520	2.65%

QC value within limits for Pb 220.353 Recovery = 97.98%

Sb 206.836†	4366.1	1.921 mg/L	0.0335	1.921 mg/L	0.0335	1.75%

QC value within limits for Sb 206.836 Recovery = 96.06%

Sb 217.582†	4838.4	1.992 mg/L	0.0351	1.992 mg/L	0.0351	1.76%

QC value within limits for Sb 217.582 Recovery = 99.62%

Se 196.026†	1026.1	1.003 mg/L	0.0104	1.003 mg/L	0.0104	1.04%

QC value within limits for Se 196.026 Recovery = 100.30%

Se 203.985†	702.0	0.9268 mg/L	0.00892	0.9268 mg/L	0.00892	0.96%

QC value within limits for Se 203.985 Recovery = 92.68%

Si 251.611†	72215.6	4.807 mg/L	0.1174	4.807 mg/L	0.1174	2.44%
Si 288.158†	24578.4	4.898 mg/L	0.1238	4.898 mg/L	0.1238	2.53%
Si 252.851†	2468.1	5.187 mg/L	0.1403	5.187 mg/L	0.1403	2.70%
Sn 235.485†	11458.9	4.734 mg/L	0.1365	4.734 mg/L	0.1365	2.88%

QC value within limits for Sn 235.485 Recovery = 94.68%

Sn 189.927†	14902.4	4.950 mg/L	0.1320	4.950 mg/L	0.1320	2.67%

QC value within limits for Sn 189.927 Recovery = 99.01%

Sr 460.733†	-395.2	-2.782 mg/L	0.8622	-2.782 mg/L	0.8622	30.99%

QC value less than the lower limit for Sr 460.733 Recovery = -278.19%

Sr 407.771†	992746.2	0.9834 mg/L	0.00286	0.9834 mg/L	0.00286	0.29%

QC value within limits for Sr 407.771 Recovery = 98.34%

Sr 421.552†	323580.2	0.9869 mg/L	0.00380	0.9869 mg/L	0.00380	0.38%

QC value within limits for Sr 421.552 Recovery = 98.69%

Ti 337.279†	24573.5	0.9995 mg/L	0.03665	0.9995 mg/L	0.03665	3.67%

QC value within limits for Ti 337.279 Recovery = 99.95%

Ti 334.940†	34717.7	0.9999 mg/L	0.03527	0.9999 mg/L	0.03527	3.53%

QC value within limits for Ti 334.940 Recovery = 99.99%

Ti 336.121†	22021.6	1.029 mg/L	0.0380	1.029 mg/L	0.0380	3.69%

QC value within limits for Ti 336.121 Recovery = 102.89%

Tl 351.924†	19136.9	5.026 mg/L	0.1392	5.026 mg/L	0.1392	2.77%

QC value within limits for Tl 351.924 Recovery = 100.51%

Tl 190.801†	5928.4	5.168 mg/L	0.0780	5.168 mg/L	0.0780	1.51%

QC value within limits for Tl 190.801 Recovery = 103.36%

Tl 276.787†	9521.5	4.473 mg/L	0.1255	4.473 mg/L	0.1255	2.81%

QC value less than the lower limit for Tl 276.787 Recovery = 89.45%

V 310.230†	19487.8	1.0000 mg/L	0.03585	1.0000 mg/L	0.03585	3.58%

QC value within limits for V 310.230 Recovery = 100.00%

V 292.402†	79763.6	0.9710	mg/L	0.02192	0.9710	mg/L	0.02192	2.26%
V 311.071†	128359.5	0.9944	mg/L	0.02471	0.9944	mg/L	0.02471	2.48%
Zn 206.200†	953.8	0.9605	mg/L	0.00963	0.9605	mg/L	0.00963	1.00%
QC value within limits for Zn 206.200 Recovery = 96.05%								
Zn 213.857†	2550.9	0.9538	mg/L	0.01126	0.9538	mg/L	0.01126	1.18%
QC value within limits for Zn 213.857 Recovery = 95.38%								
Zn 202.548†	1897.6	0.9697	mg/L	0.01247	0.9697	mg/L	0.01247	1.29%
QC value within limits for Zn 202.548 Recovery = 96.97%								

QC Failed. Continue with analysis.

Sequence No.: 56 **Autosampler Location: 3**
Sample ID: LCM2 **Date Collected: 6/15/2005 1:07:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: LCM2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	528787.9						4783.94	0.90%
Y 360.073	3203083.9						25812.69	0.81%
Ag 328.068†	6606.6	0.04960	mg/L	0.000463	0.04960	mg/L	0.000463	0.93%
QC value within limits for Ag 328.068 Recovery = 99.19%								
Ag 338.289†	2195.3	0.04859	mg/L	0.000991	0.04859	mg/L	0.000991	2.04%
QC value within limits for Ag 338.289 Recovery = 97.18%								
Al 308.215†	32.7	0.03729	mg/L	0.012629	0.03729	mg/L	0.012629	33.87%
Al 394.401†	87.8	0.05885	mg/L	0.001425	0.05885	mg/L	0.001425	2.42%
Al 396.153†	206.3	0.04198	mg/L	0.008945	0.04198	mg/L	0.008945	21.31%
As 188.979†	-0.1	0.00002	mg/L	0.003486	0.00002	mg/L	0.003486	>999.9%
As 193.696†	2.8	0.00219	mg/L	0.002325	0.00219	mg/L	0.002325	106.02%
As 197.197†	1.1	0.05575	mg/L	0.096345	0.05575	mg/L	0.096345	172.82%
B 208.889†	7.4	0.04365	mg/L	0.010164	0.04365	mg/L	0.010164	23.29%
B 249.677†	45.3	0.02259	mg/L	0.002402	0.02259	mg/L	0.002402	10.63%
B 249.772†	110.2	0.02582	mg/L	0.000177	0.02582	mg/L	0.000177	0.69%
Ba 233.527†	-1.0	-0.00017	mg/L	0.000882	-0.00017	mg/L	0.000882	516.35%
Ba 455.403†	166.5	0.00080	mg/L	0.000214	0.00080	mg/L	0.000214	26.61%
Ba 493.408†	-12.7	-0.00002	mg/L	0.000245	-0.00002	mg/L	0.000245	>999.9%
Be 234.861†	7.1	0.00017	mg/L	0.000140	0.00017	mg/L	0.000140	81.65%
Be 313.042†	-66.2	-0.00017	mg/L	0.000023	-0.00017	mg/L	0.000023	13.00%
Be 313.107†	-65.3	-0.00042	mg/L	0.000112	-0.00042	mg/L	0.000112	26.41%
Ca 315.887†	201.6	0.04575	mg/L	0.001670	0.04575	mg/L	0.001670	3.65%
Ca 317.933†	615.4	0.05624	mg/L	0.003818	0.05624	mg/L	0.003818	6.79%
Cd 214.440†	18.6	0.00028	mg/L	0.000034	0.00028	mg/L	0.000034	12.20%
Cd 226.502†	25.5	0.00058	mg/L	0.000049	0.00058	mg/L	0.000049	8.37%
Cd 228.802†	4.4	0.00197	mg/L	0.000569	0.00197	mg/L	0.000569	28.95%
Ce 413.380†	2.8	0.00113	mg/L	0.007612	0.00113	mg/L	0.007612	675.93%
Ce 413.764†	9.4	0.00322	mg/L	0.022738	0.00322	mg/L	0.022738	705.26%
Ce 418.660†	-35.2	-0.00927	mg/L	0.033674	-0.00927	mg/L	0.033674	363.30%
Co 228.616†	0.4	0.00002	mg/L	0.000095	0.00002	mg/L	0.000095	570.55%
Co 230.786†	-74.0	-0.00338	mg/L	0.000334	-0.00338	mg/L	0.000334	9.87%
Co 238.892†	3.0	0.00097	mg/L	0.002744	0.00097	mg/L	0.002744	282.37%
Cr 205.560†	1.7	0.00315	mg/L	0.001569	0.00315	mg/L	0.001569	49.74%
Cr 267.716†	153.2	0.00303	mg/L	0.000140	0.00303	mg/L	0.000140	4.62%
Cr 283.563†	-295.2	-0.00207	mg/L	0.000733	-0.00207	mg/L	0.000733	35.42%
Cu 224.700†	-2.4	-0.00334	mg/L	0.002382	-0.00334	mg/L	0.002382	71.34%
Cu 324.752†	403.7	0.00191	mg/L	0.000206	0.00191	mg/L	0.000206	10.76%
Cu 327.393†	-46.8	-0.00053	mg/L	0.001201	-0.00053	mg/L	0.001201	227.48%
Fe 238.204†	171.5	0.02584	mg/L	0.001118	0.02584	mg/L	0.001118	4.32%
Fe 239.562†	123.0	0.02564	mg/L	0.000213	0.02564	mg/L	0.000213	0.83%
Fe 259.939†	170.0	0.02686	mg/L	0.000574	0.02686	mg/L	0.000574	2.14%
Fe 273.955†	35.7	0.03133	mg/L	0.002238	0.03133	mg/L	0.002238	7.14%
K 766.490†	-1012.4	-0.3604	mg/L	0.20100	-0.3604	mg/L	0.20100	55.78%
Li 610.362†	-1093.1	-0.1507	mg/L	0.10453	-0.1507	mg/L	0.10453	69.38%
Li 670.784†	146.4	0.00250	mg/L	0.002274	0.00250	mg/L	0.002274	90.82%
Mg 279.077†	16.5	0.02223	mg/L	0.001910	0.02223	mg/L	0.001910	8.59%
Mg 280.271†	2604.3	0.01514	mg/L	0.000394	0.01514	mg/L	0.000394	2.61%
Mg 285.213†	285.6	0.01609	mg/L	0.000358	0.01609	mg/L	0.000358	2.23%
Mn 257.610†	16.4	0.00057	mg/L	0.000085	0.00057	mg/L	0.000085	14.92%
Mn 259.372†	17.6	0.00035	mg/L	0.000080	0.00035	mg/L	0.000080	22.92%
Mn 260.568†	8.0	0.00046	mg/L	0.000173	0.00046	mg/L	0.000173	37.97%

Mo 202.031†	16.1	0.00149	mg/L	0.000178	0.00149	mg/L	0.000178	11.92%
Mo 203.845†	2.6	0.01488	mg/L	0.012064	0.01488	mg/L	0.012064	81.09%
Mo 204.597†	0.6	0.00009	mg/L	0.000623	0.00009	mg/L	0.000623	700.22%
Na 588.995†	-2582.4	-0.3650	mg/L	0.11616	-0.3650	mg/L	0.11616	31.82%
Na 589.592†	29.5	0.00731	mg/L	0.002443	0.00731	mg/L	0.002443	33.40%
Ni 221.648†	1.0	0.00086	mg/L	0.001159	0.00086	mg/L	0.001159	135.06%
Ni 231.604†	51.0	0.00198	mg/L	0.000278	0.00198	mg/L	0.000278	14.02%
Ni 232.003†	20.2	0.00162	mg/L	0.001068	0.00162	mg/L	0.001068	66.05%
P 213.617†	-5.0	-0.00285	mg/L	0.002672	-0.00285	mg/L	0.002672	93.67%
P 214.914†	-7.7	-0.00548	mg/L	0.001066	-0.00548	mg/L	0.001066	19.46%
Pb 217.000†	-3.5	-0.00239	mg/L	0.006065	-0.00239	mg/L	0.006065	253.43%
Pb 220.353†	3.3	0.00054	mg/L	0.000949	0.00054	mg/L	0.000949	175.44%
Sb 206.836†	3.9	0.00172	mg/L	0.001503	0.00172	mg/L	0.001503	87.43%
Sb 217.582†	11.9	0.00496	mg/L	0.002463	0.00496	mg/L	0.002463	49.69%
Se 196.026†	2.2	0.00215	mg/L	0.002333	0.00215	mg/L	0.002333	108.46%
Se 203.985†	7.4	0.01205	mg/L	0.005486	0.01205	mg/L	0.005486	45.54%
Si 251.611†	764.5	0.05123	mg/L	0.001097	0.05123	mg/L	0.001097	2.14%
Si 288.158†	281.7	0.05663	mg/L	0.003803	0.05663	mg/L	0.003803	6.72%
Si 252.851†	13.8	0.04080	mg/L	0.006807	0.04080	mg/L	0.006807	16.68%
Sn 235.485†	31.4	0.00424	mg/L	0.006819	0.00424	mg/L	0.006819	160.75%
Sn 189.927†	9.8	0.00326	mg/L	0.001545	0.00326	mg/L	0.001545	47.41%
Sr 460.733†	-66.3	-0.4653	mg/L	0.37764	-0.4653	mg/L	0.37764	81.16%
Sr 407.771†	314.6	0.00031	mg/L	0.000060	0.00031	mg/L	0.000060	19.43%
Sr 421.552†	147.6	0.00045	mg/L	0.000158	0.00045	mg/L	0.000158	35.10%
Ti 337.279†	22.1	0.00090	mg/L	0.000168	0.00090	mg/L	0.000168	18.74%
Ti 334.940†	44.5	0.00128	mg/L	0.000146	0.00128	mg/L	0.000146	11.41%
Ti 336.121†	72.0	0.00337	mg/L	0.001668	0.00337	mg/L	0.001668	49.46%
Tl 351.924†	-134.3	-0.03671	mg/L	0.021068	-0.03671	mg/L	0.021068	57.39%
Tl 190.801†	-0.3	-0.00022	mg/L	0.005085	-0.00022	mg/L	0.005085	>999.9%
Tl 276.787†	-6.2	-0.00307	mg/L	0.001196	-0.00307	mg/L	0.001196	38.92%
V 310.230†	15.8	0.00085	mg/L	0.000137	0.00085	mg/L	0.000137	16.18%
V 292.402†	-2.0	0.00001	mg/L	0.000344	0.00001	mg/L	0.000344	>999.9%
V 311.071†	-0.5	-0.00003	mg/L	0.000333	-0.00003	mg/L	0.000333	>999.9%
Zn 206.200†	4.7	0.00475	mg/L	0.001045	0.00475	mg/L	0.001045	21.98%
Zn 213.857†	12.7	0.00479	mg/L	0.000410	0.00479	mg/L	0.000410	8.54%
Zn 202.548†	8.3	0.00433	mg/L	0.000516	0.00433	mg/L	0.000516	11.93%

All analyte(s) passed QC.

Sequence No.: 57
Sample ID: HiLCM
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/15/2005 1:11:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: HiLCM

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	460571.7						8371.31	1.82%
Y 360.073	3008611.0						5955.73	0.20%
Ag 328.068†	-172.1	-0.00028	mg/L	0.000502	-0.00028	mg/L	0.000502	177.23%
Ag 338.289†	-56.9	-0.00210	mg/L	0.000558	-0.00210	mg/L	0.000558	26.50%
Al 308.215†	90044.4	102.6	mg/L	1.67	102.6	mg/L	1.67	1.63%
QC value within limits for Al 308.215 Recovery = 102.63%								
Al 394.401†	148477.9	97.58	mg/L	0.339	97.58	mg/L	0.339	0.35%
Al 396.153†	501885.2	103.1	mg/L	0.36	103.1	mg/L	0.36	0.35%
As 188.979†	-22.2	-0.02355	mg/L	0.004104	-0.02355	mg/L	0.004104	17.43%
As 193.696†	-73.7	-0.01537	mg/L	0.005445	-0.01537	mg/L	0.005445	35.41%
As 197.197†	-1.5	-0.1064	mg/L	0.20465	-0.1064	mg/L	0.20465	192.37%
B 208.889†	19.7	0.09316	mg/L	0.012725	0.09316	mg/L	0.012725	13.66%
B 249.677†	20.6	0.01598	mg/L	0.001580	0.01598	mg/L	0.001580	9.89%
B 249.772†	648.6	0.05830	mg/L	0.003769	0.05830	mg/L	0.003769	6.46%
Ba 233.527†	3.8	-0.00126	mg/L	0.000753	-0.00126	mg/L	0.000753	59.81%
Ba 455.403†	-8.7	-0.00028	mg/L	0.000134	-0.00028	mg/L	0.000134	47.02%
Ba 493.408†	92.5	-0.00050	mg/L	0.000396	-0.00050	mg/L	0.000396	78.70%
Be 234.861†	578.1	0.00277	mg/L	0.000103	0.00277	mg/L	0.000103	3.72%
Be 313.042†	-93.9	-0.00023	mg/L	0.000026	-0.00023	mg/L	0.000026	11.30%
Be 313.107†	-117.4	-0.00057	mg/L	0.000064	-0.00057	mg/L	0.000064	11.17%
Ca 315.887†	459344.1	104.2	mg/L	0.50	104.2	mg/L	0.50	0.48%
QC value within limits for Ca 315.887 Recovery = 104.25%								
Ca 317.933†	1005976.8	91.44	mg/L	0.455	91.44	mg/L	0.455	0.50%

Cd 214.440†	387.7	-0.00060 mg/L	0.000174	-0.00060 mg/L	0.000174	28.92%
Cd 226.502†	249.9	-0.00183 mg/L	0.000140	-0.00183 mg/L	0.000140	7.62%
Cd 228.802†	2.8	0.00071 mg/L	0.000418	0.00071 mg/L	0.000418	58.77%
Ce 413.380†	67.0	0.00099 mg/L	0.048799	0.00099 mg/L	0.048799	>999.9%
Ce 413.764†	-37.3	-0.02801 mg/L	0.012477	-0.02801 mg/L	0.012477	44.55%
Ce 418.660†	-9.9	-0.00514 mg/L	0.008879	-0.00514 mg/L	0.008879	172.73%
Co 228.616†	-10.6	-0.00113 mg/L	0.000297	-0.00113 mg/L	0.000297	26.23%
Co 230.786†	1057.9	0.01953 mg/L	0.000904	0.01953 mg/L	0.000904	4.63%
Co 238.892†	849.6	0.04268 mg/L	0.006474	0.04268 mg/L	0.006474	15.17%
Cr 205.560†	-4.6	-0.00873 mg/L	0.001216	-0.00873 mg/L	0.001216	13.92%
Cr 267.716†	908.9	0.01066 mg/L	0.001172	0.01066 mg/L	0.001172	10.99%
Cr 283.563†	3112.5	-0.02758 mg/L	0.000031	-0.02758 mg/L	0.000031	0.11%
Cu 224.700†	38.1	0.00378 mg/L	0.002237	0.00378 mg/L	0.002237	59.25%
Cu 324.752†	1088.0	0.00173 mg/L	0.000165	0.00173 mg/L	0.000165	9.54%
Cu 327.393†	87.8	-0.00105 mg/L	0.000562	-0.00105 mg/L	0.000562	53.46%
Fe 238.204†	649526.7	97.57 mg/L	0.450	97.57 mg/L	0.450	0.46%
Fe 239.562†	468876.8	97.41 mg/L	0.396	97.41 mg/L	0.396	0.41%
Fe 259.939†	623847.3	98.24 mg/L	0.413	98.24 mg/L	0.413	0.42%
Fe 273.955†	116570.0	102.0 mg/L	0.52	102.0 mg/L	0.52	0.51%
QC value within limits for Fe 273.955 Recovery = 101.97%						
K 766.490†	286125.1	101.8 mg/L	0.43	101.8 mg/L	0.43	0.42%
QC value within limits for K 766.490 Recovery = 101.84%						
Li 610.362†	5648.7	0.7786 mg/L	0.11484	0.7786 mg/L	0.11484	14.75%
Li 670.784†	364.6	0.00624 mg/L	0.002452	0.00624 mg/L	0.002452	39.33%
Mg 279.077†	44898.9	60.25 mg/L	0.965	60.25 mg/L	0.965	1.60%
QC value within limits for Mg 279.077 Recovery = 100.41%						
Mg 280.271†	9799558.6	56.83 mg/L	1.354	56.83 mg/L	1.354	2.38%
Mg 285.213†	1073565.7	60.30 mg/L	0.178	60.30 mg/L	0.178	0.29%
Mn 257.610†	44.8	-0.00147 mg/L	0.000281	-0.00147 mg/L	0.000281	19.05%
Mn 259.372†	4506.7	-0.00595 mg/L	0.002788	-0.00595 mg/L	0.002788	46.84%
Mn 260.568†	67.4	-0.00221 mg/L	0.000175	-0.00221 mg/L	0.000175	7.91%
Mo 202.031†	4.8	0.00385 mg/L	0.000357	0.00385 mg/L	0.000357	9.28%
Mo 203.845†	3.5	0.00957 mg/L	0.015268	0.00957 mg/L	0.015268	159.61%
Mo 204.597†	27.8	-0.00031 mg/L	0.001227	-0.00031 mg/L	0.001227	392.96%
Na 588.995†	723856.5	102.6 mg/L	0.31	102.6 mg/L	0.31	0.30%
Na 589.592†	403460.1	95.92 mg/L	0.366	95.92 mg/L	0.366	0.38%
QC value within limits for Na 589.592 Recovery = 95.92%						
Ni 221.648†	1.4	-0.00330 mg/L	0.001546	-0.00330 mg/L	0.001546	46.80%
Ni 231.604†	101.9	0.00066 mg/L	0.000798	0.00066 mg/L	0.000798	120.83%
Ni 232.003†	-663.2	-0.01600 mg/L	0.003817	-0.01600 mg/L	0.003817	23.85%
P 213.617†	-42.6	0.00386 mg/L	0.006684	0.00386 mg/L	0.006684	173.06%
P 214.914†	85.2	0.00209 mg/L	0.007407	0.00209 mg/L	0.007407	355.04%
Pb 217.000†	228.7	0.01125 mg/L	0.004534	0.01125 mg/L	0.004534	40.29%
Pb 220.353†	-3.8	0.01112 mg/L	0.001923	0.01112 mg/L	0.001923	17.29%
Sb 206.836†	-7.9	-0.00917 mg/L	0.004142	-0.00917 mg/L	0.004142	45.19%
Sb 217.582†	55.4	0.01049 mg/L	0.001763	0.01049 mg/L	0.001763	16.80%
Se 196.026†	-23.2	-0.00161 mg/L	0.010759	-0.00161 mg/L	0.010759	670.04%
Se 203.985†	129.5	0.2435 mg/L	0.01391	0.2435 mg/L	0.01391	5.71%
Si 251.611†	710.1	0.03864 mg/L	0.001100	0.03864 mg/L	0.001100	2.85%
Si 288.158†	254.7	0.03782 mg/L	0.003757	0.03782 mg/L	0.003757	9.93%
Si 252.851†	-10.1	-0.05772 mg/L	0.019976	-0.05772 mg/L	0.019976	34.61%
Sn 235.485†	21311.3	-19.36 mg/L	0.079	-19.36 mg/L	0.079	0.41%
Sn 189.927†	-64.3	-0.01809 mg/L	0.000575	-0.01809 mg/L	0.000575	3.18%
Sr 460.733†	-238.7	-1.690 mg/L	0.3938	-1.690 mg/L	0.3938	23.31%
Sr 407.771†	842.4	-0.00105 mg/L	0.000100	-0.00105 mg/L	0.000100	9.52%
Sr 421.552†	371.9	-0.00090 mg/L	0.000420	-0.00090 mg/L	0.000420	46.53%
Ti 337.279†	57.3	-0.00315 mg/L	0.000063	-0.00315 mg/L	0.000063	2.02%
Ti 334.940†	-206.0	-0.00625 mg/L	0.000114	-0.00625 mg/L	0.000114	1.83%
Ti 336.121†	58.7	-0.00238 mg/L	0.001253	-0.00238 mg/L	0.001253	52.65%
Tl 351.924†	20.3	-0.01603 mg/L	0.008614	-0.01603 mg/L	0.008614	53.73%
Tl 190.801†	-8.0	-0.00506 mg/L	0.003710	-0.00506 mg/L	0.003710	73.28%
Tl 276.787†	5788.6	2.300 mg/L	0.0430	2.300 mg/L	0.0430	1.87%
V 310.230†	218.1	0.01174 mg/L	0.001232	0.01174 mg/L	0.001232	10.50%
V 292.402†	306.7	-0.00166 mg/L	0.000129	-0.00166 mg/L	0.000129	7.77%
V 311.071†	-907.7	-0.00678 mg/L	0.000506	-0.00678 mg/L	0.000506	7.46%
Zn 206.200†	17.6	0.01153 mg/L	0.001692	0.01153 mg/L	0.001692	14.67%
Zn 213.857†	69.4	0.01241 mg/L	0.000922	0.01241 mg/L	0.000922	7.43%
Zn 202.548†	29.6	0.00694 mg/L	0.000303	0.00694 mg/L	0.000303	4.36%

All analyte(s) passed QC.