ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 5
77 West Jackson Boulevard
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
02AH18	Cheshire monitoring study

Activity Code: ~~12345~~ 90101A

AIR 2002 0016

SAMPLERS: *(Print Name and Sign)*
Mike Murphy Mike Murphy Mike Murphy

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Analyte A						TAG NUMBERS
DO1	11/3	00:00	X		GHS	2							5-340096 1 to 2
SO1	11/3	00:00	X		GHS	2							5-340097 1 to 2
SO2	11/3	00:00	X		RVHS	2							5-340095 1 to 2
SO3	11/3	00:00	X		ADDAVILLE	2							5-340094 1 to 2
													Guiding Hands school
													Serial # 3012, AVG Psig = 18.5 inches of H2O
													Serial # 3013, AVG Psig = 18.5 inches of H2O
													RVHS
													Serial # 3009, AVG Psig = 19.1 inches of H2O
													Addaville
													Serial # 3011, AVG Psig = 19.8 inches of H2O

Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Mike Murphy	11-6-01 15:22	[signature]
Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) / Date / Time
		[signature] 11/16/01 12:15pm

Ship To:

ATTN:

Airbill Number
UPS#1Z4071990140191260

Chain of Custody Seal Numbers

5-140023

Project No.	Project Name	
02AH18	CHESHIRE MONITORING STUDY AIR 20020016 ARRIVAL DATE: [redacted] 11/16/2001	90/07A DUE DATE 12/7/2001

Sampler
Mike Murphy

Cooler ID 02AH181 **Page** 5-140023

Sample Id:	Station	Date / Time	Grab / Comp	Station Location	No Bottles	Tag Numbers
02AH18DO1	DO1	03/11/2001 00:00:00	◯ Grab ● Com	GHS	2	5-340096 1 to 2

Bottle No. 1 **Parameter** Metal analysis by ICP

Bottle No. 2 **Parameter** PM10

Sample Id:	Station	Date / Time	Grab / Comp	Station Location	No Bottles	Tag Numbers
02AH18SO1	SO1	03/11/2001 00:00:00	◯ Grab ● Com	GHS	2	5-340097 1 to 2

Bottle No. 1 **Parameter** Metal analysis by ICP

Bottle No. 2 **Parameter** PM10

Sample Id:	Station	Date / Time	Grab / Comp	Station Location	No Bottles	Tag Numbers
02AH18SO2	SO2	03/11/2001 00:00:00	◯ Grab ● Com	RVHS	2	5-340095 1 to 2

Bottle No. 1 **Parameter** Metal analysis by ICP

Bottle No. 2 **Parameter** PM10

Sample Id:	Station	Date / Time	Grab / Comp	Station Location	No Bottles	Tag Numbers
02AH18SO3	SO3	03/11/2001 00:00:00	◯ Grab ● Com	ADDAVILLE	2	5-340094 1 to 2

Bottle No. 1 **Parameter** Metal analysis by ICP

Bottle No. 2 **Parameter** PM10

CENTRAL REGIONAL LABORATORY

Data Checklist

Data Set AIR 2002 0016 Cheshire Monitoring Suspended Particles

- [x] Chain-of-Custody
- [x] Analysis Request Form(s)*
- [ ] Sample Tags
- [x] Transmittal Report w/signatures of the following:
  - Analyst (s)
  - Data Management Coordinator

* Analysis Request Forms provide the data user a means to connect sample numbers with sampling locations

Prepared by: Sylvia Griffin 11-30-01
Data Management Coordinator

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: NOV 30 2001

Subject: Review of Region 5 Data for **CHESHIRE MONITORING STUDY**

From: **Francis A. Awanya, Chemist** FAA
Region 5 Central Regional Laboratory

To:

Attached are the results for: **CHESHIRE MONITORING STUDY**

CRL data set number: **20020016**

Samples analyzed for: **Suspended Particles**

Results are reported for sample designations: **2002AH18S01, 2002AH18D01, 2002AH18S02, and 2002AH18S03.**

NOV 30 2001

Data Management Coordinator and Date Received

Date Transmitted: NOV 30 2001 / /

Please have the U.S. EPA Project Manager/Officer complete the Customer Satisfaction Survey, attached, or call the CRL Sample Coordinator at 3-1226.

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:

Rev. 7/23/01

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 5
77 West Jackson Boulevard
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	Activity Code: ~~12345~~
02AH18	Cheshire monitoring study	90101A

SAMPLERS: *(Print Name and Sign)*
Mike Murphy Mike Murphy Mike Murphy

AIR 2002 0016

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Analyte						TAG NUMBERS
DO1	11/3	00:00	X		GHS	2							5-340096 1 to 2
SO1	11/3	00:00	X		GHS	2							5-340097 1 to 2
SO2	11/3	00:00	X		RVHS	2							5-340095 1 to 2
SO3	11/3	00:00	X		ADDAVILLE	2							5-340094 1 to 2
													Guiding Hands school
													Serial # 3012, AVG P_{STG} = 18.5 inches of H_2O
													Serial # 3013, AVG P_{STG} = 18.5 inches of H_2O
													RVHS
													Serial # 3009, AVG P_{STG} = 19.1 inches of H_2O
													Addaville
													Serial # 3011, AVG P_{STG} = 19.8 inches of H_2O

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Ship To:
Mike Murphy	11-6-01 15:22	William Sayo Jr	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	ATTN:
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) William Sayo Jr — Date / Time 11/16/01 12:15pm	Airbill Number UPS#1Z40119901 4019 1260
			Chain of Custody Seal Numbers

5-140023

Project No. 02AH18 **Project Name** CHESHIRE MONITORING STUDY 90/10A

AIR 20020016 ARRIVAL DATE: [redacted] 11/16/2001 DUE DATE 12/7/2001

Sampler
Mike Murphy

Cooler ID 02AH181 **Page** 5-140023

Sample Id:	Station	Date / Time	Grab / Comp	Station Location	No Bottles	Tag Numbers
02AH18DO1	DO1	03/11/2001 00:00:00	◯ Grab ● Com	GHS	2	5-340096 1 to 2

Bottle No. 1 **Parameter** Metal analysis by ICP

Bottle No. 2 **Parameter** PM10

Sample Id:	Station	Date / Time	Grab / Comp	Station Location	No Bottles	Tag Numbers
02AH18SO1	SO1	03/11/2001 00:00:00	◯ Grab ● Com	GHS	2	5-340097 1 to 2

Bottle No. 1 **Parameter** Metal analysis by ICP

Bottle No. 2 **Parameter** PM10

Sample Id:	Station	Date / Time	Grab / Comp	Station Location	No Bottles	Tag Numbers
02AH18SO2	SO2	03/11/2001 00:00:00	◯ Grab ● Com	RVHS	2	5-340095 1 to 2

Bottle No. 1 **Parameter** Metal analysis by ICP

Bottle No. 2 **Parameter** PM10

Sample Id:	Station	Date / Time	Grab / Comp	Station Location	No Bottles	Tag Numbers
02AH18SO3	SO3	03/11/2001 00:00:00	◯ Grab ● Com	ADDAVILLE	2	5-340094 1 to 2

Bottle No. 1 **Parameter** Metal analysis by ICP

Bottle No. 2 **Parameter** PM10

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT FOR THE TEAM: ANALYTICAL AND INORGANIC (A&I)

DIVISION/BRANCH: AIR DIVISION **SAMPLING DATE:** 11/03/2001 **LAB ARRIVAL DATE:** 11/16/2001 **DUE DATE:** 12/07/2001
DU NUMBER: 90101A **DATA SET NUMBER:** 20020016 **STUDY:** CHESHIRE MONITORING STUDY **PRIORITY:** 1 **LABORATORY :**CRL

SAMPLE #	CRL LOG NUMBER	SAMPLE DESCRIPTION	SUSPENDED PARTICLE (g/filter)			
1	2002AH18S01	GUIDING HANDS SCHOOL	0.0045			
2	2002AH18D01	GUIDING HANDS SCHOOL	0.0075			
3	2002AH18S02	RVHS	0.0166			
4	2002AH18S03	ADDAVILLE	0.0222			
DATE OF ANALYSIS			11/26-29/2001			
ANALYST			FAA			

Reviewed by: EJS Date: 11/30/01

ATTACHMENT II

CRL Analytical and Inorganics Data Review Checklist

Batch Number: 20010016 Facility: CHESHIRE MONITORING STUDY

Parameter: SUSPENDED PARTICLES CRL SOP: A1G047

Package Overview:	YES	NO
Raw Data Package Complete?	✓	
Results Reported Correctly?	✓	
Special Requests Done?	N/A	
Calculations Checked?	✓	
Calibration Not Exceeded?	N/A	
Manual Peak Integration performed? Circle one IC or GC and Check	N/A	
Field QC Checked?	N/A	
Quality Control:		
Holding Times Met?	N/A	
Preservation Checked?	N/A	
Proper Digestion Verified?	N/A	
Initial Instrument Performance Checks Verified?	✓	
Calibration Verification Checked?	N/A	
Sample-Specific QC (Internal Standards or Analytical Spikes) Okay?	N/A	
Matrix QC Checked?	N/A	
Digestion Blanks Checked?	N/A	
Spiked Blank Checked?	N/A	
LCS (if applicable) Checked?	N/A	
QCS (if applicable) Checked?	N/A	
Final Check		
Technical Review Done?	✓	
Narrative Complete?	✓	

Analyst: FAR. Peer Reviewer: E.S

Date: 11/30/01 Date: 11/30/01

Comments Attached? (Y/N) N

Data Set Number:	*20020016*	**Parameter:**	*Suspended Particles*
Facility Name:	*CHESHIRE MONITORING STUDY*		
Study Name:	*CHESHIRE MONITORING STUDY*		
Date of Narrative:	*11/30/2001*	**Analyst:**	*FAA*
		Signature:	FAA

ANALYSIS CASE NARRATIVE

Four (4) exposed filters were received for suspended particle analysis at the Central Regional Laboratory (CRL) on November 16, 2001. Those filters were fractions of clean filters, prepared at the CRL and sent to the field for exposure. Filter identification numbers and other pertinent information obtained from the individual filters and packaging envelopes are presented in the table below.

Filters ID	Samples ID	Tag Number
Q6280035	2002AH18S01	5-340097-2
Q6280036	2002AH18D01	5-340096-2
Q6280037	2002AH18S02	5-340095-2
Q6280038	2002AH18S03	5-340094-2

Filter equilibrations and final weighting of exposed filters were performed according to CRL.SOP AIG047. Analysis of exposed filters began on 11/26/2001 and was completed on 11/29/2001. All exposed filters were in good conditions.

QUALITY CONTROL (QC):

Analysis results were evaluated using the QC requirements of CRL.SOP AIG047. All the required quality control criteria for the laboratory, method, and system performance audits were evaluated and determined to be within the limits.

SAMPLE RESULTS:

All the sample results are acceptable for use.

ELECTRONIC DATA:

No electronic data.

CHESHIRE AIR MONITORING PROJECT
PM10

Parameter: Suspended Particles

Data Set Numbers: 20020016 & 20020017

Date of Analysis11/26-29/2001

Analyst: FAA

BALANCE VERIFICATION:

Sandard Weights Actual (g)	Balanced weight Balanced (g)	Differences (g)
		Limit +/-0.0005 g
Data set Number 20010071,72,73		
1.0000	1.0000	0.0000
2.0000	1.9999	0.0001
5.0000	5.0000	0.0000

QC-SUMMARY FOR EXPOSED FILTERS

Filter ID Number	CRL Sample I.D Number	Sampling Date	ANALYST	Exposed weight (g)
Data set Number 20020016, 20020017				
Q6280035	2002AH18S03	11/03/01	Analyst 1	4.3834
Q6280035	2002AH18S03	11/03/01	Analyst 2	4.3835
Differences (Limit +/- 5 mg).....				-0.0001
Q6280129	2002AH19S03	11/09/01	Analyst 1	4.3893
Q6280129	2002AH19S03	11/09/01	Analyst 2	4.3896
Differences (Limit +/- 5 mg).....				-0.0003

CHESHIRE AIR MONITORING PROJECT
PM10

Filter ID Number	CRL Sample I.D Number	Sampling Date	Station Location	Sampler SN	Pstg Avg	P1/Pa	Total Volume (M^3)	Pre Weight of filters (g)	Exposed weight (g)	Weight Gain	PM10 (UG/M^3)
Data set Number 20020016											
Q6280035	2002AH18S01	11/03/01	Guiding Hands School	3012	18.50		**0.00**	4.3789	4.3834	0.0045	ERR
Q6280036	2002AH18D01	11/03/01	Guiding Hands School	3013	18.50		**0.00**	4.3718	4.3793	0.0075	ERR
G6280037	2002AH18S02	11/03/01	RVHS	3009	19.10		**0.00**	4.3934	4.4100	0.0166	ERR
Q6280038	2002AH18S03	11/03/01	ADDAVILLE	3011	19.80		**0.00**	4.3721	4.3943	0.0222	ERR
Data set Number 20020017											
Q6280130	2002AH19S01	11/09/01	Guiding Hands School	3012	19.00		**0.00**	4.3693	4.3893	0.0200	ERR
Q6280131	2002AH19D01	11/09/01	Guiding Hands School	3013	19.05		**0.00**	4.3778	4.3988	0.0210	ERR
G6280128	2002AH19S02	11/09/01	RVHS	3009	18.75		**0.00**	4.3410	4.3619	0.0209	ERR
Q6280129	2002AH19S03	11/09/01	ADDAVILLE	3011	18.75		**0.00**	4.3565	4.3697	0.0132	ERR

Filters ID	Tare Wt (g)	Dep. Wt (g)	Exposed Wt (g)	Exposed Dep Wt (g)	Comments
Q6280058	4.3739	~~4.4361~~	~~4.4301~~ from 10/23/01	~~4.4180~~ from 10/26/01	4.4128
Q6280057	4.3783	~~4.4400~~	~~4.4301~~	~~4.4232~~	4.4211 E.S 4.4209
Q6280056	4.3396		4.3606 from 10/23/01		
Q6280055	4.3613		4.3789		
Q6280054	4.3664		4.3919 from 10/26/01	4.3914 E.S	
Q6280053	4.3510		4.3771		
Q6280052	4.3396		4.3474	4.3476 E.S	
Q6280051	4.3707	4.3709 E.S	4.3795		large tear
Q6280050	4.3779		4.3870		
Q6280048	4.3727		4.3813		small tear
Q6280047	4.3918	4.3915 E.S	4.4342	4.4346 E.S	
Q6280046	4.3672		4.3994		
Q6280045	4.3746		4.4216 from 11/16/2001		
Q6280043	4.3984		4.4345		
Q6280042	4.3560		4.3751		
Q6280041	4.3753		4.3973		
Q6280040	4.3934		4.3978		
Q6280039	4.3713		4.3935	4.3940 E.S	
Q6280038	4.3721		4.3943		
Q6280037	4.3934		4.4100		
Q6280036	4.3718	4.3712 E.S	4.3799 from 11/20/01		
Q6280035	4.3789		4.3834	4.3835 E.S	
Q6280034	4.3436				
Q6280033	4.3729				

TUESDAY
WEDNESDAY
THURSDAY
FRIDAY
SATURDAY
SUNDAY
MONDAY
NIGHT
NOON
REL. HUMIDITY
TEMP.
°F.
%R.H.
CHART 22-0413
PRINTED IN U.S.A.

General information	Standard weights, actual (g)	Balanced weights, balanced (g)
METTLER TOLEDO	0.1000	0.1000
AG285	0.5000	0.5000
S/N 1120181838	2.0000	2.0000
11/16/01 FAA	5.0000	5.0000
SARTORIOUS	1.0000 (500+200+200+100 mg)	1.0000
S/N 37010119	2.0000	2.0000
11/16/01 FAA	5.0000	4.9999
METTLER TOLEDO	5.0000	5.0000
AG285	10.0000	10.0000
S/N 1120181838	20.0000	20.0000 FAA 11/27/01
11/27/01 FAA	50.0000	50.0002
~~Mat~~ AND HF2000	100.00	100.00
S/N 12840548	200.00	199.99
11/28/01 AO.	500.00	499.95
	700.00	699.94
	50.00	50.00
SARTORIOUS	1.0000	1.0000
S/N 37010119	2.0000	1.9999
11/29/01 FAA	5.0000	5.0000

US EPA Region 5 Field Sample

5-340098-2

Parameters PM10

2002 cu17

Preservative None S M MD B D

Sample ID 02AH19S01 X

Sampler Mike Muggs

Date 11-14-01

PM-10 ✓ AIRS [redacted] OPERATOR OEPA DATE 11-9-01

TSP _____ SITE GHS# 3012, Q 6280130

AVG. RECORDER RESP. 19.0 TEMP ____ °C ____ K FINAL WT ____ g

ELAPSED TIME 1440 MINUTES PRESS ____ mmHg INITIAL WT ____ g

FLOW ____ m^3/min TOTAL FLOW ____ m^3 SAMPLE WT ____ g

STD ____ ACTUAL ____ PM-10 ____ ug/m^3

COMMENTS: _____

EPA 3306 (REVISED 10/91)

US EPA Region 5 Field Sample

5-340099-2

Parameters PM10

2W2 CW17

Preservative None S M MD B D

Sample ID 02AH19D01 X

Sampler Mike Murphy

Date 11-14-01

PM-10 ✓ AIRS [redacted] OPERATOR OEPA DATE 11-9-01

TSP _____ SITE GHS # 3013, Q 6280131 Dep

AVG. RECORDER RESP. 11.05 TEMP ____ °C ____ K FINAL WT ____ g

ELAPSED TIME 1440 MINUTES PRESS ____ mmHg INITIAL WT ____ g

FLOW ____ m^3/min TOTAL FLOW ____ m^3 SAMPLE WT ____ g

STD ____ ACTUAL ____ PM-10 ____ ug/m^3

COMMENTS: _____

EPA 3306(REVISED 10/91)

US EPA Region 5 Field Sample

5-340100-2

Parameters PM10

2W2W17

Preservative None S M MD B D

Sample ID 02AH19SO2 X

Sampler Mike Murphy

Date 11-14-01

PM-10 ✓ AIRS [redacted] OPERATOR OEPA DATE 11-9-01

TSP _____ SITE RVHS 3009, Q6280128

AVG. RECORDER RESP. 18.75 TEMP ____ °C ____ K FINAL WT ____ g

ELAPSED TIME 1440 MINUTES PRESS ____ mmHg INITIAL WT ____ g

FLOW ____ m^3/min TOTAL FLOW ____ m^3 SAMPLE WT ____ g

STD ____ ACTUAL ____ PM-10 ____ ug/m^3

COMMENTS: _____

PA 3306(REVISED 10/91)

US EPA Region 5 Field Sample

5-340101-2

Parameters PM10

2002017

Preservative None S M MD B D

Sample ID 02AH19SO3 X

Sampler Mike Murphy

PM-10 ✓ AIRS [redacted] OPERATOR OEPA DATE 11-9-01

TSP _____ SITE Addaville 3011, Q6280129

AVG. RECORDER RESP. 18.75 TEMP ____ °C ____ K FINAL WT ____ g

ELAPSED TIME 1440 MINUTES PRESS ____ mmHg INITIAL WT ____ g

FLOW ____ m^3/min TOTAL FLOW ____ m^3 SAMPLE WT ____ g

STD ____ ACTUAL ____ PM-10 ____ ug/m^3

COMMENTS: _____

EPA 3306(REVISED 10/91)

CENTRAL REGIONAL LABORATORY

Data Checklist

Data Set AIR 20020016 Cheshire Monitoring
Metals

- ☑ Chain-of-Custody
- ☑ Analysis Request Form(s)*
- ☐ Sample Tags
- ☑ Transmittal Report w/signatures of the following
  - Peer reviewer
  - Team Leader review
  - QA/QC Coordinator
  - Data Management Coordinator

* Analysis Request Forms provide the data user a means to connect sample numbers with sampling locations

Prepared by: Sylvia Griffin 1-14-02
Data Management Coordinator

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: JAN 14 2002

Subject: Review of Region 5 Data for **Cheshire Monitoring Study**

From: **John V. Morris, Chemist**
Region 5 Central Regional Laboratory

To:

Attached are the results for: **Cheshire Monitoring Study**

CRL data set number: **20020016**

Samples analyzed for: **Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel and Selenium**

Results are reported for sample designations: **2002AH18S01, 2002AH18D01, 2002AH18S02 and 2002AH18S03**

JAN 14 2002 / /

Data Management Coordinator and Date Received

Date Transmitted: JAN 14 2002 / /

Please have the U.S. EPA Project Manager/Officer complete the Customer Satisfaction Survey, attached, or call the CRL Sample Coordinator at 3-1226.

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:

Rev. 7/23/01

Date: 9 January 2002
Analyst: John V. Morris
Sample Batch Number: 20020016, 20020017 & 20020027
Facility Name: Cheshire Monitoring Study
Analyte: ICP Metals

Narrative for the Analysis of Metals in Air Filters in Batches 20020016, 20020017 & 20020027

On 16 November 2001, two sets of four air filters were received at CRL for analysis for metals. These samples were collected on 3 November 2001 and 9 November 2001. On 13 December 2001, two air filters were received at CRL for analysis for metals. These samples were collected on 21 November 2001. The sample descriptions are:

Batch ID	Sample ID	Serial No.	Station ID
20020016	2002AH18S01	G6093483	GHS
	2002AH18D01	G6093482	GHS
	2002AH18S02	G6093484	RVHS
	2002AH18S03	G6093481	ADDAVILLE
20020017	2002AH19S01	G6092997	GHS
	2002AH19D01	G6092996	GHS
	2002AH19S02	G6092999	RVHS
	2002AH19S03	G6092998	ADDAVILLE
20020027	2002AH21S02	G6092994	GHS
	2002AH21S03	G6092992	GHS

The analysis was limited to the thirteen metals listed on page 15 of the QAPP. It should be noted that on the paperwork for 20020027, all four sampling locations (PM_{10} had all four samples) were labeled GHS. The sample envelopes for 20020027 did say RVHS and ADDAVILLE, however. Some Dixon charts were missing information, but this was added by the analyst.

The samples were prepared on 18 December 2001. Method Metals_006, a hot block adaptation of the beaker digestion given in 40 CFR Part 50, Appendix G, was used for the digestion. The digestion log number was 1341. There are no holding times for the air program.

Only one filter blank was prepared because these were to be the last samples for metals in this study. Although statistical data had been collected for the serial number series used for these samples, the old statistics were used for the blank subtraction, because there was not a great difference in the new statistics. As before, blank subtraction was applied to the elements barium,

Date: 9 January 2002
Analyst: John V. Morris
Sample Batch Number: 20020016, 20020017 & 20020027
Facility Name: Cheshire Monitoring Study
Analyte: ICP Metals

chromium, iron, magnesium and nickel. This was done as described in section 11.2 of the CRL SOP Metals_006 to remove the contribution to the result from the glass fiber filter itself. The reporting limits used for those five elements were derived from ten times the standard deviation of the data used to arrive at the average blank.

The analysis was performed on 3 January 2002 using method Metals_003, using the Perkin-Elmer 3300DV ICP. The analyst mistakenly transposed three of the standards in setting up the tray. That is why the analysis was stopped and restarted during the analysis of the first set of instrument checks. Of the standards mixed up, the standard Cal Ag/K was not re-poured, because neither silver nor potassium was an analyte in this study. For that reason, some audits for those analytes are out of control.

For the thirteen metals reported for this study, all instrument check standards (LCM1, LCM2, Hi AQC) were in control. The blanks showed a few out-of-control audits, but were not of any consequence to the data. Specifically, magnesium was more negative than the MDL for all of the instrument blanks (LCB) straddling the field samples. None of this bias, if compensated for, would result in more than a fraction of a percent change in the magnesium data, so no flag used on this account. The digestion blank (LRB) was high for cobalt, copper, iron, magnesium and manganese, and low for arsenic, again with no effect.

The report level check (RLC) was within 80-120% recovery for most of the 13 elements. Arsenic and magnesium were outside these limits by almost exactly the amount the digestion blank was off. The other instrument checks for these elements were all in control, and the data for magnesium was far above the reporting limits, at least before filter blank subtraction. Arsenic was all below reporting limits, and as stated above, the low bias in that blank, if corrected, would still not result in a reportable value. The duplicate filter digestion was within ±20% for the relative percent difference (RPD) or within ± the MDL for the difference, with the exception of cadmium and nickel, with an absolute difference in the duplicate just greater than the MDL when converted to µg/filter in the duplicate of 2002AH18D01, and for nickel in the duplicate of 2002AH21 S03. Nickel was not at reportable levels in any case, and the only cadmium was more than 10 times the difference observed in the offending duplicate, so no flag was used.

One digest, that for sample 2002AH18S01, was greater than the calibration standard for copper. This sample was diluted two-fold and reanalyzed before the final set of instrument QCs.

No significant spectral interference errors are indicated in the SIC measurements for these samples.

Date: 9 January 2002
Analyst: John V. Morris
Sample Batch Number: 20020016, 20020017 & 20020027
Facility Name: Cheshire Monitoring Study
Analyte: ICP Metals

Again, as with previous batches, the co-located sample pair 2002AH18S01 and 2002AH18D01, as well as the co-located sample pair 2002AH19S01 and 2002AH19D01, results are quite different.

All analytical results files, sample information files and reformat files for ICP analysis can be found on the R5CRL data server using the following path:
h:\r5crl\vol3\metals\jvmorris\20020016_17_27\3300dv\

The narrative, QC summary spreadsheets, sample result calculation spreadsheets and the final sample report for ICP analysis can be found on the R5CRL data server using the following path:
h:\r5crl\vol3\metals\jvmorris\20020016_17_27\reports\

US EPA CRL - Region V
ICP Final Report Results
Air Filters

Sample Number:	2002AH18S01	Station ID:	GHS
Sample Batch Number:	20020016	Study:	Cheshire Monitoring Study
Collection Date:	3 Nov 01	Filter SN:	G6093483
Analysis Date:	3 Jan 02		

Element	Concentration		Units
Arsenic	9	U	µg/filter
Barium	95	U	µg/filter
Beryllium	0.6	U	µg/filter
Cadmium	0.6	U	µg/filter
Chromium	3.14	U	µg/filter
Cobalt	1.2	U	µg/filter
Copper	1300		µg/filter
Iron	287		µg/filter
Lead	8.10		µg/filter
Magnesium	380		µg/filter
Manganese	15.0		µg/filter
Nickel	5.73	U	µg/filter
Selenium	18	U	µg/filter

JVM
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US EPA CRL - Region V
ICP Final Report Results
Air Filters

Sample Number:	2002AH18D01	Station ID:	GHS
Sample Batch Number:	20020016	Study:	Cheshire Monitoring Study
Collection Date:	3 Nov 01	Filter SN:	G6093482
Analysis Date:	3 Jan 02		

Element	Concentration		Units
Arsenic	9	U	µg/filter
Barium	95	U	µg/filter
Beryllium	0.6	U	µg/filter
Cadmium	0.6	U	µg/filter
Chromium	3.14	U	µg/filter
Cobalt	1.2	U	µg/filter
Copper	109		µg/filter
Iron	602		µg/filter
Lead	7.85		µg/filter
Magnesium	479		µg/filter
Manganese	23.7		µg/filter
Nickel	5.73	U	µg/filter
Selenium	18	U	µg/filter

JVM
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US EPA CRL - Region V
ICP Final Report Results
Air Filters

Sample Number:	2002AH18S02	Station ID:	RVHS
Sample Batch Number:	20020016	Study:	Cheshire Monitoring Study
Collection Date:	3 Nov 01	Filter SN:	G6093484
Analysis Date:	3 Jan 02		

Element	Concentration		Units
Arsenic	9	U	µg/filter
Barium	95	U	µg/filter
Beryllium	0.6	U	µg/filter
Cadmium	1.74		µg/filter
Chromium	3.14	U	µg/filter
Cobalt	1.2	U	µg/filter
Copper	97.3		µg/filter
Iron	529		µg/filter
Lead	6	U	µg/filter
Magnesium	440		µg/filter
Manganese	25.6		µg/filter
Nickel	5.73	U	µg/filter
Selenium	18	U	µg/filter

JVM
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US EPA CRL - Region V
ICP Final Report Results
Air Filters

Sample Number:	2002AH18S03	Station ID:	ADDAVILLE
Sample Batch Number:	20020016	Study:	Cheshire Monitoring Study
Collection Date:	3 Nov 01	Filter SN:	G6093481
Analysis Date:	3 Jan 02		

Element	Concentration		Units
Arsenic	9	U	µg/filter
Barium	95	U	µg/filter
Beryllium	0.6	U	µg/filter
Cadmium	0.6	U	µg/filter
Chromium	3.14	U	µg/filter
Cobalt	1.2	U	µg/filter
Copper	506		µg/filter
Iron	492		µg/filter
Lead	6	U	µg/filter
Magnesium	775		µg/filter
Manganese	23.7		µg/filter
Nickel	5.73	U	µg/filter
Selenium	18	U	µg/filter

JM
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CRL Metals Data Review Checklist

Batch Number: 20020016.17&27 Facility: Cheshire Monitoring Study

Parameter: ICP (Air)

Package Overview:	Review:	
	Analyst	Peer
Raw Data Package Complete?	✓	✓
Results Reported Correctly?	✓	✓
Special Requests Done?	✓	✓
Calculations Checked?	✓	✓
Calibration Not Exceeded?	✓	✓
Field QC Checked?	✓	✓
Quality Control:		
Holding Times Met?	NA	—
Preservation Checked?	NA	—
Proper Digestion Verified?	✓	✓
Initial Instrument Performance Checks Verified?	✓	✓
Calibration Verification Checked?	✓	✓
Sample-Specific QC (Internal Standards or Analytical Spikes) Okay?	✓	✓
Matrix QC Checked?	✓	✓
Digestion Blanks Checked?	✓	✓
Spiked Blank Checked?	✓	✓
LCS (if applicable) Checked?	NA	—
Species QC (if applicable) Checked?	NA	—
Final Check:		
Technical Review Done?	✓	—
Narrative Complete? (See sect. 7 of data review SOP, HK005)	✓	✓

Analyst: [signature] Date: 10 Jan 02

Peer Reviewer: K Swan Date: 01 11 02

CRL Form Version 03.1/00

Comments Attached? (Y/N) N

Sample Batch Number: 20020016 & 20020017 & 20020027
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

Sample I D	Date	Time	Aliquot Vol.	Diluted To Vol.
Calib Blank 1	01/03/2002	09:27:22 AM		
Cal 1	01/03/2002	09:31:51 AM		
Cal 2	01/03/2002	09:36:14 AM		
Cal 3	01/03/2002	09:40:07 AM		
Cal 4	01/03/2002	09:43:59 AM		
Cal Ag/K	01/03/2002	09:47:55 AM		
Cal 5	01/03/2002	09:51:20 AM		
Hi Cal	01/03/2002	09:55:22 AM		
wash	01/03/2002	09:58:55 AM		
BLANK	01/03/2002	10:03:34 AM		
LCM1	01/03/2002	10:08:00 AM		
LCM2	01/03/2002	10:12:31 AM		
Calib Blank 1	01/03/2002	10:23:24 AM		
Cal 1	01/03/2002	10:27:52 AM		
Cal 2	01/03/2002	10:32:18 AM		
Cal 3	01/03/2002	10:36:11 AM		
Cal 4	01/03/2002	10:39:37 AM		
Cal Ag/K	01/03/2002	10:43:33 AM		
Cal 5	01/03/2002	10:46:58 AM		
Hi Cal	01/03/2002	10:50:57 AM		
wash	01/03/2002	10:54:30 AM		
BLANK	01/03/2002	10:59:02 AM		
LCM1	01/03/2002	11:03:29 AM		
LCM2	01/03/2002	11:08:02 AM		
Hi AQC	01/03/2002	11:12:30 AM		
wash	01/03/2002	11:17:17 AM		
RLC	01/03/2002	11:21:50 AM		
SI CCoV	01/03/2002	11:26:20 AM		
SI CCe	01/03/2002	11:30:51 AM		
SI CCr	01/03/2002	11:35:17 AM		
SI CFe	01/03/2002	11:39:48 AM		
SI CMn	01/03/2002	11:45:34 AM		
SI CMo	01/03/2002	11:50:30 AM		
SI CNi	01/03/2002	11:55:27 AM		
SI CTi	01/03/2002	12:01:05 PM		
wash	01/03/2002	12:06:02 PM		
BLANK	01/03/2002	12:10:58 PM		
LCM1	01/03/2002	12:15:25 PM		
LCM2	01/03/2002	12:19:56 PM		
Hi AQC	01/03/2002	12:24:24 PM		
wash	01/03/2002	12:29:11 PM		
LRB	01/03/2002	12:33:44 PM		
LFB	01/03/2002	12:38:07 PM		
Filter Blank	01/03/2002	12:42:38 PM		
Filter Blank Spk	01/03/2002	12:47:07 PM		
2002AH18S01	01/03/2002	12:51:39 PM		
2002AH18D01	01/03/2002	12:56:11 PM		

Calibration standards out of order - run restarted
JVM

JVM
9 Jan 02

2002AH18D01 Dup	01/03/2002	01:00:42 PM		
2002AH18S02	01/03/2002	01:05:15 PM		
2002AH18S03	01/03/2002	01:09:48 PM		
2002AH19S01	01/03/2002	01:14:22 PM		
wash	01/03/2002	01:19:23 PM		
BLANK	01/03/2002	01:25:05 PM		
LCM1	01/03/2002	01:30:37 PM		
LCM2	01/03/2002	01:35:34 PM		
Hi AQC	01/03/2002	01:40:02 PM		
wash	01/03/2002	01:44:49 PM		
2002AH19D01	01/03/2002	01:49:22 PM		
2002AH19S02	01/03/2002	01:53:49 PM		
2002AH19S02 Dup	01/03/2002	01:58:17 PM		
2002AH19S03	01/03/2002	02:02:46 PM		
2002AH21S02	01/03/2002	02:07:15 PM		
2002AH21S03	01/03/2002	02:11:46 PM		
2002AH21S03 Dup	01/03/2002	02:16:17 PM		
2002AH18S01 2X	01/03/2002	02:20:48 PM	10	20
wash	01/03/2002	02:25:18 PM		
BLANK	01/03/2002	02:29:50 PM		
LCM1	01/03/2002	02:34:17 PM		
LCM2	01/03/2002	02:38:48 PM		
Hi AQC	01/03/2002	02:43:16 PM		

Jvm
9 Jan 02

METALS SAMPLE PREPARATION RECORD

Prepared by: JV Morris
Digestion Method: Metals 006

Run Number: 1341
Date: 18 Dec 01

Vessel Number	Data Set Number	Sample Number	pH < 2?	Sample Description (Color, Clarity, Texture, Artifacts, etc...)		Remarks
			Y/N*	Before Prep.	After Prep.	
1		LRB				
2		LFB				
3		Filterblank	NA			G6009100
4		Filterblank Spk				G6009100
5	20020016	2002AH18S01				G6093483
6		2002AH18D01				G6093482
7		18D01 Dup				G6093482
8		2002AH18S02				G6093484
9		2002AH18S03				G6093481
10	20020017	2002AH19S01				G6092997
11		2002AH19D01				G6092996
12		2002AH19S02				G6092999
13		19S02 Dup				G6092999
14		2002AH19S03				G6092998
15	20020027	2002AH21S02				G6092994
16		2002AH21S03				G6092992
17		S03 Dup				G6092992

* 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.

Comments:

Instrument Blank First

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

			MDL	
LCB	Ag 328.068	-0.00021	0.00041	
10:59:02 AM	Ag 338.289	0.00042	0.00051	
	Al 308.215	0.01159	0.02200	
	Al 396.153	-0.00239	0.01600	
	As 193.696	-0.00198	0.00340	
	B 249.677	-0.00614	0.01200	
	Ba 455.403	-0.00011	0.00050	
	Be 313.042	0.00003	0.00015	
	Ca 315.887	0.00647	0.01400	
	Cd 226.502	0.00006	0.00014	
	Co 228.616	0.00032	0.00050	
	Cr 267.716	-0.00011	0.00082	
	Cu 327.393	0.00002	0.00110	
	Fe 259.939	0.00056	0.00540	
	Fe 273.955	0.00210	0.00850	
	K 766.490	0.37172	0.24000	out
	Li 670.784	0.00129	0.00620	
	Mg 279.077	0.00773	0.02700	
	Mg 280.271	0.00034	0.00140	
	Mn 257.610	-0.00012	0.00050	
	Na 589.592	0.27787	0.12000	out
	Ni 231.604	-0.00017	0.00040	
	Pb 220.353	0.00205	0.00220	
	Sb 206.836	0.00103	0.00120	
	Se 196.026	0.00181	0.00620	
	Sr 407.771	-0.00007	0.00020	
	V 310.230	-0.00015	0.00180	
	Zn 213.857	-0.00043	0.01400	

pm
9 Jan 02

Instrument Blank Second

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

			MDL	
LCB	Ag 328.068	-0.00015	0.00041	
12:10:58 PM	Ag 338.289	0.00060	0.00051	out
	Al 308.215	0.00498	0.02200	
	Al 396.153	-0.00067	0.01600	
	As 193.696	-0.00254	0.00340	
	B 249.677	-0.00772	0.01200	
	Ba 455.403	0.00008	0.00050	
	Be 313.042	-0.00006	0.00015	
	Ca 315.887	0.00016	0.01400	
	Cd 226.502	-0.00005	0.00014	
	Co 228.616	0.00018	0.00050	
	Cr 267.716	-0.00005	0.00082	
	Cu 327.393	-0.00038	0.00110	
	Fe 259.939	-0.00284	0.00540	
	Fe 273.955	-0.00154	0.00850	
	K 766.490	-0.59449	0.24000	out
	Li 670.784	-0.00165	0.00620	
	Mg 279.077	-0.00705	0.02700	
	Mg 280.271	-0.00295	0.00140	out
	Mn 257.610	-0.00013	0.00050	
	Na 589.592	-0.15225	0.12000	out
	Ni 231.604	-0.00027	0.00040	
	Pb 220.353	-0.00068	0.00220	
	Sb 206.836	0.00036	0.00120	
	Se 196.026	-0.00394	0.00620	
	Sr 407.771	-0.00004	0.00020	
	V 310.230	-0.00508	0.00180	out
	Zn 213.857	-0.00175	0.01400	

JM
9 Jan 02

Instrument Blank Third

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

			MDL	
LCB	Ag 328.068	-0.00032	0.00041	
01:25:05 PM	Ag 338.289	0.00034	0.00051	
	Al 308.215	0.01124	0.02200	
	Al 396.153	-0.00762	0.01600	
	As 193.696	-0.00265	0.00340	
	B 249.677	0.00342	0.01200	
	Ba 455.403	-0.00009	0.00050	
	Be 313.042	-0.00005	0.00015	
	Ca 315.887	0.00058	0.01400	
	Cd 226.502	-0.00002	0.00014	
	Co 228.616	-0.00001	0.00050	
	Cr 267.716	-0.00007	0.00082	
	Cu 327.393	0.00077	0.00110	
	Fe 259.939	-0.00421	0.00540	
	Fe 273.955	-0.00360	0.00850	
	K 766.490	-0.14855	0.24000	
	Li 670.784	-0.00144	0.00620	
	Mg 279.077	-0.02238	0.02700	
	Mg 280.271	-0.00446	0.00140	out
	Mn 257.610	-0.00014	0.00050	
	Na 589.592	0.17601	0.12000	out
	Ni 231.604	-0.00010	0.00040	
	Pb 220.353	-0.00080	0.00220	
	Sb 206.836	-0.00027	0.00120	
	Se 196.026	-0.00085	0.00620	
	Sr 407.771	-0.00002	0.00020	
	V 310.230	-0.00645	0.00180	out
	Zn 213.857	-0.00235	0.01400	

JWS
9 Jan 02

Instrument Blank Fourth

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

			MDL	
LCB	Ag 328.068	-0.00021	0.00041	
02:29:50 PM	Ag 338.289	0.00014	0.00051	
	Al 308.215	0.00379	0.02200	
	Al 396.153	-0.00487	0.01600	
	As 193.696	-0.00227	0.00340	
	B 249.677	0.00089	0.01200	
	Ba 455.403	-0.00006	0.00050	
	Be 313.042	-0.00008	0.00015	
	Ca 315.887	-0.00121	0.01400	
	Cd 226.502	-0.00003	0.00014	
	Co 228.616	0.00002	0.00050	
	Cr 267.716	-0.00011	0.00082	
	Cu 327.393	0.00047	0.00110	
	Fe 259.939	-0.00404	0.00540	
	Fe 273.955	-0.00299	0.00850	
	K 766.490	-0.26411	0.24000	out
	Li 670.784	-0.00176	0.00620	
	Mg 279.077	-0.00136	0.02700	
	Mg 280.271	-0.00467	0.00140	out
	Mn 257.610	-0.00022	0.00050	
	Na 589.592	0.13406	0.12000	out
	Ni 231.604	-0.00017	0.00040	
	Pb 220.353	-0.00120	0.00220	
	Sb 206.836	0.00037	0.00120	
	Se 196.026	-0.00135	0.00620	
	Sr 407.771	-0.00008	0.00020	
	V 310.230	-0.00821	0.00180	out
	Zn 213.857	-0.00168	0.01400	

JM
9 Jan 02

Instrument QC First

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

LCM1	Al 396.153	1.05988	1.00000	105.99%
11:03:29 AM	As 193.696	2.02048	2.00000	101.02%
	B 249.677	0.95734	1.00000	95.73%
	Ba 455.403	1.03767	1.00000	103.77%
	Be 313.042	0.97396	1.00000	97.40%
	Cd 226.502	0.98182	1.00000	98.18%
	Co 228.616	0.99231	1.00000	99.23%
	Cr 267.716	1.00059	1.00000	100.06%
	Cu 327.393	0.94999	1.00000	95.00%
	Fe 259.939	0.98963	1.00000	98.96%
	Li 670.784	1.00408	1.00000	100.41%
	Mg 280.271	0.99874	1.00000	99.87%
	Mn 257.610	1.03242	1.00000	103.24%
	Ni 231.604	0.99785	1.00000	99.78%
	Pb 220.353	1.99953	2.00000	99.98%
	Sb 206.836	1.84262	2.00000	92.13%
	Se 196.026	1.03678	1.00000	103.68%
	Sr 407.771	1.02548	1.00000	102.55%
	V 310.230	0.98090	1.00000	98.09%
	Zn 213.857	0.98604	1.00000	98.60%
LCM2	Ag 328.068	0.06566	0.05000	131.32%
11:08:02 AM	Ag 338.289	0.06594	0.05000	131.89%
Hi AQC	Al 308.215	94.598	100.000	94.60%
11:12:30 AM	Ca 315.887	100.438	100.000	100.44%
	Fe 273.955	101.665	100.000	101.66%
	K 766.490	135.160	100.000	135.16%
	Mg 279.077	57.469	60.000	95.78%
	Na 589.592	96.953	100.000	96.95%

JVM
9 Jan 02

Instrument QC Second

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

LCM1	Al 396.153	1.03033	1.00000	103.03%
12:15:25 PM	As 193.696	2.04746	2.00000	102.37%
	B 249.677	0.92897	1.00000	92.90%
	Ba 455.403	1.02804	1.00000	102.80%
	Be 313.042	0.95068	1.00000	95.07%
	Cd 226.502	0.99459	1.00000	99.46%
	Co 228.616	0.99821	1.00000	99.82%
	Cr 267.716	1.01643	1.00000	101.64%
	Cu 327.393	0.98529	1.00000	98.53%
	Fe 259.939	0.95876	1.00000	95.88%
	Li 670.784	0.99114	1.00000	99.11%
	Mg 280.271	0.97726	1.00000	97.73%
	Mn 257.610	1.00838	1.00000	100.84%
	Ni 231.604	1.01921	1.00000	101.92%
	Pb 220.353	2.01352	2.00000	100.68%
	Sb 206.836	1.85861	2.00000	92.93%
	Se 196.026	1.05206	1.00000	105.21%
	Sr 407.771	1.02676	1.00000	102.68%
	V 310.230	1.00325	1.00000	100.33%
	Zn 213.857	0.95914	1.00000	95.91%
LCM2	Ag 328.068	0.06387	0.05000	127.74%
12:19:56 PM	Ag 338.289	0.06468	0.05000	129.36%
Hi AQC	Al 308.215	93.088	100.000	93.09%
12:24:24 PM	Ca 315.887	98.745	100.000	98.75%
	Fe 273.955	99.817	100.000	99.82%
	K 766.490	134.178	100.000	134.18%
	Mg 279.077	56.035	60.000	93.39%
	Na 589.592	96.428	100.000	96.43%

JM
9 Jan 02

Instrument QC Third

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

LCM1	Al 396.153	1.03320	1.00000	103.32%
01:30:37 PM	As 193.696	2.01164	2.00000	100.58%
	B 249.677	0.94145	1.00000	94.14%
	Ba 455.403	1.02036	1.00000	102.04%
	Be 313.042	0.94352	1.00000	94.35%
	Cd 226.502	0.97682	1.00000	97.68%
	Co 228.616	0.96337	1.00000	96.34%
	Cr 267.716	0.99260	1.00000	99.26%
	Cu 327.393	0.95921	1.00000	95.92%
	Fe 259.939	0.95374	1.00000	95.37%
	Li 670.784	0.98321	1.00000	98.32%
	Mg 280.271	0.97210	1.00000	97.21%
	Mn 257.610	0.99815	1.00000	99.81%
	Ni 231.604	0.99938	1.00000	99.94%
	Pb 220.353	1.96529	2.00000	98.26%
	Sb 206.836	1.83328	2.00000	91.66%
	Se 196.026	1.02741	1.00000	102.74%
	Sr 407.771	1.03215	1.00000	103.21%
	V 310.230	0.97438	1.00000	97.44%
	Zn 213.857	0.96267	1.00000	96.27%
LCM2	Ag 328.068	0.06326	0.05000	126.52%
01:35:34 PM	Ag 338.289	0.06364	0.05000	127.27%
Hi AQC	Al 308.215	92.062	100.000	92.06%
01:40:02 PM	Ca 315.887	97.222	100.000	97.22%
	Fe 273.955	98.238	100.000	98.24%
	K 766.490	133.445	100.000	133.44%
	Mg 279.077	55.263	60.000	92.11%
	Na 589.592	95.478	100.000	95.48%

MM
9 Jan 02

Instrument QC Fourth

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

LCM1	Al 396.153	1.03732	1.00000	103.73%
02:34:17 PM	As 193.696	2.02764	2.00000	101.38%
	B 249.677	0.92901	1.00000	92.90%
	Ba 455.403	1.02072	1.00000	102.07%
	Be 313.042	0.94468	1.00000	94.47%
	Cd 226.502	0.97452	1.00000	97.45%
	Co 228.616	0.95650	1.00000	95.65%
	Cr 267.716	0.98594	1.00000	98.59%
	Cu 327.393	0.94943	1.00000	94.94%
	Fe 259.939	0.95365	1.00000	95.37%
	Li 670.784	0.99271	1.00000	99.27%
	Mg 280.271	0.96967	1.00000	96.97%
	Mn 257.610	0.99182	1.00000	99.18%
	Ni 231.604	1.00028	1.00000	100.03%
	Pb 220.353	1.96188	2.00000	98.09%
	Sb 206.836	1.83449	2.00000	91.72%
	Se 196.026	1.02117	1.00000	102.12%
	Sr 407.771	1.04616	1.00000	104.62%
	V 310.230	0.96462	1.00000	96.46%
	Zn 213.857	0.95216	1.00000	95.22%
LCM2	Ag 328.068	0.06417	0.05000	128.35%
02:38:48 PM	Ag 338.289	0.06550	0.05000	130.99%
Hi AQC	Al 308.215	92.346	100.000	92.35%
02:43:16 PM	Ca 315.887	97.500	100.000	97.50%
	Fe 273.955	98.536	100.000	98.54%
	K 766.490	134.409	100.000	134.41%
	Mg 279.077	55.898	60.000	93.16%
	Na 589.592	95.844	100.000	95.84%

Jm
9 Jan 02

Report Level Check

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

RLC	Ag 328.068	0.00244	0.00200	121.87%
	Ag 338.289	0.00218	0.00200	108.81%
	Al 308.215	0.07717	0.06000	128.62%
	Al 396.153	0.07623	0.06000	127.04%
	As 193.696	0.01139	0.01500	75.90%
	B 249.677	0.05149	0.04000	128.73%
	Ba 455.403	0.00236	0.00200	117.99%
	Be 313.042	0.00093	0.00100	93.38%
	Ca 315.887	0.11747	0.03000	391.57%
	Cd 226.502	0.00103	0.00100	103.26%
	Co 228.616	0.00233	0.00200	116.58%
	Cr 267.716	0.00307	0.00300	102.39%
	Cu 327.393	0.00462	0.00400	115.52%
	Fe 259.939	0.02316	0.02000	115.79%
	Fe 273.955	0.02680	0.02000	134.02%
	K 766.490	1.24038	0.80000	155.05%
	Li 670.784	0.02442	0.02500	97.69%
	Mg 279.077	0.00923	0.00500	184.50%
	Mg 280.271	0.02230	0.00500	445.98%
	Mn 257.610	0.00226	0.00200	113.20%
	Na 589.592	0.52405	0.40000	131.01%
	Ni 231.604	0.00223	0.00200	111.56%
	Pb 220.353	0.00995	0.01000	99.48%
	Sb 206.836	0.00317	0.00400	79.18%
	Se 196.026	0.03142	0.03000	104.74%
	Sr 407.771	0.00129	0.00100	129.33%
	V 310.230	0.00340	0.00600	56.74%
	Zn 213.857	0.05359	0.04500	119.08%

JVM
9Jan02

Digestion Blank

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

			MDL	
LRB	Ag 328.068	-0.00017	0.00041	
	Ag 338.289	0.00036	0.00051	
	Al 308.215	0.02327	0.02200	out
	Al 396.153	0.01708	0.01600	out
	As 193.696	-0.00459	0.00340	out
	B 249.677	-0.00279	0.01200	
	Ba 455.403	0.00032	0.00050	
	Be 313.042	-0.00009	0.00015	
	Ca 315.887	0.09215	0.01400	out
	Cd 226.502	-0.00014	0.00014	
	Co 228.616	0.00053	0.00050	out
	Cr 267.716	0.00039	0.00082	
	Cu 327.393	0.00139	0.00110	out
	Fe 259.939	0.02141	0.00540	out
	Fe 273.955	0.02248	0.00850	out
	K 766.490	-0.47999	0.24000	out
	Li 670.784	-0.00668	0.00620	out
	Mg 279.077	0.02639	0.02700	
	Mg 280.271	0.02833	0.00140	out
	Mn 257.610	0.00118	0.00050	out
	Na 589.592	-0.09612	0.12000	
	Ni 231.604	0.00032	0.00040	
	Pb 220.353	-0.00077	0.00220	
	Sb 206.836	0.00004	0.00120	
	Se 196.026	0.00177	0.00620	
	Sr 407.771	0.00001	0.00020	
	V 310.230	-0.00532	0.00180	out
	Zn 213.857	0.02273	0.01400	out

JVM
9 Jan 02

Spiked Blank

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

LFB	Ag 328.068	0.03239	0.02500	130.23%
	Ag 338.289	0.03232	0.02500	127.83%
	Al 308.215	0.96210	1.00000	93.88%
	Al 396.153	1.06478	1.00000	104.77%
	As 193.696	0.20860	0.20000	106.60%
	B 249.677	0.87549	1.00000	87.83%
	Ba 455.403	0.20136	0.20000	100.52%
	Be 313.042	0.00931	0.01000	93.98%
	Ca 315.887	50.47216	50.00000	100.76%
	Cd 226.502	0.04775	0.05000	95.79%
	Co 228.616	0.09437	0.10000	93.84%
	Cr 267.716	0.10042	0.10000	100.03%
	Cu 327.393	0.09749	0.10000	96.10%
	Fe 259.939	0.99112	1.00000	96.97%
	Fe 273.955	1.07558	1.00000	105.31%
	K 766.490	33.39570	25.00000	135.50%
	Li 670.784	0.09227	0.10000	98.95%
	Mg 279.077	19.04956	20.00000	95.12%
	Mg 280.271	18.65864	20.00000	93.15%
	Mn 257.610	0.19565	0.20000	97.24%
	Na 589.592	48.82743	50.00000	97.85%
	Ni 231.604	0.19300	0.20000	96.34%
	Pb 220.353	0.48834	0.50000	97.82%
	Sb 206.836	0.50226	0.50000	100.44%
	Se 196.026	0.48813	0.50000	97.27%
	Sr 407.771	1.02363	1.00000	102.36%
	V 310.230	0.09587	0.10000	101.20%
	Zn 213.857	0.96981	1.00000	94.71%

JVM
9 Jan 02

SPIKE

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

	Element	Units	Sample	Spike	Spike Added	% Recovery
filter blank	Ag 328.068	mg/L	-0.00004	0.03165	0.02500	126.76%
	Ag 338.289	mg/L	-0.00006	0.03235	0.02500	129.65%
	Al 308.215	mg/L	0.99319	1.92845	1.00000	93.53%
	Al 396.153	mg/L	1.04539	2.05257	1.00000	100.72%
	As 193.696	mg/L	-0.00309	0.20485	0.20000	103.97%
	B 249.677	mg/L	0.72981	1.69369	1.00000	96.39%
	Ba 455.403	mg/L	0.24547	0.42911	0.20000	91.82%
	Be 313.042	mg/L	-0.00005	0.00954	0.01000	95.95%
	Ca 315.887	mg/L	3.12968	52.68339	50.00000	99.11%
	Cd 226.502	mg/L	0.00004	0.04717	0.05000	94.26%
	Co 228.616	mg/L	0.00051	0.09083	0.10000	90.32%
	Cr 267.716	mg/L	0.00431	0.10176	0.10000	97.45%
	Cu 327.393	mg/L	0.00424	0.09844	0.10000	94.19%
	Fe 259.939	mg/L	0.09498	1.01582	1.00000	92.08%
	Fe 273.955	mg/L	0.10628	1.13066	1.00000	102.44%
	K 766.490	mg/L	2.05694	35.23232	25.00000	132.70%
	Li 670.784	mg/L	-0.00450	0.09295	0.10000	97.45%
	Mg 279.077	mg/L	0.83553	19.63409	20.00000	93.99%
	Mg 280.271	mg/L	0.85326	19.23812	20.00000	91.92%
	Mn 257.610	mg/L	0.00257	0.19267	0.20000	95.05%
	Na 589.592	mg/L	45.63251	93.01123	50.00000	94.76%
	Ni 231.604	mg/L	0.00127	0.19034	0.20000	94.53%
	Pb 220.353	mg/L	0.00092	0.47925	0.50000	95.67%
	Sb 206.836	mg/L	0.00107	0.43551	0.50000	86.89%
	Se 196.026	mg/L	0.00288	0.47757	0.50000	94.94%
	Sr 407.771	mg/L	0.00288	1.01582	1.00000	101.29%
	V 310.230	mg/L	-0.00613	0.09253	0.10000	98.66%
	Zn 213.857	mg/L	0.08386	1.04414	1.00000	96.03%

JVM
9 Jan 02

DUPLICATE

Sample Number: 2002AH18D01
Sample Batch Number: 20020016
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

Element	Units	Sample	Duplicate	Difference	Reporting Limit	RPD
As 193.696	µg/filter	1.41	1.43	-0.03	9.000	-2.01%
Ba 455.403	µg/filter	158.94	178.82	-19.89	1.200	-11.78%
Be 313.042	µg/filter	0.04	0.02	0.02	0.600	50.54%
Cd 226.50	µg/filter	0.33	0.18	0.15	0.600	59.10%
Cr 267.716	µg/filter	4.53	4.74	-0.21	1.800	-4.46%
Co 228.61	µg/filter	0.50	0.43	0.07	1.200	15.85%
Cu 327.39	µg/filter	108.79	101.42	7.37	2.400	7.01%
Fe 259.939	µg/filter	664.41	689.50	-25.08	12.000	-3.71%
Pb 220.353	µg/filter	7.85	7.22	0.63	6.000	8.34%
Mg 280.27	µg/filter	976.35	1058.55	-82.20	3.000	-8.08%
Mn 257.61	µg/filter	23.74	24.53	-0.79	1.200	-3.26%
Ni 231.604	µg/filter	2.51	1.57	0.93	1.200	45.71%
Se 196.026	µg/filter	2.59	4.32	-1.74	18.000	-50.30%

JVM
9 Jan 02

DUPLICATE

Sample Number: 2002AH19S02
Sample Batch Number: 20020017
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

Element	Units	Sample	Duplicate	Difference	Reporting Limit	RPD
As 193.696	µg/filter	1.71	2.83	-1.12	9.000	-49.49%
Ba 455.403	µg/filter	177.83	185.31	-7.48	1.200	-4.12%
Be 313.042	µg/filter	0.04	0.06	-0.02	0.600	-41.05%
Cd 226.50	µg/filter	0.41	0.43	-0.02	0.600	-4.84%
Cr 267.716	µg/filter	5.41	5.62	-0.21	1.800	-3.87%
Co 228.61	µg/filter	0.72	0.69	0.03	1.200	3.67%
Cu 327.39	µg/filter	106.51	100.48	6.03	2.400	5.82%
Fe 259.939	µg/filter	1115.69	1123.29	-7.60	12.000	-0.68%
Pb 220.353	µg/filter	9.88	10.75	-0.87	6.000	-8.44%
Mg 280.27	µg/filter	865.97	913.09	-47.12	3.000	-5.30%
Mn 257.61	µg/filter	38.91	38.90	0.01	1.200	0.03%
Ni 231.604	µg/filter	4.32	4.10	0.22	1.200	5.29%
Se 196.026	µg/filter	6.29	5.40	0.88	18.000	15.08%

JVM
9 Jan 02

DUPLICATE

Sample Number: 2002AH21S03
Sample Batch Number: 20020027
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

Element	Units	Sample	Duplicate	Difference	Reporting Limit	RPD
As 193.696	µg/filter	0.59	0.67	-0.08	9.000	-13.14%
Ba 455.403	µg/filter	167.39	161.34	6.06	1.200	3.69%
Be 313.042	µg/filter	0.01	0.00	0.01	0.600	149.58%
Cd 226.50	µg/filter	0.18	0.22	-0.03	0.600	-17.50%
Cr 267.716	µg/filter	3.91	3.89	0.02	1.800	0.53%
Co 228.61	µg/filter	0.31	0.47	-0.17	1.200	-42.64%
Cu 327.39	µg/filter	280.11	298.92	-18.82	2.400	-6.50%
Fe 259.939	µg/filter	324.67	322.22	2.45	12.000	0.76%
Pb 220.353	µg/filter	6.65	7.13	-0.48	6.000	-7.02%
Mg 280.27	µg/filter	688.88	671.58	17.30	3.000	2.54%
Mn 257.61	µg/filter	10.57	10.47	0.10	1.200	0.95%
Ni 231.604	µg/filter	2.03	3.55	-1.52	1.200	-54.35%
Se 196.026	µg/filter	3.79	1.21	2.58	18.000	103.09%

JWJ
9 Jan 02

SIC Solutions

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

			RL	
SIC Co V	Ag 328.068	-0.00034	0.00200	
	Ag 338.289	-0.00064	0.00200	
	Al 308.215	0.02187	0.06000	
	Al 396.153	0.02727	0.06000	
	As 193.696	-0.00307	0.01500	
	B 249.677	0.01140	0.04000	
	Ba 455.403	0.00023	0.00200	
	Be 313.042	0.00018	0.00100	
	Ca 315.887	0.07074	0.03000	out
	Cd 226.502	-0.00007	0.00100	
	Co 228.616	10.00104	0.00200	
	Cr 267.716	0.00021	0.00300	
	Cu 327.393	0.00233	0.00400	
	Fe 259.939	0.02621	0.02000	out
	Fe 273.955	0.02457	0.02000	out
	K 766.490	-0.11268	0.80000	
	Li 670.784	-0.00078	0.02500	
	Mg 279.077	0.01995	0.00500	out
	Mg 280.271	0.02876	0.00500	out
	Mn 257.610	0.00007	0.00200	
	Na 589.592	0.05245	0.40000	
	Ni 231.604	0.00023	0.00200	
	Pb 220.353	-0.00189	0.01000	
	Sb 206.836	-0.00108	0.00400	
	Se 196.026	-0.00518	0.03000	
	Sr 407.771	0.00003	0.00100	
	V 310.230	10.06540	0.00600	
	Zn 213.857	0.00343	0.04500	

JWM
9 Jan 02

SIC Solutions

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

			RL	
SIC Ce	Ag 328.068	-0.00062	0.00200	
	Ag 338.289	-0.00327	0.00200	out
	Al 308.215	0.03562	0.06000	
	Al 396.153	0.28379	0.06000	out
	As 193.696	-0.00320	0.01500	
	B 249.677	0.00592	0.04000	
	Ba 455.403	0.00064	0.00200	
	Be 313.042	-0.00008	0.00100	
	Ca 315.887	0.07852	0.03000	out
	Cd 226.502	-0.00008	0.00100	
	Co 228.616	0.00087	0.00200	
	Cr 267.716	0.00051	0.00300	
	Cu 327.393	-0.00045	0.00400	
	Fe 259.939	0.00165	0.02000	
	Fe 273.955	0.00644	0.02000	
	K 766.490	-0.34369	0.80000	
	Li 670.784	-0.00126	0.02500	
	Mg 279.077	-0.00851	0.00500	out
	Mg 280.271	0.00794	0.00500	out
	Mn 257.610	-0.00001	0.00200	
	Na 589.592	0.00311	0.40000	
	Ni 231.604	0.00027	0.00200	
	Pb 220.353	0.00063	0.01000	
	Sb 206.836	-0.00040	0.00400	
	Se 196.026	-0.00031	0.03000	
	Sr 407.771	0.00013	0.00100	
	V 310.230	-0.00472	0.00600	
	Zn 213.857	0.00512	0.04500	

JVM
9 Jan 02

SIC Solutions

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

			RL	
SIC Cr	Ag 328.068	0.00005	0.00200	
	Ag 338.289	0.00101	0.00200	
	Al 308.215	0.01885	0.06000	
	Al 396.153	0.00683	0.06000	
	As 193.696	-0.00272	0.01500	
	B 249.677	-0.00133	0.04000	
	Ba 455.403	0.00003	0.00200	
	Be 313.042	0.00011	0.00100	
	Ca 315.887	0.02615	0.03000	
	Cd 226.502	0.00000	0.00100	
	Co 228.616	-0.00279	0.00200	out
	Cr 267.716	10.17612	0.00300	
	Cu 327.393	-0.00013	0.00400	
	Fe 259.939	-0.00155	0.02000	
	Fe 273.955	0.00721	0.02000	
	K 766.490	-0.40180	0.80000	
	Li 670.784	-0.00335	0.02500	
	Mg 279.077	-0.00462	0.00500	
	Mg 280.271	-0.00027	0.00500	
	Mn 257.610	-0.00013	0.00200	
	Na 589.592	-0.07514	0.40000	
	Ni 231.604	0.00009	0.00200	
	Pb 220.353	-0.00057	0.01000	
	Sb 206.836	0.01827	0.00400	out
	Se 196.026	-0.00380	0.03000	
	Sr 407.771	0.00019	0.00100	
	V 310.230	-0.00295	0.00600	
	Zn 213.857	0.00157	0.04500	

JVM
9 Jan 02

SIC Solutions

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

			RL	
SIC Fe	Ag 328.068	-0.00324	0.00200	out
	Ag 338.289	0.00044	0.00200	
	Al 308.215	0.04565	0.06000	
	Al 396.153	0.04063	0.06000	
	As 193.696	-0.01452	0.01500	
	B 249.677	-0.01160	0.04000	
	Ba 455.403	0.00027	0.00200	
	Be 313.042	0.00004	0.00100	
	Ca 315.887	0.07966	0.03000	out
	Cd 226.502	0.00656	0.00100	out
	Co 228.616	0.00180	0.00200	
	Cr 267.716	-0.00053	0.00300	
	Cu 327.393	-0.00179	0.00400	
	Fe 259.939	279.18357	0.02000	
	Fe 273.955	315.45173	0.02000	
	K 766.490	-0.31494	0.80000	
	Li 670.784	-0.00242	0.02500	
	Mg 279.077	0.05805	0.00500	out
	Mg 280.271	0.01699	0.00500	out
	Mn 257.610	0.00880	0.00200	out
	Na 589.592	-0.07834	0.40000	
	Ni 231.604	0.00346	0.00200	out
	Pb 220.353	0.01055	0.01000	out
	Sb 206.836	-0.00057	0.00400	
	Se 196.026	-0.04841	0.03000	out
	Sr 407.771	0.00034	0.00100	
	V 310.230	-0.00076	0.00600	
	Zn 213.857	0.00377	0.04500	

JW
9 Jan 02

SIC Solutions

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

			RL	
SIC Mn	Ag 328.068	0.00007	0.00200	
	Ag 338.289	0.00012	0.00200	
	Al 308.215	0.01359	0.06000	
	Al 396.153	0.00085	0.06000	
	As 193.696	-0.00258	0.01500	
	B 249.677	-0.00257	0.04000	
	Ba 455.403	-0.00003	0.00200	
	Be 313.042	-0.00007	0.00100	
	Ca 315.887	0.00987	0.03000	
	Cd 226.502	-0.00000	0.00100	
	Co 228.616	0.00001	0.00200	
	Cr 267.716	0.00007	0.00300	
	Cu 327.393	-0.00065	0.00400	
	Fe 259.939	0.02895	0.02000	out
	Fe 273.955	0.03314	0.02000	out
	K 766.490	-0.53903	0.80000	
	Li 670.784	-0.00392	0.02500	
	Mg 279.077	-0.00324	0.00500	
	Mg 280.271	-0.00156	0.00500	
	Mn 257.610	9.95791	0.00200	
	Na 589.592	-0.13755	0.40000	
	Ni 231.604	-0.00045	0.00200	
	Pb 220.353	-0.00040	0.01000	
	Sb 206.836	-0.00038	0.00400	
	Se 196.026	0.00188	0.03000	
	Sr 407.771	0.00018	0.00100	
	V 310.230	-0.00259	0.00600	
	Zn 213.857	-0.00231	0.04500	

Jm
9 Jan 02

SIC Solutions

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

			RL	
SIC Mo	Ag 328.068	-0.00061	0.00200	
	Ag 338.289	0.00018	0.00200	
	Al 308.215	0.03365	0.06000	
	Al 396.153	0.03445	0.06000	
	As 193.696	-0.00240	0.01500	
	B 249.677	-0.00186	0.04000	
	Ba 455.403	0.00004	0.00200	
	Be 313.042	-0.00002	0.00100	
	Ca 315.887	0.02245	0.03000	
	Cd 226.502	-0.00011	0.00100	
	Co 228.616	0.00293	0.00200	out
	Cr 267.716	0.00006	0.00300	
	Cu 327.393	-0.00009	0.00400	
	Fe 259.939	-0.00001	0.02000	
	Fe 273.955	-0.00381	0.02000	
	K 766.490	-0.51675	0.80000	
	Li 670.784	-0.00365	0.02500	
	Mg 279.077	-0.00290	0.00500	
	Mg 280.271	-0.00029	0.00500	
	Mn 257.610	0.00123	0.00200	
	Na 589.592	-0.09496	0.40000	
	Ni 231.604	-0.00069	0.00200	
	Pb 220.353	-0.00192	0.01000	
	Sb 206.836	0.00563	0.00400	out
	Se 196.026	0.00097	0.03000	
	Sr 407.771	0.00002	0.00100	
	V 310.230	-0.00299	0.00600	
	Zn 213.857	0.00668	0.04500	

JWM
9 Jan 02

SIC Solutions

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

			RL	
SIC Ni	Ag 328.068	-0.00034	0.00200	
	Ag 338.289	0.00052	0.00200	
	Al 308.215	0.02208	0.06000	
	Al 396.153	0.00682	0.06000	
	As 193.696	-0.00175	0.01500	
	B 249.677	-0.00149	0.04000	
	Ba 455.403	0.00016	0.00200	
	Be 313.042	-0.00005	0.00100	
	Ca 315.887	0.01962	0.03000	
	Cd 226.502	0.00063	0.00100	
	Co 228.616	-0.00011	0.00200	
	Cr 267.716	0.00008	0.00300	
	Cu 327.393	-0.00019	0.00400	
	Fe 259.939	-0.00168	0.02000	
	Fe 273.955	-0.00019	0.02000	
	K 766.490	-0.58680	0.80000	
	Li 670.784	-0.00455	0.02500	
	Mg 279.077	-0.00577	0.00500	out
	Mg 280.271	-0.00001	0.00500	
	Mn 257.610	0.00009	0.00200	
	Na 589.592	-0.14158	0.40000	
	Ni 231.604	10.10217	0.00200	
	Pb 220.353	-0.00158	0.01000	
	Sb 206.836	-0.00026	0.00400	
	Se 196.026	0.00091	0.03000	
	Sr 407.771	0.00012	0.00100	
	V 310.230	-0.00339	0.00600	
	Zn 213.857	-0.00411	0.04500	

JVM
9 Jan 02

SIC Solutions

Sample Batch Number: 20020016 & 17 & 27
Analysis Date: 3 Jan 02
Results Data Set: 010302.mdb

			RL	
SIC Ti	Ag 328.068	-0.00047	0.00200	
	Ag 338.289	0.00133	0.00200	
	Al 308.215	0.05133	0.06000	
	Al 396.153	0.02022	0.06000	
	As 193.696	-0.00265	0.01500	
	B 249.677	0.00377	0.04000	
	Ba 455.403	0.00013	0.00200	
	Be 313.042	0.00002	0.00100	
	Ca 315.887	0.04909	0.03000	out
	Cd 226.502	0.00002	0.00100	
	Co 228.616	0.00162	0.00200	
	Cr 267.716	0.00107	0.00300	
	Cu 327.393	0.00003	0.00400	
	Fe 259.939	0.00529	0.02000	
	Fe 273.955	0.00559	0.02000	
	K 766.490	-0.47408	0.80000	
	Li 670.784	-0.00398	0.02500	
	Mg 279.077	-0.00560	0.00500	out
	Mg 280.271	0.00316	0.00500	
	Mn 257.610	0.00015	0.00200	
	Na 589.592	-0.13789	0.40000	
	Ni 231.604	0.00083	0.00200	
	Pb 220.353	-0.00062	0.01000	
	Sb 206.836	0.00058	0.00400	
	Se 196.026	-0.00249	0.03000	
	Sr 407.771	0.00031	0.00100	
	V 310.230	-0.00212	0.00600	
	Zn 213.857	-0.00044	0.04500	

JM
9 Jan 02

Analysis Begun

Start Time: 1/3/02 9:25:38 AM
Logged In Analyst: JVMORRIS
Spectrometer Model: Optima 3300 DV

Plasma On Time: 1/3/02 8:01:17 AM
Technique: ICP Continuous
Autosampler Model: AS-91

JVM
3 Jan 02

Sample Information File: D:\JVMORRIS\Sample Information\010302.sif
Results Data Set: 010302
Results Library: D:\JVMORRIS\Results\Results.mdb

Method Loaded
Method Name: water_080900
IEC File: 041100.IEC
Method Description: Update to MSF with K in model + move K to Ag

Method Last Saved: 12/3/01 1:47:20 PM
MSF File: 050300.MSF

1/3/02 9:27:19 AM Hg ReAlign... Actual peak offset (nm): 0.001
Drift (nm): 0.000 Slit adjustment: 0

Sequence No.: 2
Sample ID: Calib Blank 1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 1/3/02 9:27:22 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	285945.9	5373.89	1.88%		
Y 360.073	3817759.4	37822.49	0.99%		
Ag 328.068†	-0.4	16.62	>999.9%	[0.00]	mg/L
Ag 338.289†	-104.3	81.88	78.52%	[0.00]	mg/L
Al 308.215†	-64.8	3.00	4.63%	[0.00]	mg/L
Al 394.401†	-16.4	1.09	6.67%	[0.00]	mg/L
Al 396.153†	339.5	4.60	1.35%	[0.00]	mg/L
As 188.979†	0.5	1.15	229.82%	[0.00]	mg/L
As 193.696†	-11.7	1.46	12.52%	[0.00]	mg/L
As 197.197†	-0.6	0.40	62.14%	[0.00]	mg/L
B 208.889†	21.9	3.75	17.17%	[0.00]	mg/L
B 249.677†	-11.1	1.93	17.32%	[0.00]	mg/L
B 249.772†	7.6	3.81	50.13%	[0.00]	mg/L
Ba 233.527†	-2.4	1.05	43.30%	[0.00]	mg/L
Ba 455.403†	117.9	2.63	2.23%	[0.00]	mg/L
Ba 493.408†	112.3	49.05	43.69%	[0.00]	mg/L
Be 234.861†	-79.7	11.01	13.81%	[0.00]	mg/L
Be 313.042†	-21.4	3.70	17.31%	[0.00]	mg/L
Be 313.107†	-21.4	3.70	17.31%	[0.00]	mg/L
Ca 315.887†	90.0	3.86	4.29%	[0.00]	mg/L
Ca 317.933†	592.0	9.67	1.63%	[0.00]	mg/L
Cd 214.440†	0.0	0.00	0.00%	[0.00]	mg/L
Cd 226.502†	-32.8	5.06	15.42%	[0.00]	mg/L
Cd 228.802†	1.8	0.20	11.25%	[0.00]	mg/L
Ce 413.380†	-44.8	11.10	24.77%	[0.00]	mg/L
Ce 413.764†	-38.8	10.13	26.07%	[0.00]	mg/L
Ce 418.660†	-187.2	18.56	9.92%	[0.00]	mg/L
Co 228.616†	178.3	11.09	6.22%	[0.00]	mg/L
Co 230.786†	-0.6	0.67	104.27%	[0.00]	mg/L
Co 238.892†	-1.4	0.41	28.51%	[0.00]	mg/L
Cr 205.560†	0.2	0.50	326.32%	[0.00]	mg/L
Cr 267.716†	-3.4	2.15	62.48%	[0.00]	mg/L
Cr 283.563†	-17.4	1.10	6.33%	[0.00]	mg/L
Cu 224.700†	-12.3	1.45	11.83%	[0.00]	mg/L
Cu 324.752†	16.0	2.14	13.37%	[0.00]	mg/L
Cu 327.393†	-81.7	36.33	44.48%	[0.00]	mg/L
Fe 238.204†	5.5	0.89	16.14%	[0.00]	mg/L

Fe 239.562†	4.4	0.96	21.81%	[0.00]	mg/L
Fe 259.939†	10.3	0.18	1.77%	[0.00]	mg/L
Fe 273.955†	1.6	1.09	67.43%	[0.00]	mg/L
K 766.490†	28.9	13.76	47.67%	[0.00]	mg/L
Li 610.362†	-771.5	90.45	11.72%	[0.00]	mg/L
Li 670.784†	725.7	57.00	7.85%	[0.00]	mg/L
Mg 279.077†	57.6	0.55	0.96%	[0.00]	mg/L
Mg 280.271†	971.8	84.29	8.67%	[0.00]	mg/L
Mg 285.213†	20.6	3.19	15.48%	[0.00]	mg/L
Mn 257.610†	17.5	1.42	8.12%	[0.00]	mg/L
Mn 259.372†	-5.0	8.23	165.48%	[0.00]	mg/L
Mn 260.568†	5.1	1.11	21.96%	[0.00]	mg/L
Mo 202.031†	0.7	0.47	65.32%	[0.00]	mg/L
Mo 203.845†	3.0	0.85	28.55%	[0.00]	mg/L
Mo 204.597†	-34.4	3.17	9.22%	[0.00]	mg/L
Na 588.995†	-2186.1	60.34	2.76%	[0.00]	mg/L
Na 589.592†	973.5	39.89	4.10%	[0.00]	mg/L
Ni 221.648†	0.9	0.63	71.97%	[0.00]	mg/L
Ni 231.604†	-16.2	7.50	46.42%	[0.00]	mg/L
Ni 232.003†	-0.9	1.76	186.39%	[0.00]	mg/L
Pb 217.000†	-3.3	2.51	75.13%	[0.00]	mg/L
Pb 220.353†	-0.8	2.66	313.38%	[0.00]	mg/L
Sb 206.836†	-1.0	0.94	91.89%	[0.00]	mg/L
Sb 217.582†	-1.2	0.40	32.03%	[0.00]	mg/L
Se 196.026†	-2.7	0.65	24.53%	[0.00]	mg/L
Se 203.985†	-64.7	2.11	3.26%	[0.00]	mg/L
Sn 189.927†	-1.1	0.62	55.04%	[0.00]	mg/L
Sn 235.485†	17.1	1.44	8.39%	[0.00]	mg/L
Sr 407.771†	-259.3	24.75	9.54%	[0.00]	mg/L
Sr 421.552†	598.7	1.53	0.25%	[0.00]	mg/L
Sr 460.733†	296.9	24.78	8.35%	[0.00]	mg/L
Ti 334.940†	8.2	2.79	34.08%	[0.00]	mg/L
Ti 336.121†	-188.5	11.11	5.89%	[0.00]	mg/L
Ti 337.279†	56.9	4.15	7.29%	[0.00]	mg/L
Tl 190.801†	-2.2	0.51	22.96%	[0.00]	mg/L
Tl 276.787†	0.3	3.93	>999.9%	[0.00]	mg/L
Tl 351.924†	0.0	0.00	0.00%	[0.00]	mg/L
V 290.880†	64.5	0.95	1.47%	[0.00]	mg/L
V 309.310†	-16.2	4.39	27.13%	[0.00]	mg/L
V 310.230†	-1012.6	66.11	6.53%	[0.00]	mg/L
Zn 202.548†	9.4	2.28	24.37%	[0.00]	mg/L
Zn 206.200†	-1.7	0.83	49.93%	[0.00]	mg/L
Zn 213.857†	27.0	2.84	10.53%	[0.00]	mg/L

Sequence No.: 3 **Autosampler Location: 10**
Sample ID: Cal 1 **Date Collected: 1/3/02 9:31:51 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: Cal 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 371.029	283502.3	2801.35	0.99%		
Y 360.073	3827372.1	22505.48	0.59%		
As 188.979†	211.4	1.45	0.69%	[10]	mg/L
As 193.696†	7775.1	35.59	0.46%	[10]	mg/L
As 197.197†	136.4	0.77	0.57%	[10]	mg/L
B 208.889†	142.4	2.53	1.78%	[1]	mg/L
B 249.677†	1007.4	13.70	1.36%	[1]	mg/L
B 249.772†	2164.6	34.04	1.57%	[1]	mg/L
Ba 233.527†	3011.6	18.89	0.63%	[1]	mg/L
Ba 455.403†	86815.4	120.15	0.14%	[1]	mg/L
Ba 493.408†	169785.7	271.94	0.16%	[1]	mg/L
Ca 317.933†	25233.4	123.55	0.49%	[10]	mg/L
Cd 214.440†	0.0	0.00	0.00%	[2]	mg/L
The standards were not analyzed in the same order as the entered (actual) concentrations.					
Cd 226.502†	80796.4	759.31	0.94%	[2]	mg/L

Cd 228.802†	4680.3	76.80	1.64%	[2]	mg/L
Cu 224.700†	890.9	12.36	1.39%	[2]	mg/L
Cu 324.752†	16309.5	14.88	0.09%	[2]	mg/L
Cu 327.393†	140171.7	1348.27	0.96%	[2]	mg/L
Mn 257.610†	36362.1	106.04	0.29%	[2]	mg/L
Mn 259.372†	57243.4	251.46	0.44%	[2]	mg/L
Mn 260.568†	23810.4	106.43	0.45%	[2]	mg/L
Sb 206.836†	11342.2	52.54	0.46%	[5]	mg/L
Sb 217.582†	178.5	0.88	0.49%	[5]	mg/L
Se 196.026†	4571.1	31.67	0.69%	[5]	mg/L
Se 203.985†	2920.7	14.81	0.51%	[5]	mg/L
Sr 407.771†	234649.7	152.01	0.06%	[1]	mg/L
Sr 421.552†	257804.2	768.07	0.30%	[1]	mg/L
Sr 460.733†	11573.4	96.00	0.83%	[1]	mg/L

Sequence No.: 4
Sample ID: Cal 2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 1/3/02 9:36:14 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Cal 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 371.029	287317.5	771.21	0.27%		
Y 360.073	3835432.6	26802.83	0.70%		
Li 610.362†	38039.0	126.13	0.33%	[5]	mg/L
Li 670.784†	279656.7	996.96	0.36%	[5]	mg/L
Mo 202.031†	1642.4	1.49	0.09%	[10]	mg/L
Mo 203.845†	1040.5	5.94	0.57%	[10]	mg/L
Mo 204.597†	72836.7	603.06	0.83%	[10]	mg/L
Na 588.995†	52115.8	125.78	0.24%	[10]	mg/L
Ti 334.940†	194697.6	336.91	0.17%	[10]	mg/L
Ti 336.121†	165010.5	123.89	0.08%	[10]	mg/L
Ti 337.279†	75591.2	129.65	0.17%	[10]	mg/L

Sequence No.: 5
Sample ID: Cal 3
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 1/3/02 9:40:07 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Cal 3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 371.029	279033.7	5150.80	1.85%		
Y 360.073	3783772.0	105601.32	2.79%		
Ce 413.380†	1038.1	11.10	1.07%	[2]	mg/L
Ce 413.764†	1119.3	19.11	1.71%	[2]	mg/L
Ce 418.660†	2199.0	19.74	0.90%	[2]	mg/L
Co 228.616†	26475.2	740.00	2.80%	[2]	mg/L
Co 230.786†	482.5	7.03	1.46%	[2]	mg/L
Co 238.892†	650.8	12.19	1.87%	[2]	mg/L
V 290.880†	1813.6	27.40	1.51%	[2]	mg/L
V 309.310†	3708.2	9.75	0.26%	[2]	mg/L
V 310.230†	123077.8	3273.74	2.66%	[2]	mg/L

Sequence No.: 6
Sample ID: Cal 4
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 1/3/02 9:43:59 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Cal 4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	279750.0	3861.39	1.38%		
Y 360.073	3711189.2	21223.26	0.57%		
Al 394.401†	2078.7	23.37	1.12%	[10]	mg/L
Al 396.153†	8755.2	51.49	0.59%	[10]	mg/L
Cr 205.560†	197.6	2.09	1.06%	[5]	mg/L
Cr 267.716†	37492.9	399.61	1.07%	[5]	mg/L
Cr 283.563†	4463.5	42.75	0.96%	[5]	mg/L
Sn 189.927†	1452.4	18.27	1.26%	[4]	mg/L
Sn 235.485†	113.6	3.13	2.75%	[4]	mg/L
Zn 202.548†	1251.4	20.19	1.61%	[5]	mg/L
Zn 206.200†	647.5	9.82	1.52%	[5]	mg/L
Zn 213.857†	3130.1	40.28	1.29%	[5]	mg/L

Sequence No.: 7
Sample ID: Cal Ag/K
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 1/3/02 9:47:55 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Cal Ag/K

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	284835.8	4278.47	1.50%		
Y 360.073	3733264.0	31351.29	0.84%		
Ag 328.068†	8848.3	168.56	1.90%	[0.1]	mg/L
Ag 338.289†	5494.5	159.78	2.91%	[0.1]	mg/L
K 766.490†	140121.9	70.81	0.05%	[500]	mg/L

Sequence No.: 8
Sample ID: Cal 5
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 1/3/02 9:51:20 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Cal 5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	279611.5	11386.28	4.07%		
Y 360.073	3814060.9	36270.15	0.95%		
Be 234.861†	407650.6	1778.59	0.44%	[1]	mg/L
Be 313.042†	71894.4	2451.50	3.41%	[1]	mg/L
Be 313.107†	71894.4	2451.50	3.41%	[1]	mg/L
Fe 238.204†	23133.2	896.57	3.88%	[10]	mg/L
Fe 239.562†	17819.9	651.19	3.65%	[10]	mg/L
Fe 259.939†	45116.0	1702.73	3.77%	[10]	mg/L
Mg 280.271†	1050344.7	52935.88	5.04%	[10]	mg/L
Mg 285.213†	36499.2	1386.31	3.80%	[10]	mg/L
Ni 221.648†	343.9	15.49	4.50%	[2]	mg/L
Ni 231.604†	31224.2	242.28	0.78%	[2]	mg/L
Ni 232.003†	683.6	28.44	4.16%	[2]	mg/L
Pb 217.000†	533.7	17.38	3.26%	[10]	mg/L
Pb 220.353†	28454.5	326.31	1.15%	[10]	mg/L
Tl 190.801†	5092.0	76.99	1.51%	[5]	mg/L
Tl 276.787†	24139.6	286.29	1.19%	[5]	mg/L
Tl 351.924†	0.0	0.00	0.00%	[5]	mg/L

The standards were not analyzed in the same order as the entered (actual) concentrations.

Sequence No.: 9
Sample ID: Hi Cal
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 1/3/02 9:55:22 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Hi Cal

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	265993.1	1898.35	0.71%		
Y 360.073	3423049.4	18670.45	0.55%		
Al 308.215†	312591.9	1551.82	0.50%	[500]	mg/L
Ca 315.887†	1510980.6	9310.01	0.62%	[500]	mg/L
Fe 273.955†	335448.3	1751.87	0.52%	[500]	mg/L
Mg 279.077†	337120.0	1550.46	0.46%	[500]	mg/L
Na 589.592†	2645018.4	10092.36	0.38%	[500]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin, Calc Int	0.0	88480	0.00000	1.000000	
Ag 338.289	1	Lin, Calc Int	0.0	54940	0.00000	1.000000	
Al 308.215	1	Lin, Calc Int	0.0	625.2	0.00000	1.000000	
Al 394.401	1	Lin, Calc Int	0.0	207.9	0.00000	1.000000	
Al 396.153	1	Lin, Calc Int	0.0	875.5	0.00000	1.000000	
As 188.979	1	Lin, Calc Int	0.0	21.14	0.00000	1.000000	
As 193.696	1	Lin, Calc Int	0.0	777.5	0.00000	1.000000	
As 197.197	1	Lin, Calc Int	0.0	13.64	0.00000	1.000000	
B 208.889	1	Lin, Calc Int	0.0	142.4	0.00000	1.000000	
B 249.677	1	Lin, Calc Int	0.0	1007	0.00000	1.000000	
B 249.772	1	Lin, Calc Int	0.0	2165	0.00000	1.000000	
Ba 233.527	1	Lin, Calc Int	0.0	3012	0.00000	1.000000	
Ba 455.403	1	Lin, Calc Int	0.0	86820	0.00000	1.000000	
Ba 493.408	1	Lin, Calc Int	0.0	169800	0.00000	1.000000	
Be 234.861	1	Lin, Calc Int	0.0	407700	0.00000	1.000000	
Be 313.042	1	Lin, Calc Int	0.0	71890	0.00000	1.000000	
Be 313.107	1	Lin, Calc Int	0.0	71890	0.00000	1.000000	
Ca 315.887	1	Lin, Calc Int	-0.0	3022	0.00000	1.000000	
Ca 317.933	1	Lin, Calc Int	0.0	2523	0.00000	1.000000	
Cd 214.440	1	Lin, Calc Int	0.0	0.0000	0.00000	0.000000	
Cd 226.502	1	Lin, Calc Int	0.0	40400	0.00000	1.000000	
Cd 228.802	1	Lin, Calc Int	0.0	2340	0.00000	1.000000	
Ce 413.380	1	Lin, Calc Int	0.0	519.0	0.00000	1.000000	
Ce 413.764	1	Lin, Calc Int	0.0	559.6	0.00000	1.000000	
Ce 418.660	1	Lin, Calc Int	0.0	1099	0.00000	1.000000	
Co 228.616	1	Lin, Calc Int	0.0	13240	0.00000	1.000000	
Co 230.786	1	Lin, Calc Int	0.0	241.2	0.00000	1.000000	
Co 238.892	1	Lin, Calc Int	0.0	325.4	0.00000	1.000000	
Cr 205.560	1	Lin, Calc Int	0.0	39.53	0.00000	1.000000	
Cr 267.716	1	Lin, Calc Int	0.0	7499	0.00000	1.000000	
Cr 283.563	1	Lin, Calc Int	0.0	892.7	0.00000	1.000000	
Cu 224.700	1	Lin, Calc Int	0.0	445.4	0.00000	1.000000	
Cu 324.752	1	Lin, Calc Int	0.0	8155	0.00000	1.000000	
Cu 327.393	1	Lin, Calc Int	0.0	70090	0.00000	1.000000	
Fe 238.204	1	Lin, Calc Int	0.0	2313	0.00000	1.000000	
Fe 239.562	1	Lin, Calc Int	0.0	1782	0.00000	1.000000	
Fe 259.939	1	Lin, Calc Int	0.0	4512	0.00000	1.000000	
Fe 273.955	1	Lin, Calc Int	0.0	670.9	0.00000	1.000000	
K 766.490	1	Lin, Calc Int	-0.0	280.2	0.00000	1.000000	
Li 610.362	1	Lin, Calc Int	0.0	7608	0.00000	1.000000	
Li 670.784	1	Lin, Calc Int	0.0	55930	0.00000	1.000000	
Mg 279.077	1	Lin, Calc Int	0.0	674.2	0.00000	1.000000	
Mg 280.271	1	Lin, Calc Int	0.0	105000	0.00000	1.000000	
Mg 285.213	1	Lin, Calc Int	0.0	3650	0.00000	1.000000	
Mn 257.610	1	Lin, Calc Int	0.0	18180	0.00000	1.000000	
Mn 259.372	1	Lin, Calc Int	0.0	28620	0.00000	1.000000	
Mn 260.568	1	Lin, Calc Int	0.0	11910	0.00000	1.000000	
Mo 202.031	1	Lin, Calc Int	0.0	164.2	0.00000	1.000000	
Mo 203.845	1	Lin, Calc Int	0.0	104.1	0.00000	1.000000	
Mo 204.597	1	Lin, Calc Int	0.0	7284	0.00000	1.000000	
Na 588.995	1	Lin, Calc Int	0.0	5212	0.00000	1.000000	
Na 589.592	1	Lin, Calc Int	-0.0	5290	0.00000	1.000000	
Ni 221.648	1	Lin, Calc Int	0.0	171.9	0.00000	1.000000	
Ni 231.604	1	Lin, Calc Int	0.0	15610	0.00000	1.000000	

Ni 232.003	1	Lin, Calc Int	0.0	341.8	0.00000	1.000000
Pb 217.000	1	Lin, Calc Int	0.0	53.37	0.00000	1.000000
Pb 220.353	1	Lin, Calc Int	0.0	2845	0.00000	1.000000
Sb 206.836	1	Lin, Calc Int	0.0	2268	0.00000	1.000000
Sb 217.582	1	Lin, Calc Int	0.0	35.71	0.00000	1.000000
Se 196.026	1	Lin, Calc Int	0.0	914.2	0.00000	1.000000
Se 203.985	1	Lin, Calc Int	0.0	584.1	0.00000	1.000000
Sn 189.927	1	Lin, Calc Int	0.0	363.1	0.00000	1.000000
Sn 235.485	1	Lin, Calc Int	0.0	28.40	0.00000	1.000000
Sr 407.771	1	Lin, Calc Int	0.0	234600	0.00000	1.000000
Sr 421.552	1	Lin, Calc Int	0.0	257800	0.00000	1.000000
Sr 460.733	1	Lin, Calc Int	0.0	11570	0.00000	1.000000
Ti 334.940	1	Lin, Calc Int	0.0	19470	0.00000	1.000000
Ti 336.121	1	Lin, Calc Int	0.0	16500	0.00000	1.000000
Ti 337.279	1	Lin, Calc Int	0.0	7559	0.00000	1.000000
Tl 190.801	1	Lin, Calc Int	0.0	1018	0.00000	1.000000
Tl 276.787	1	Lin, Calc Int	0.0	4828	0.00000	1.000000
Tl 351.924	1	Lin, Calc Int	0.0	0.0000	0.00000	0.000000
V 290.880	1	Lin, Calc Int	0.0	906.8	0.00000	1.000000
V 309.310	1	Lin, Calc Int	0.0	1854	0.00000	1.000000
V 310.230	1	Lin, Calc Int	0.0	61540	0.00000	1.000000
Zn 202.548	1	Lin, Calc Int	0.0	250.3	0.00000	1.000000
Zn 206.200	1	Lin, Calc Int	0.0	129.5	0.00000	1.000000
Zn 213.857	1	Lin, Calc Int	0.0	626.0	0.00000	1.000000

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Sequence No.: 10
Sample ID: wash
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 1/3/02 9:58:55 AM

Sample Prep Volume:
Data Type: Original

Mean Data: wash

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	289365.9						7356.45	2.54%
Y 360.073	3879986.5						32825.04	0.85%
Ag 328.068†	-44.9	-0.00051	mg/L	0.001059	-0.00051	mg/L	0.001059	208.81%
Ag 338.289†	39.9	0.00073	mg/L	0.001371	0.00073	mg/L	0.001371	188.98%
Al 308.215†	56.2	0.08982	mg/L	0.005649	0.08982	mg/L	0.005649	6.29%
Al 394.401†	75.9	0.3652	mg/L	0.01713	0.3652	mg/L	0.01713	4.69%
Al 396.153†	291.9	0.3337	mg/L	0.01596	0.3337	mg/L	0.01596	4.78%
As 188.979†	0.6	0.02633	mg/L	0.052588	0.02633	mg/L	0.052588	199.72%
As 193.696†	1.4	0.00178	mg/L	0.001504	0.00178	mg/L	0.001504	84.58%
As 197.197†	0.1	0.00370	mg/L	0.025925	0.00370	mg/L	0.025925	701.01%
B 208.889†	-1.3	-0.00896	mg/L	0.007791	-0.00896	mg/L	0.007791	86.91%
B 249.677†	2.3	0.00227	mg/L	0.001844	0.00227	mg/L	0.001844	81.39%
B 249.772†	-2.8	-0.00130	mg/L	0.000907	-0.00130	mg/L	0.000907	69.81%
Ba 233.527†	0.3	0.00009	mg/L	0.000206	0.00009	mg/L	0.000206	217.86%
Ba 455.403†	-2.2	-0.00002	mg/L	0.000050	-0.00002	mg/L	0.000050	201.91%
Ba 493.408†	52.0	0.00031	mg/L	0.000130	0.00031	mg/L	0.000130	42.56%
Be 234.861†	-61.8	-0.00015	mg/L	0.000064	-0.00015	mg/L	0.000064	41.90%
Be 313.042†	-0.1	0.00000	mg/L	0.000048	0.00000	mg/L	0.000048	>999.9%
Be 313.107†	-0.1	0.00000	mg/L	0.000048	0.00000	mg/L	0.000048	>999.9%
Ca 315.887†	357.7	0.1184	mg/L	0.00854	0.1184	mg/L	0.00854	7.22%
Ca 317.933†	286.1	0.1134	mg/L	0.00961	0.1134	mg/L	0.00961	8.48%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	2.7	0.00007	mg/L	0.000111	0.00007	mg/L	0.000111	169.05%
Cd 228.802†	1.3	0.00057	mg/L	0.000105	0.00057	mg/L	0.000105	18.41%
Ce 413.380†	-7.1	-0.01360	mg/L	0.034711	-0.01360	mg/L	0.034711	255.17%
Ce 413.764†	3.7	0.00670	mg/L	0.015305	0.00670	mg/L	0.015305	228.51%
Ce 418.660†	3.4	0.00314	mg/L	0.017064	0.00314	mg/L	0.017064	544.21%
Co 228.616†	-9.4	-0.00071	mg/L	0.000921	-0.00071	mg/L	0.000921	129.61%
Co 230.786†	-1.9	-0.00770	mg/L	0.004946	-0.00770	mg/L	0.004946	64.25%
Co 238.892†	0.5	0.00154	mg/L	0.001988	0.00154	mg/L	0.001988	129.28%
Cr 205.560†	0.0	0.00113	mg/L	0.007587	0.00113	mg/L	0.007587	670.25%
Cr 267.716†	-0.2	-0.00003	mg/L	0.000167	-0.00003	mg/L	0.000167	609.43%
Cr 283.563†	-0.7	-0.00075	mg/L	0.001208	-0.00075	mg/L	0.001208	161.93%
Cu 224.700†	1.3	0.00290	mg/L	0.002210	0.00290	mg/L	0.002210	76.20%

Cu 324.752†	-19.0	-0.00233 mg/L	0.000365	-0.00233 mg/L	0.000365	15.67%
Cu 327.393†	-183.2	-0.00261 mg/L	0.000582	-0.00261 mg/L	0.000582	22.26%
Fe 238.204†	168.6	0.07290 mg/L	0.010633	0.07290 mg/L	0.010633	14.59%
Fe 239.562†	129.3	0.07253 mg/L	0.009661	0.07253 mg/L	0.009661	13.32%
Fe 259.939†	331.3	0.07344 mg/L	0.010212	0.07344 mg/L	0.010212	13.90%
Fe 273.955†	58.1	0.08660 mg/L	0.014926	0.08660 mg/L	0.014926	17.23%
K 766.490†	214.5	0.7654 mg/L	0.08432	0.7654 mg/L	0.08432	11.02%
Li 610.362†	33.3	0.00438 mg/L	0.006269	0.00438 mg/L	0.006269	143.07%
Li 670.784†	-111.5	-0.00199 mg/L	0.001126	-0.00199 mg/L	0.001126	56.52%
Mg 279.077†	71.0	0.1053 mg/L	0.01465	0.1053 mg/L	0.01465	13.91%
Mg 280.271†	9917.7	0.09442 mg/L	0.004851	0.09442 mg/L	0.004851	5.14%
Mg 285.213†	355.5	0.09741 mg/L	0.003224	0.09741 mg/L	0.003224	3.31%
Mn 257.610†	-2.8	-0.00015 mg/L	0.000033	-0.00015 mg/L	0.000033	21.53%
Mn 259.372†	0.9	-0.00004 mg/L	0.000085	-0.00004 mg/L	0.000085	202.78%
Mn 260.568†	-3.7	-0.00031 mg/L	0.000148	-0.00031 mg/L	0.000148	47.17%
Mo 202.031†	-0.6	-0.00337 mg/L	0.001871	-0.00337 mg/L	0.001871	55.50%
Mo 203.845†	-1.4	-0.01308 mg/L	0.004157	-0.01308 mg/L	0.004157	31.78%
Mo 204.597†	4.4	0.00061 mg/L	0.000107	0.00061 mg/L	0.000107	17.63%
Na 588.995†	2629.6	0.5046 mg/L	0.01501	0.5046 mg/L	0.01501	2.97%
Na 589.592†	2735.0	0.5170 mg/L	0.01042	0.5170 mg/L	0.01042	2.02%
Ni 221.648†	-0.4	-0.00230 mg/L	0.000303	-0.00230 mg/L	0.000303	13.17%
Ni 231.604†	1.2	0.00008 mg/L	0.000117	0.00008 mg/L	0.000117	147.14%
Ni 232.003†	-0.1	-0.00041 mg/L	0.002186	-0.00041 mg/L	0.002186	528.18%
Pb 217.000†	-0.6	-0.01197 mg/L	0.024518	-0.01197 mg/L	0.024518	204.88%
Pb 220.353†	0.1	0.00004 mg/L	0.000755	0.00004 mg/L	0.000755	>999.9%
Sb 206.836†	0.8	0.00033 mg/L	0.001189	0.00033 mg/L	0.001189	358.85%
Sb 217.582†	0.2	0.00624 mg/L	0.026596	0.00624 mg/L	0.026596	426.09%
Se 196.026†	-0.4	-0.00049 mg/L	0.000882	-0.00049 mg/L	0.000882	181.21%
Se 203.985†	1.7	0.00288 mg/L	0.003482	0.00288 mg/L	0.003482	120.83%
Sn 189.927†	-0.0	-0.00007 mg/L	0.005978	-0.00007 mg/L	0.005978	>999.9%
Sn 235.485†	-2.1	-0.07456 mg/L	0.093633	-0.07456 mg/L	0.093633	125.58%
Sr 407.771†	-9.4	-0.00004 mg/L	0.000005	-0.00004 mg/L	0.000005	12.36%
Sr 421.552†	-25.2	-0.00010 mg/L	0.000066	-0.00010 mg/L	0.000066	67.01%
Sr 460.733†	-59.0	-0.00510 mg/L	0.006685	-0.00510 mg/L	0.006685	131.05%
Ti 334.940†	-1.2	-0.00006 mg/L	0.000086	-0.00006 mg/L	0.000086	134.23%
Ti 336.121†	-7.1	-0.00043 mg/L	0.000536	-0.00043 mg/L	0.000536	125.26%
Ti 337.279†	-5.1	-0.00067 mg/L	0.000131	-0.00067 mg/L	0.000131	19.63%
Tl 190.801†	1.8	0.00181 mg/L	0.000708	0.00181 mg/L	0.000708	39.10%
Tl 276.787†	30.7	0.00635 mg/L	0.000840	0.00635 mg/L	0.000840	13.22%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-0.1	-0.00012 mg/L	0.000792	-0.00012 mg/L	0.000792	664.00%
V 309.310†	-0.5	-0.00029 mg/L	0.000553	-0.00029 mg/L	0.000553	189.14%
V 310.230†	264.4	0.00430 mg/L	0.000462	0.00430 mg/L	0.000462	10.74%
Zn 202.548†	-6.2	-0.02482 mg/L	0.004427	-0.02482 mg/L	0.004427	17.84%
Zn 206.200†	-2.1	-0.01616 mg/L	0.004442	-0.01616 mg/L	0.004442	27.48%
Zn 213.857†	-11.7	-0.01864 mg/L	0.001184	-0.01864 mg/L	0.001184	6.35%

Sequence No.: 11
Sample ID: BLANK
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/3/02 10:03:34 AM
Sample Prep Volume:
Data Type: Original

Mean Data: BLANK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	285676.2						2026.60	0.71%
Y 360.073	3781569.1						63472.16	1.68%
Ag 328.068†	-43.5	-0.00049	mg/L	0.000595	-0.00049	mg/L	0.000595	121.19%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Ag 338.289†	-5.9	-0.00011	mg/L	0.001472	-0.00011	mg/L	0.001472	>999.9%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215†	4.0	0.00636	mg/L	0.003966	0.00636	mg/L	0.003966	62.32%
QC value within limits for Al 308.215 Recovery = Not calculated								
Al 394.401†	7.2	0.03444	mg/L	0.007646	0.03444	mg/L	0.007646	22.20%
QC value within limits for Al 394.401 Recovery = Not calculated								
Al 396.153†	11.6	0.01344	mg/L	0.013932	0.01344	mg/L	0.013932	103.63%
QC value within limits for Al 396.153 Recovery = Not calculated								

As 188.979†	-0.3	-0.01650 mg/L	0.007306	-0.01650 mg/L	0.007306	44.28%
QC value within limits for As 188.979 Recovery = Not calculated						
As 193.696†	-0.5	-0.00068 mg/L	0.001747	-0.00068 mg/L	0.001747	256.72%
QC value within limits for As 193.696 Recovery = Not calculated						
As 197.197†	0.4	0.02969 mg/L	0.048664	0.02969 mg/L	0.048664	163.89%
QC value within limits for As 197.197 Recovery = Not calculated						
B 208.889†	0.8	0.00591 mg/L	0.013340	0.00591 mg/L	0.013340	225.56%
QC value within limits for B 208.889 Recovery = Not calculated						
B 249.677†	3.5	0.00349 mg/L	0.001866	0.00349 mg/L	0.001866	53.51%
QC value within limits for B 249.677 Recovery = Not calculated						
B 249.772†	-1.1	-0.00050 mg/L	0.000580	-0.00050 mg/L	0.000580	115.10%
QC value within limits for B 249.772 Recovery = Not calculated						
Ba 233.527†	-0.3	-0.00011 mg/L	0.000470	-0.00011 mg/L	0.000470	427.61%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Ba 455.403†	-2.6	-0.00003 mg/L	0.000028	-0.00003 mg/L	0.000028	93.43%
QC value within limits for Ba 455.403 Recovery = Not calculated						
Ba 493.408†	17.4	0.00010 mg/L	0.000110	0.00010 mg/L	0.000110	107.00%
QC value within limits for Ba 493.408 Recovery = Not calculated						
Be 234.861†	-5.9	-0.00001 mg/L	0.000010	-0.00001 mg/L	0.000010	71.84%
QC value within limits for Be 234.861 Recovery = Not calculated						
Be 313.042†	-2.0	-0.00003 mg/L	0.000027	-0.00003 mg/L	0.000027	99.77%
QC value within limits for Be 313.042 Recovery = Not calculated						
Be 313.107†	-2.0	-0.00003 mg/L	0.000027	-0.00003 mg/L	0.000027	99.77%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	10.0	0.00331 mg/L	0.002269	0.00331 mg/L	0.002269	68.50%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Ca 317.933†	27.6	0.01093 mg/L	0.003301	0.01093 mg/L	0.003301	30.19%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
QC value within limits for Cd 214.440 Recovery = Not calculated						
Cd 226.502†	-0.0	0.00000 mg/L	0.000059	0.00000 mg/L	0.000059	>999.9%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Cd 228.802†	1.1	0.00045 mg/L	0.000562	0.00045 mg/L	0.000562	124.89%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Ce 413.380†	0.0	0.00009 mg/L	0.016380	0.00009 mg/L	0.016380	>999.9%
QC value within limits for Ce 413.380 Recovery = Not calculated						
Ce 413.764†	4.8	0.00865 mg/L	0.014772	0.00865 mg/L	0.014772	170.77%
QC value within limits for Ce 413.764 Recovery = Not calculated						
Ce 418.660†	23.6	0.02148 mg/L	0.008579	0.02148 mg/L	0.008579	39.94%
QC value within limits for Ce 418.660 Recovery = Not calculated						
Co 228.616†	0.3	0.00003 mg/L	0.000401	0.00003 mg/L	0.000401	>999.9%
QC value within limits for Co 228.616 Recovery = Not calculated						
Co 230.786†	-0.5	-0.00223 mg/L	0.004622	-0.00223 mg/L	0.004622	207.18%
QC value within limits for Co 230.786 Recovery = Not calculated						
Co 238.892†	2.1	0.00642 mg/L	0.001927	0.00642 mg/L	0.001927	30.03%
QC value within limits for Co 238.892 Recovery = Not calculated						
Cr 205.560†	0.2	0.00453 mg/L	0.006305	0.00453 mg/L	0.006305	139.08%
QC value within limits for Cr 205.560 Recovery = Not calculated						
Cr 267.716†	-4.4	-0.00059 mg/L	0.000063	-0.00059 mg/L	0.000063	10.76%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cr 283.563†	0.2	0.00020 mg/L	0.003171	0.00020 mg/L	0.003171	>999.9%
QC value within limits for Cr 283.563 Recovery = Not calculated						
Cu 224.700†	1.3	0.00291 mg/L	0.003824	0.00291 mg/L	0.003824	131.21%
QC value within limits for Cu 224.700 Recovery = Not calculated						
Cu 324.752†	-4.8	-0.00059 mg/L	0.000207	-0.00059 mg/L	0.000207	35.09%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Cu 327.393†	-76.5	-0.00109 mg/L	0.000199	-0.00109 mg/L	0.000199	18.18%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	10.9	0.00471 mg/L	0.001842	0.00471 mg/L	0.001842	39.08%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Fe 239.562†	9.5	0.00532 mg/L	0.001618	0.00532 mg/L	0.001618	30.43%
QC value within limits for Fe 239.562 Recovery = Not calculated						
Fe 259.939†	23.5	0.00521 mg/L	0.001457	0.00521 mg/L	0.001457	27.96%
QC value within limits for Fe 259.939 Recovery = Not calculated						
Fe 273.955†	5.0	0.00752 mg/L	0.005352	0.00752 mg/L	0.005352	71.14%
QC value within limits for Fe 273.955 Recovery = Not calculated						
K 766.490†	524.7	1.872 mg/L	0.0759	1.872 mg/L	0.0759	4.05%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 610.362†	64.3	0.00845 mg/L	0.014821	0.00845 mg/L	0.014821	175.47%
QC value within limits for Li 610.362 Recovery = Not calculated						

Li 670.784†	159.1	0.00285 mg/L	0.000900	0.00285 mg/L	0.000900	31.65%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	5.6	0.00837 mg/L	0.004712	0.00837 mg/L	0.004712	56.30%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Mg 280.271†	127.0	0.00121 mg/L	0.001256	0.00121 mg/L	0.001256	103.86%
QC value within limits for Mg 280.271 Recovery = Not calculated						
Mg 285.213†	5.6	0.00153 mg/L	0.001171	0.00153 mg/L	0.001171	76.39%
QC value within limits for Mg 285.213 Recovery = Not calculated						
Mn 257.610†	-1.1	-0.00006 mg/L	0.000096	-0.00006 mg/L	0.000096	154.65%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mn 259.372†	2.5	0.00009 mg/L	0.000180	0.00009 mg/L	0.000180	209.15%
QC value within limits for Mn 259.372 Recovery = Not calculated						
Mn 260.568†	-1.6	-0.00014 mg/L	0.000078	-0.00014 mg/L	0.000078	57.04%
QC value within limits for Mn 260.568 Recovery = Not calculated						
Mo 202.031†	-0.2	-0.00109 mg/L	0.004626	-0.00109 mg/L	0.004626	424.52%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Mo 203.845†	-2.8	-0.02651 mg/L	0.023015	-0.02651 mg/L	0.023015	86.81%
QC value within limits for Mo 203.845 Recovery = Not calculated						
Mo 204.597†	1.2	0.00016 mg/L	0.000372	0.00016 mg/L	0.000372	234.41%
QC value within limits for Mo 204.597 Recovery = Not calculated						
Na 588.995†	2099.4	0.4028 mg/L	0.02510	0.4028 mg/L	0.02510	6.23%
QC value within limits for Na 588.995 Recovery = Not calculated						
Na 589.592†	2286.8	0.4323 mg/L	0.01670	0.4323 mg/L	0.01670	3.86%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 221.648†	-0.1	-0.00043 mg/L	0.004823	-0.00043 mg/L	0.004823	>999.9%
QC value within limits for Ni 221.648 Recovery = Not calculated						
Ni 231.604†	1.8	0.00012 mg/L	0.000203	0.00012 mg/L	0.000203	172.15%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Ni 232.003†	-0.5	-0.00140 mg/L	0.000725	-0.00140 mg/L	0.000725	51.80%
QC value within limits for Ni 232.003 Recovery = Not calculated						
Pb 217.000†	0.3	0.00513 mg/L	0.058300	0.00513 mg/L	0.058300	>999.9%
QC value within limits for Pb 217.000 Recovery = Not calculated						
Pb 220.353†	11.4	0.00401 mg/L	0.001254	0.00401 mg/L	0.001254	31.31%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	0.8	0.00037 mg/L	0.000989	0.00037 mg/L	0.000989	266.86%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Sb 217.582†	-0.1	-0.00187 mg/L	0.020546	-0.00187 mg/L	0.020546	>999.9%
QC value within limits for Sb 217.582 Recovery = Not calculated						
Se 196.026†	0.2	0.00023 mg/L	0.004807	0.00023 mg/L	0.004807	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated						
Se 203.985†	0.4	0.00076 mg/L	0.002297	0.00076 mg/L	0.002297	300.80%
QC value within limits for Se 203.985 Recovery = Not calculated						
Sn 189.927†	1.3	0.00363 mg/L	0.001192	0.00363 mg/L	0.001192	32.81%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sn 235.485†	-0.1	-0.00238 mg/L	0.094277	-0.00238 mg/L	0.094277	>999.9%
QC value within limits for Sn 235.485 Recovery = Not calculated						
Sr 407.771†	-6.0	-0.00003 mg/L	0.000043	-0.00003 mg/L	0.000043	170.19%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Sr 421.552†	15.3	0.00006 mg/L	0.000084	0.00006 mg/L	0.000084	141.35%
QC value within limits for Sr 421.552 Recovery = Not calculated						
Sr 460.733†	-119.8	-0.01035 mg/L	0.001179	-0.01035 mg/L	0.001179	11.40%
QC value within limits for Sr 460.733 Recovery = Not calculated						
Ti 334.940†	3.0	0.00015 mg/L	0.000134	0.00015 mg/L	0.000134	87.31%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Ti 336.121†	-7.9	-0.00048 mg/L	0.000926	-0.00048 mg/L	0.000926	194.42%
QC value within limits for Ti 336.121 Recovery = Not calculated						
Ti 337.279†	0.4	0.00005 mg/L	0.000244	0.00005 mg/L	0.000244	449.51%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	-0.4	-0.00038 mg/L	0.000820	-0.00038 mg/L	0.000820	216.46%
QC value within limits for Tl 190.801 Recovery = Not calculated						
Tl 276.787†	13.1	0.00271 mg/L	0.002631	0.00271 mg/L	0.002631	97.24%
QC value within limits for Tl 276.787 Recovery = Not calculated						
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
QC value within limits for Tl 351.924 Recovery = Not calculated						
V 290.880†	1.8	0.00197 mg/L	0.002458	0.00197 mg/L	0.002458	124.73%
QC value within limits for V 290.880 Recovery = Not calculated						
V 309.310†	-1.8	-0.00095 mg/L	0.002122	-0.00095 mg/L	0.002122	222.88%
QC value within limits for V 309.310 Recovery = Not calculated						
V 310.230†	472.6	0.00768 mg/L	0.003902	0.00768 mg/L	0.003902	50.81%
QC value within limits for V 310.230 Recovery = Not calculated						

```
Zn 202.548†              -1.6    -0.00646 mg/L      0.012634    -0.00646 mg/L      0.012634 195.66%
   QC value within limits for Zn 202.548  Recovery = Not calculated
Zn 206.200†              -0.4    -0.00317 mg/L      0.001545    -0.00317 mg/L      0.001545  48.75%
   QC value within limits for Zn 206.200  Recovery = Not calculated
Zn 213.857†              -3.0    -0.00472 mg/L      0.001585    -0.00472 mg/L      0.001585  33.54%
   QC value within limits for Zn 213.857  Recovery = Not calculated
All analytes passed QC.
```

Sequence No.: 12
Sample ID: LCM1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/3/02 10:08:00 AM
Sample Prep Volume:
Data Type: Original

Mean Data: LCM1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	289126.2						2424.98	0.84%
Y 360.073	3817461.7						57061.26	1.49%
Ag 328.068†	34203.8	0.3866	mg/L	0.00698	0.3866	mg/L	0.00698	1.81%
Ag 338.289†	21049.4	0.3831	mg/L	0.00842	0.3831	mg/L	0.00842	2.20%
Al 308.215†	611.7	0.9785	mg/L	0.00588	0.9785	mg/L	0.00588	0.60%
QC value within limits for Al 308.215 Recovery = 97.85%								
Al 394.401†	814.4	3.918	mg/L	0.0165	3.918	mg/L	0.0165	0.42%
QC value greater than the upper limit for Al 394.401 Recovery = 391.82%								
Al 396.153†	3524.4	4.074	mg/L	0.0545	4.074	mg/L	0.0545	1.34%
QC value greater than the upper limit for Al 396.153 Recovery = 407.36%								
As 188.979†	42.2	1.994	mg/L	0.0555	1.994	mg/L	0.0555	2.79%
QC value within limits for As 188.979 Recovery = 99.71%								
As 193.696†	1584.4	2.038	mg/L	0.0413	2.038	mg/L	0.0413	2.03%
QC value within limits for As 193.696 Recovery = 101.89%								
As 197.197†	26.2	1.923	mg/L	0.0719	1.923	mg/L	0.0719	3.74%
QC value within limits for As 197.197 Recovery = 96.15%								
B 208.889†	133.4	0.9373	mg/L	0.01360	0.9373	mg/L	0.01360	1.45%
QC value within limits for B 208.889 Recovery = 93.73%								
B 249.677†	929.6	0.9228	mg/L	0.00567	0.9228	mg/L	0.00567	0.61%
QC value within limits for B 249.677 Recovery = 92.28%								
B 249.772†	2009.8	0.9285	mg/L	0.00643	0.9285	mg/L	0.00643	0.69%
QC value within limits for B 249.772 Recovery = 92.85%								
Ba 233.527†	2958.4	0.9823	mg/L	0.00323	0.9823	mg/L	0.00323	0.33%
QC value within limits for Ba 233.527 Recovery = 98.23%								
Ba 455.403†	86587.3	0.9974	mg/L	0.00063	0.9974	mg/L	0.00063	0.06%
QC value within limits for Ba 455.403 Recovery = 99.74%								
Ba 493.408†	167374.0	0.9858	mg/L	0.00129	0.9858	mg/L	0.00129	0.13%
QC value within limits for Ba 493.408 Recovery = 98.58%								
Be 234.861†	413341.8	1.014	mg/L	0.0198	1.014	mg/L	0.0198	1.95%
QC value within limits for Be 234.861 Recovery = 101.40%								
Be 313.042†	67081.9	0.9331	mg/L	0.00354	0.9331	mg/L	0.00354	0.38%
QC value within limits for Be 313.042 Recovery = 93.31%								
Be 313.107†	67081.9	0.9331	mg/L	0.00354	0.9331	mg/L	0.00354	0.38%
QC value within limits for Be 313.107 Recovery = 93.31%								
Ca 315.887†	3239.0	1.072	mg/L	0.0130	1.072	mg/L	0.0130	1.21%
QC value within limits for Ca 315.887 Recovery = 107.18%								
Ca 317.933†	2507.9	0.9939	mg/L	0.00655	0.9939	mg/L	0.00655	0.66%
QC value within limits for Ca 317.933 Recovery = 99.39%								
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
QC value less than the lower limit for Cd 214.440 Recovery = 0.00%								
Cd 226.502†	39448.7	0.9765	mg/L	0.01074	0.9765	mg/L	0.01074	1.10%
QC value within limits for Cd 226.502 Recovery = 97.65%								
Cd 228.802†	2265.3	0.9680	mg/L	0.00954	0.9680	mg/L	0.00954	0.99%
QC value within limits for Cd 228.802 Recovery = 96.80%								
Ce 413.380†	1557.4	3.001	mg/L	0.0493	3.001	mg/L	0.0493	1.64%
QC value greater than the upper limit for Ce 413.380 Recovery = 300.06%								
Ce 413.764†	1706.9	3.050	mg/L	0.0508	3.050	mg/L	0.0508	1.66%
QC value greater than the upper limit for Ce 413.764 Recovery = 305.00%								
Ce 418.660†	3278.4	2.982	mg/L	0.0587	2.982	mg/L	0.0587	1.97%
QC value greater than the upper limit for Ce 418.660 Recovery = 298.17%								
Co 228.616†	38876.4	2.937	mg/L	0.0402	2.937	mg/L	0.0402	1.37%

QC value greater than the upper limit for Co 228.616 Recovery = 293.68%

Co 230.786†	698.8	2.897 mg/L	0.0225	2.897 mg/L	0.0225	0.78%

QC value greater than the upper limit for Co 230.786 Recovery = 289.70%

Co 238.892†	937.4	2.881 mg/L	0.0403	2.881 mg/L	0.0403	1.40%

QC value greater than the upper limit for Co 238.892 Recovery = 288.08%

Cr 205.560†	154.1	3.899 mg/L	0.0168	3.899 mg/L	0.0168	0.43%

QC value greater than the upper limit for Cr 205.560 Recovery = 389.95%

Cr 267.716†	29163.9	3.889 mg/L	0.0597	3.889 mg/L	0.0597	1.54%

QC value greater than the upper limit for Cr 267.716 Recovery = 388.93%

Cr 283.563†	3486.6	3.906 mg/L	0.0399	3.906 mg/L	0.0399	1.02%

QC value greater than the upper limit for Cr 283.563 Recovery = 390.57%

Cu 224.700†	418.0	0.9384 mg/L	0.00654	0.9384 mg/L	0.00654	0.70%

QC value within limits for Cu 224.700 Recovery = 93.84%

Cu 324.752†	7802.8	0.9568 mg/L	0.00912	0.9568 mg/L	0.00912	0.95%

QC value within limits for Cu 324.752 Recovery = 95.68%

Cu 327.393†	67302.6	0.9603 mg/L	0.01737	0.9603 mg/L	0.01737	1.81%

QC value within limits for Cu 327.393 Recovery = 96.03%

Fe 238.204†	2187.5	0.9456 mg/L	0.00935	0.9456 mg/L	0.00935	0.99%

QC value within limits for Fe 238.204 Recovery = 94.56%

Fe 239.562†	1689.3	0.9480 mg/L	0.00800	0.9480 mg/L	0.00800	0.84%

QC value within limits for Fe 239.562 Recovery = 94.80%

Fe 259.939†	4319.0	0.9573 mg/L	0.00908	0.9573 mg/L	0.00908	0.95%

QC value within limits for Fe 259.939 Recovery = 95.73%

Fe 273.955†	732.3	1.092 mg/L	0.0150	1.092 mg/L	0.0150	1.38%

QC value within limits for Fe 273.955 Recovery = 109.15%

K 766.490†	3520.8	12.56 mg/L	0.139	12.56 mg/L	0.139	1.10%

QC value greater than the upper limit for K 766.490 Recovery = 251.27%

Li 610.362†	7700.7	1.012 mg/L	0.0080	1.012 mg/L	0.0080	0.79%

QC value within limits for Li 610.362 Recovery = 101.22%

Li 670.784†	55387.4	0.9903 mg/L	0.00307	0.9903 mg/L	0.00307	0.31%

QC value within limits for Li 670.784 Recovery = 99.03%

Mg 279.077†	683.6	1.014 mg/L	0.0143	1.014 mg/L	0.0143	1.41%

QC value within limits for Mg 279.077 Recovery = 101.39%

Mg 280.271†	101498.8	0.9663 mg/L	0.00465	0.9663 mg/L	0.00465	0.48%

QC value within limits for Mg 280.271 Recovery = 96.63%

Mg 285.213†	3494.7	0.9575 mg/L	0.00602	0.9575 mg/L	0.00602	0.63%

QC value within limits for Mg 285.213 Recovery = 95.75%

Mn 257.610†	17824.4	0.9804 mg/L	0.00084	0.9804 mg/L	0.00084	0.09%

QC value within limits for Mn 257.610 Recovery = 98.04%

Mn 259.372†	28179.7	0.9793 mg/L	0.00549	0.9793 mg/L	0.00549	0.56%

QC value within limits for Mn 259.372 Recovery = 97.93%

Mn 260.568†	11705.9	0.9833 mg/L	0.00263	0.9833 mg/L	0.00263	0.27%

QC value within limits for Mn 260.568 Recovery = 98.33%

Mo 202.031†	142.6	0.8680 mg/L	0.01591	0.8680 mg/L	0.01591	1.83%

QC value less than the lower limit for Mo 202.031 Recovery = 86.80%

Mo 203.845†	88.8	0.8531 mg/L	0.02767	0.8531 mg/L	0.02767	3.24%

QC value less than the lower limit for Mo 203.845 Recovery = 85.31%

Mo 204.597†	6472.0	0.8886 mg/L	0.02176	0.8886 mg/L	0.02176	2.45%

QC value less than the lower limit for Mo 204.597 Recovery = 88.86%

Na 588.995†	6510.9	1.249 mg/L	0.0073	1.249 mg/L	0.0073	0.59%
Na 589.592†	6775.2	1.281 mg/L	0.0214	1.281 mg/L	0.0214	1.67%
Ni 221.648†	157.2	0.9144 mg/L	0.00291	0.9144 mg/L	0.00291	0.32%

QC value within limits for Ni 221.648 Recovery = 91.44%

Ni 231.604†	15369.4	0.9845 mg/L	0.01747	0.9845 mg/L	0.01747	1.77%

QC value within limits for Ni 231.604 Recovery = 98.45%

Ni 232.003†	326.9	0.9563 mg/L	0.01696	0.9563 mg/L	0.01696	1.77%

QC value within limits for Ni 232.003 Recovery = 95.63%

Pb 217.000†	100.0	1.874 mg/L	0.0582	1.874 mg/L	0.0582	3.10%

QC value within limits for Pb 217.000 Recovery = 93.72%

Pb 220.353†	5649.8	1.986 mg/L	0.0364	1.986 mg/L	0.0364	1.83%

QC value within limits for Pb 220.353 Recovery = 99.28%

Sb 206.836†	4179.7	1.843 mg/L	0.0344	1.843 mg/L	0.0344	1.87%

QC value within limits for Sb 206.836 Recovery = 92.13%

Sb 217.582†	66.2	1.854 mg/L	0.0283	1.854 mg/L	0.0283	1.53%

QC value within limits for Sb 217.582 Recovery = 92.68%

Se 196.026†	953.4	1.043 mg/L	0.0253	1.043 mg/L	0.0253	2.42%

QC value within limits for Se 196.026 Recovery = 104.28%

Se 203.985†	622.0	1.065 mg/L	0.0319	1.065 mg/L	0.0319	3.00%

QC value within limits for Se 203.985 Recovery = 106.49%

Sn 189.927†	6379.7	17.57 mg/L	0.325	17.57 mg/L	0.325	1.85%

QC value greater than the upper limit for Sn 189.927 Recovery = 351.41%

Sn 235.485†	508.1	17.89 mg/L	0.248	17.89 mg/L	0.248	1.39%

QC value greater than the upper limit for Sn 235.485 Recovery = 357.75%

Sr 407.771†	231687.2	0.9874 mg/L	0.00166	0.9874 mg/L	0.00166	0.17%

QC value within limits for Sr 407.771 Recovery = 98.74%

Sr 421.552†	256275.2	0.9941 mg/L	0.00147	0.9941 mg/L	0.00147	0.15%

QC value within limits for Sr 421.552 Recovery = 99.41%

Sr 460.733†	11387.2	0.9839 mg/L	0.00488	0.9839 mg/L	0.00488	0.50%

QC value within limits for Sr 460.733 Recovery = 98.39%

Ti 334.940†	17379.4	0.8926 mg/L	0.00244	0.8926 mg/L	0.00244	0.27%

QC value less than the lower limit for Ti 334.940 Recovery = 89.26%

Ti 336.121†	14697.2	0.8907 mg/L	0.00442	0.8907 mg/L	0.00442	0.50%

QC value less than the lower limit for Ti 336.121 Recovery = 89.07%

Ti 337.279†	6706.2	0.8872 mg/L	0.00788	0.8872 mg/L	0.00788	0.89%

QC value less than the lower limit for Ti 337.279 Recovery = 88.72%

Tl 190.801†	4634.5	4.551 mg/L	0.0862	4.551 mg/L	0.0862	1.89%

QC value within limits for Tl 190.801 Recovery = 91.01%

Tl 276.787†	21369.7	4.426 mg/L	0.0915	4.426 mg/L	0.0915	2.07%

QC value less than the lower limit for Tl 276.787 Recovery = 88.53%

Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%

QC value less than the lower limit for Tl 351.924 Recovery = 0.00%

V 290.880†	2682.7	2.958 mg/L	0.0259	2.958 mg/L	0.0259	0.87%

QC value greater than the upper limit for V 290.880 Recovery = 295.84%

V 309.310†	5489.8	2.961 mg/L	0.0241	2.961 mg/L	0.0241	0.81%

QC value greater than the upper limit for V 309.310 Recovery = 296.09%

V 310.230†	180586.0	2.935 mg/L	0.0484	2.935 mg/L	0.0484	1.65%

QC value greater than the upper limit for V 310.230 Recovery = 293.45%

Zn 202.548†	936.1	3.733 mg/L	0.0506	3.733 mg/L	0.0506	1.36%

QC value greater than the upper limit for Zn 202.548 Recovery = 373.28%

Zn 206.200†	484.3	3.740 mg/L	0.0398	3.740 mg/L	0.0398	1.06%

QC value greater than the upper limit for Zn 206.200 Recovery = 373.96%

Zn 213.857†	2350.8	3.750 mg/L	0.0441	3.750 mg/L	0.0441	1.18%

QC value greater than the upper limit for Zn 213.857 Recovery = 374.97%

QC Failed. Continue with analysis.

Sequence No.: 13
Sample ID: LCM2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 1/3/02 10:12:31 AM
Sample Prep Volume:
Data Type: Original

Mean Data: LCM2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	293277.0						2700.52	0.92%
Y 360.073	3844249.9						51198.01	1.33%
Ag 328.068†	9748.4	0.1102	mg/L	0.00050	0.1102	mg/L	0.00050	0.45%
QC value greater than the upper limit for Ag 328.068 Recovery = 220.35%								
Ag 338.289†	6060.4	0.1103	mg/L	0.00186	0.1103	mg/L	0.00186	1.68%
QC value greater than the upper limit for Ag 338.289 Recovery = 220.60%								
Al 308.215†	5.3	0.00850	mg/L	0.004291	0.00850	mg/L	0.004291	50.50%
Al 394.401†	12.6	0.06043	mg/L	0.012226	0.06043	mg/L	0.012226	20.23%
Al 396.153†	35.7	0.04104	mg/L	0.008022	0.04104	mg/L	0.008022	19.55%
As 188.979†	-0.2	-0.01157	mg/L	0.057243	-0.01157	mg/L	0.057243	494.68%
As 193.696†	1.5	0.00197	mg/L	0.000433	0.00197	mg/L	0.000433	21.95%
As 197.197†	-0.1	-0.00656	mg/L	0.034108	-0.00656	mg/L	0.034108	520.22%
B 208.889†	2.1	0.01464	mg/L	0.001811	0.01464	mg/L	0.001811	12.37%
B 249.677†	15.3	0.01521	mg/L	0.001018	0.01521	mg/L	0.001018	6.69%
B 249.772†	30.8	0.01425	mg/L	0.001819	0.01425	mg/L	0.001819	12.77%
Ba 233.527†	0.6	0.00019	mg/L	0.000100	0.00019	mg/L	0.000100	53.34%
Ba 455.403†	18.9	0.00022	mg/L	0.000180	0.00022	mg/L	0.000180	82.61%
Ba 493.408†	67.6	0.00040	mg/L	0.000193	0.00040	mg/L	0.000193	48.38%
Be 234.861†	9.3	0.00002	mg/L	0.000035	0.00002	mg/L	0.000035	153.21%
Be 313.042†	5.3	0.00007	mg/L	0.000034	0.00007	mg/L	0.000034	46.42%
Be 313.107†	5.3	0.00007	mg/L	0.000034	0.00007	mg/L	0.000034	46.42%
Ca 315.887†	84.9	0.02810	mg/L	0.001094	0.02810	mg/L	0.001094	3.89%
Ca 317.933†	69.0	0.02734	mg/L	0.001031	0.02734	mg/L	0.001031	3.77%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%

Cd 226.502†	8.6	0.00021 mg/L	0.000066	0.00021 mg/L	0.000066	31.12%
Cd 228.802†	2.3	0.00098 mg/L	0.000116	0.00098 mg/L	0.000116	11.91%
Ce 413.380†	-4.2	-0.00803 mg/L	0.022663	-0.00803 mg/L	0.022663	282.23%
Ce 413.764†	2.5	0.00444 mg/L	0.008186	0.00444 mg/L	0.008186	184.52%
Ce 418.660†	22.3	0.02026 mg/L	0.020470	0.02026 mg/L	0.020470	101.05%
Co 228.616†	-1.8	-0.00013 mg/L	0.000722	-0.00013 mg/L	0.000722	542.93%
Co 230.786†	-0.3	-0.00132 mg/L	0.002964	-0.00132 mg/L	0.002964	224.56%
Co 238.892†	2.8	0.00860 mg/L	0.003721	0.00860 mg/L	0.003721	43.24%
Cr 205.560†	0.2	0.00498 mg/L	0.006204	0.00498 mg/L	0.006204	124.68%
Cr 267.716†	6.1	0.00081 mg/L	0.000071	0.00081 mg/L	0.000071	8.84%
Cr 283.563†	0.5	0.00052 mg/L	0.002742	0.00052 mg/L	0.002742	526.22%
Cu 224.700†	-0.2	-0.00034 mg/L	0.000943	-0.00034 mg/L	0.000943	278.19%
Cu 324.752†	-5.4	-0.00066 mg/L	0.000233	-0.00066 mg/L	0.000233	35.24%
Cu 327.393†	-28.3	-0.00040 mg/L	0.000270	-0.00040 mg/L	0.000270	66.95%
Fe 238.204†	16.9	0.00729 mg/L	0.000807	0.00729 mg/L	0.000807	11.07%
Fe 239.562†	11.4	0.00643 mg/L	0.001237	0.00643 mg/L	0.001237	19.25%
Fe 259.939†	35.2	0.00779 mg/L	0.000429	0.00779 mg/L	0.000429	5.50%
Fe 273.955†	6.1	0.00907 mg/L	0.001426	0.00907 mg/L	0.001426	15.72%
K 766.490†	319.0	1.138 mg/L	0.0540	1.138 mg/L	0.0540	4.74%
Li 610.362†	169.8	0.02232 mg/L	0.001216	0.02232 mg/L	0.001216	5.45%
Li 670.784†	110.4	0.00197 mg/L	0.000500	0.00197 mg/L	0.000500	25.34%
Mg 279.077†	10.0	0.01489 mg/L	0.012726	0.01489 mg/L	0.012726	85.44%
Mg 280.271†	466.8	0.00444 mg/L	0.000361	0.00444 mg/L	0.000361	8.12%
Mg 285.213†	14.6	0.00399 mg/L	0.000704	0.00399 mg/L	0.000704	17.65%
Mn 257.610†	2.1	0.00011 mg/L	0.000104	0.00011 mg/L	0.000104	92.37%
Mn 259.372†	8.4	0.00031 mg/L	0.000065	0.00031 mg/L	0.000065	20.88%
Mn 260.568†	-1.0	-0.00009 mg/L	0.000082	-0.00009 mg/L	0.000082	94.36%
Mo 202.031†	-0.9	-0.00578 mg/L	0.006792	-0.00578 mg/L	0.006792	117.53%
Mo 203.845†	0.4	0.00431 mg/L	0.010749	0.00431 mg/L	0.010749	249.60%
Mo 204.597†	7.3	0.00100 mg/L	0.000213	0.00100 mg/L	0.000213	21.31%
Na 588.995†	1287.9	0.2471 mg/L	0.01461	0.2471 mg/L	0.01461	5.91%
Na 589.592†	1216.3	0.2299 mg/L	0.02544	0.2299 mg/L	0.02544	11.06%
Ni 221.648†	-0.2	-0.00106 mg/L	0.004239	-0.00106 mg/L	0.004239	399.37%
Ni 231.604†	6.0	0.00038 mg/L	0.000082	0.00038 mg/L	0.000082	21.42%
Ni 232.003†	-0.9	-0.00267 mg/L	0.004221	-0.00267 mg/L	0.004221	158.03%
Pb 217.000†	-0.0	-0.00025 mg/L	0.003840	-0.00025 mg/L	0.003840	>999.9%
Pb 220.353†	8.9	0.00312 mg/L	0.001472	0.00312 mg/L	0.001472	47.23%
Sb 206.836†	2.5	0.00112 mg/L	0.001557	0.00112 mg/L	0.001557	138.92%
Sb 217.582†	-0.0	-0.00102 mg/L	0.022993	-0.00102 mg/L	0.022993	>999.9%
Se 196.026†	-0.4	-0.00042 mg/L	0.003524	-0.00042 mg/L	0.003524	834.96%
Se 203.985†	0.6	0.00111 mg/L	0.003808	0.00111 mg/L	0.003808	344.45%
Sn 189.927†	17.2	0.04729 mg/L	0.002483	0.04729 mg/L	0.002483	5.25%
Sn 235.485†	0.5	0.01729 mg/L	0.032506	0.01729 mg/L	0.032506	187.97%
Sr 407.771†	28.6	0.00012 mg/L	0.000086	0.00012 mg/L	0.000086	70.42%
Sr 421.552†	21.4	0.00008 mg/L	0.000031	0.00008 mg/L	0.000031	37.19%
Sr 460.733†	11.2	0.00097 mg/L	0.007848	0.00097 mg/L	0.007848	809.70%
Ti 334.940†	11.9	0.00061 mg/L	0.000125	0.00061 mg/L	0.000125	20.36%
Ti 336.121†	2.3	0.00014 mg/L	0.000832	0.00014 mg/L	0.000832	601.79%
Ti 337.279†	6.8	0.00090 mg/L	0.000049	0.00090 mg/L	0.000049	5.43%
Tl 190.801†	3.3	0.00324 mg/L	0.001586	0.00324 mg/L	0.001586	48.91%
Tl 276.787†	11.8	0.00244 mg/L	0.002099	0.00244 mg/L	0.002099	86.03%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	2.4	0.00263 mg/L	0.002626	0.00263 mg/L	0.002626	99.74%
V 309.310†	0.2	0.00012 mg/L	0.001212	0.00012 mg/L	0.001212	990.49%
V 310.230†	332.5	0.00540 mg/L	0.002662	0.00540 mg/L	0.002662	49.28%
Zn 202.548†	3.0	0.01206 mg/L	0.005526	0.01206 mg/L	0.005526	45.82%
Zn 206.200†	1.7	0.01339 mg/L	0.006203	0.01339 mg/L	0.006203	46.33%
Zn 213.857†	6.4	0.01025 mg/L	0.002471	0.01025 mg/L	0.002471	24.10%

QC Failed. Continue with analysis.

==========

Sequence No.: 14
Sample ID: Hi AQC
Analyst:
Sample Wt:
Dilution:

Stop!

Autosampler Location: 4
Date Collected: 1/3/02 10:16:59 AM

Sample Prep Volume:
Data Type: Original

Analysis Begun

Start Time: 1/3/02 10:21:40 AM
Logged In Analyst: JVMORRIS
Spectrometer Model: Optima 3300 DV

Plasma On Time: 1/3/02 8:01:17 AM
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: D:\JVMORRIS\Sample Information\010302.sif
Results Data Set: 010302
Results Library: D:\JVMORRIS\Results\Results.mdb

Stds cal 3, 4 & Ag k mixed up rearrang & restart just 3 Jan 02

1/3/02 10:23:21 AM Hg ReAlign... Actual peak offset (nm): 0.001
Drift (nm): 0.000 Slit adjustment: 0

Sequence No.: 2
Sample ID: Calib Blank 1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 1/3/02 10:23:24 AM

Sample Prep Volume:
Data Type: Original

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	286585.9	3622.02	1.26%		
Y 360.073	3903809.4	39531.05	1.01%		
Ag 328.068†	-6.5	62.03	951.58%	[0.00]	mg/L
Ag 338.289†	-171.6	52.23	30.43%	[0.00]	mg/L
Al 308.215†	-63.8	2.10	3.30%	[0.00]	mg/L
Al 394.401†	-6.3	6.37	100.45%	[0.00]	mg/L
Al 396.153†	352.2	11.19	3.18%	[0.00]	mg/L
As 188.979†	0.9	1.33	154.12%	[0.00]	mg/L
As 193.696†	-8.3	1.37	16.58%	[0.00]	mg/L
As 197.197†	0.0	0.25	>999.9%	[0.00]	mg/L
B 208.889†	24.3	0.87	3.57%	[0.00]	mg/L
B 249.677†	-5.1	2.08	40.68%	[0.00]	mg/L
B 249.772†	9.4	3.70	39.40%	[0.00]	mg/L
Ba 233.527†	-1.8	1.98	112.86%	[0.00]	mg/L
Ba 455.403†	119.3	8.87	7.43%	[0.00]	mg/L
Ba 493.408†	137.5	79.37	57.70%	[0.00]	mg/L
Be 234.861†	-70.2	5.03	7.16%	[0.00]	mg/L
Be 313.042†	-21.7	1.63	7.50%	[0.00]	mg/L
Be 313.107†	-21.7	1.63	7.50%	[0.00]	mg/L
Ca 315.887†	93.6	7.39	7.90%	[0.00]	mg/L
Ca 317.933†	625.8	8.31	1.33%	[0.00]	mg/L
Cd 214.440†	0.0	0.00	0.00%	[0.00]	mg/L
Cd 226.502†	-31.7	3.46	10.90%	[0.00]	mg/L
Cd 228.802†	1.8	2.80	156.17%	[0.00]	mg/L
Ce 413.380†	-55.5	18.07	32.56%	[0.00]	mg/L
Ce 413.764†	-34.7	4.87	14.04%	[0.00]	mg/L
Ce 418.660†	-179.5	16.58	9.24%	[0.00]	mg/L
Co 228.616†	167.2	6.95	4.15%	[0.00]	mg/L
Co 230.786†	-2.4	1.56	66.30%	[0.00]	mg/L
Co 238.892†	0.6	1.29	206.88%	[0.00]	mg/L
Cr 205.560†	0.7	0.65	93.85%	[0.00]	mg/L
Cr 267.716†	-1.1	4.77	432.83%	[0.00]	mg/L
Cr 283.563†	-19.0	4.42	23.20%	[0.00]	mg/L
Cu 224.700†	-11.9	0.71	5.96%	[0.00]	mg/L
Cu 324.752†	9.5	1.72	18.10%	[0.00]	mg/L
Cu 327.393†	-175.8	42.31	24.07%	[0.00]	mg/L
Fe 238.204†	17.4	1.50	8.62%	[0.00]	mg/L
Fe 239.562†	13.8	1.19	8.67%	[0.00]	mg/L
Fe 259.939†	35.9	1.21	3.36%	[0.00]	mg/L
Fe 273.955†	5.9	0.34	5.79%	[0.00]	mg/L
K 766.490†	323.5	19.91	6.16%	[0.00]	mg/L
Li 610.362†	-746.3	80.16	10.74%	[0.00]	mg/L
Li 670.784†	837.3	67.96	8.12%	[0.00]	mg/L

Mg 279.077†	62.2	5.29	8.50%	[0.00]	mg/L
Mg 280.271†	1188.5	59.34	4.99%	[0.00]	mg/L
Mg 285.213†	25.3	3.68	14.53%	[0.00]	mg/L
Mn 257.610†	18.1	1.15	6.39%	[0.00]	mg/L
Mn 259.372†	-0.2	6.53	>999.9%	[0.00]	mg/L
Mn 260.568†	3.2	0.36	11.29%	[0.00]	mg/L
Mo 202.031†	-0.6	0.39	63.31%	[0.00]	mg/L
Mo 203.845†	1.8	0.32	17.56%	[0.00]	mg/L
Mo 204.597†	-31.1	4.47	14.36%	[0.00]	mg/L
Na 588.995†	-1156.4	49.42	4.27%	[0.00]	mg/L
Na 589.592†	2080.3	23.02	1.11%	[0.00]	mg/L
Ni 221.648†	0.8	0.34	45.17%	[0.00]	mg/L
Ni 231.604†	-15.1	1.70	11.31%	[0.00]	mg/L
Ni 232.003†	-1.3	0.77	59.20%	[0.00]	mg/L
Pb 217.000†	-4.2	1.31	31.22%	[0.00]	mg/L
Pb 220.353†	1.5	2.03	134.44%	[0.00]	mg/L
Sb 206.836†	2.6	3.01	117.59%	[0.00]	mg/L
Sb 217.582†	-0.5	0.49	91.74%	[0.00]	mg/L
Se 196.026†	-2.5	0.83	32.91%	[0.00]	mg/L
Se 203.985†	-62.9	2.13	3.39%	[0.00]	mg/L
Sn 189.927†	2.4	1.45	60.39%	[0.00]	mg/L
Sn 235.485†	15.6	2.78	17.87%	[0.00]	mg/L
Sr 407.771†	-265.1	9.33	3.52%	[0.00]	mg/L
Sr 421.552†	575.2	15.29	2.66%	[0.00]	mg/L
Sr 460.733†	310.5	68.78	22.15%	[0.00]	mg/L
Ti 334.940†	10.9	2.78	25.45%	[0.00]	mg/L
Ti 336.121†	-189.4	12.81	6.76%	[0.00]	mg/L
Ti 337.279†	55.6	4.34	7.80%	[0.00]	mg/L
Tl 190.801†	-2.1	0.70	33.17%	[0.00]	mg/L
Tl 276.787†	12.0	3.09	25.69%	[0.00]	mg/L
Tl 351.924†	0.0	0.00	0.00%	[0.00]	mg/L
V 290.880†	65.5	1.42	2.17%	[0.00]	mg/L
V 309.310†	-17.4	4.60	26.40%	[0.00]	mg/L
V 310.230†	-797.7	57.70	7.23%	[0.00]	mg/L
Zn 202.548†	8.8	1.08	12.28%	[0.00]	mg/L
Zn 206.200†	-2.0	0.43	21.85%	[0.00]	mg/L
Zn 213.857†	23.7	2.16	9.12%	[0.00]	mg/L

Sequence No.: 3
Sample ID: Cal 1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 1/3/02 10:27:52 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Cal 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	298424.5	2351.78	0.79%		
Y 360.073	3906274.1	22558.45	0.58%		
As 188.979†	199.7	1.03	0.51%	[10]	mg/L
As 193.696†	7547.6	49.65	0.66%	[10]	mg/L
As 197.197†	127.4	1.11	0.87%	[10]	mg/L
B 208.889†	130.6	0.90	0.69%	[1]	mg/L
B 249.677†	935.4	13.80	1.48%	[1]	mg/L
B 249.772†	2026.0	16.74	0.83%	[1]	mg/L
Ba 233.527†	2836.9	66.52	2.34%	[1]	mg/L
Ba 455.403†	84336.2	448.14	0.53%	[1]	mg/L
Ba 493.408†	162449.1	695.77	0.43%	[1]	mg/L
Ca 317.933†	23454.8	383.05	1.63%	[10]	mg/L
Cd 214.440†	0.0	0.00	0.00%	[2]	mg/L
The standards were not analyzed in the same order as the entered (actual) concentrations.					
Cd 226.502†	77199.5	863.27	1.12%	[2]	mg/L
Cd 228.802†	4362.1	47.33	1.08%	[2]	mg/L
Cu 224.700†	829.7	10.06	1.21%	[2]	mg/L
Cu 324.752†	15231.6	288.71	1.90%	[2]	mg/L
Cu 327.393†	133645.6	3838.91	2.87%	[2]	mg/L
Mn 257.610†	33964.7	649.69	1.91%	[2]	mg/L
Mn 259.372†	53305.2	1009.93	1.89%	[2]	mg/L

Mn 260.568†	22329.1	470.50	2.11%	[2]	mg/L
Sb 206.836†	10961.7	58.02	0.53%	[5]	mg/L
Sb 217.582†	168.4	1.70	1.01%	[5]	mg/L
Se 196.026†	4442.8	29.18	0.66%	[5]	mg/L
Se 203.985†	2842.4	20.75	0.73%	[5]	mg/L
Sr 407.771†	223998.1	897.74	0.40%	[1]	mg/L
Sr 421.552†	249661.8	1410.86	0.57%	[1]	mg/L
Sr 460.733†	10826.7	197.81	1.83%	[1]	mg/L

Sequence No.: 4
Sample ID: Cal 2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 1/3/02 10:32:18 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Cal 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 371.029	298639.9	2268.57	0.76%		
Y 360.073	3843330.9	54964.47	1.43%		
Li 610.362†	36404.0	88.78	0.24%	[5]	mg/L
Li 670.784†	265269.3	467.01	0.18%	[5]	mg/L
Mo 202.031†	1565.3	18.50	1.18%	[10]	mg/L
Mo 203.845†	990.0	12.67	1.28%	[10]	mg/L
Mo 204.597†	71928.6	722.79	1.00%	[10]	mg/L
Na 588.995†	50009.1	75.55	0.15%	[10]	mg/L
Ti 334.940†	187313.7	233.88	0.12%	[10]	mg/L
Ti 336.121†	159360.4	206.62	0.13%	[10]	mg/L
Ti 337.279†	72264.9	58.08	0.08%	[10]	mg/L

Sequence No.: 5
Sample ID: Cal 3
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 1/3/02 10:36:11 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Cal 3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 371.029	290956.5	2799.32	0.96%		
Y 360.073	3920696.1	6008.61	0.15%		
Ce 413.380†	3113.9	122.26	3.93%	[2]	mg/L
Ce 413.764†	3339.8	49.05	1.47%	[2]	mg/L
Ce 418.660†	6340.4	258.09	4.07%	[2]	mg/L
Co 228.616†	75266.4	339.31	0.45%	[2]	mg/L
Co 230.786†	1402.0	39.95	2.85%	[2]	mg/L
Co 238.892†	1847.2	63.97	3.46%	[2]	mg/L
V 290.880†	5232.0	142.86	2.73%	[2]	mg/L
V 309.310†	10693.7	232.63	2.18%	[2]	mg/L
V 310.230†	347783.1	1674.41	0.48%	[2]	mg/L

Sequence No.: 6
Sample ID: Cal 4
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 1/3/02 10:39:37 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Cal 4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 371.029	300871.2	5757.20	1.91%		
Y 360.073	3939113.9	46779.24	1.19%		
Al 394.401†	7736.9	11.57	0.15%	[10]	mg/L
Al 396.153†	32372.2	140.34	0.43%	[10]	mg/L

Cr 205.560†	743.3	7.89	1.06%	[5]	mg/L
Cr 267.716†	139843.3	1040.75	0.74%	[5]	mg/L
Cr 283.563†	17045.4	134.83	0.79%	[5]	mg/L
Sn 189.927†	5435.9	39.70	0.73%	[4]	mg/L
Sn 235.485†	436.6	2.38	0.55%	[4]	mg/L
Zn 202.548†	4607.6	61.95	1.34%	[5]	mg/L
Zn 206.200†	2404.7	29.73	1.24%	[5]	mg/L
Zn 213.857†	11559.5	129.12	1.12%	[5]	mg/L

Sequence No.: 7
Sample ID: Cal Ag/K
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 1/3/02 10:43:33 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Cal Ag/K

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	292603.7	7928.98	2.71%		
Y 360.073	3838505.4	24580.64	0.64%		
Ag 328.068†	14571.3	206.73	1.42%	[0.1]	mg/L
Ag 338.289†	9100.7	210.23	2.31%	[0.1]	mg/L
K 766.490†	228060.5	1239.11	0.54%	[500]	mg/L

Sequence No.: 8
Sample ID: Cal 5
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 1/3/02 10:46:58 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Cal 5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	299200.8	7539.12	2.52%		
Y 360.073	3912929.3	31715.66	0.81%		
Be 234.861†	398705.8	2399.92	0.60%	[1]	mg/L
Be 313.042†	66778.1	417.95	0.63%	[1]	mg/L
Be 313.107†	66778.1	417.95	0.63%	[1]	mg/L
Fe 238.204†	21877.5	134.78	0.62%	[10]	mg/L
Fe 239.562†	16732.3	163.15	0.98%	[10]	mg/L
Fe 259.939†	42473.1	162.15	0.38%	[10]	mg/L
Mg 280.271†	995310.9	5907.44	0.59%	[10]	mg/L
Mg 285.213†	33943.9	238.73	0.70%	[10]	mg/L
Ni 221.648†	323.5	7.35	2.27%	[2]	mg/L
Ni 231.604†	29703.3	893.78	3.01%	[2]	mg/L
Ni 232.003†	645.6	11.79	1.83%	[2]	mg/L
Pb 217.000†	508.2	7.51	1.48%	[10]	mg/L
Pb 220.353†	27040.8	731.70	2.71%	[10]	mg/L
Tl 190.801†	4754.0	174.83	3.68%	[5]	mg/L
Tl 276.787†	22641.5	1063.74	4.70%	[5]	mg/L
Tl 351.924†	0.0	0.00	0.00%	[5]	mg/L

The standards were not analyzed in the same order as the entered (actual) concentrations.

Sequence No.: 9
Sample ID: Hi Cal
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 1/3/02 10:50:57 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Hi Cal

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	272620.3	2843.03	1.04%		
Y 360.073	3527216.9	22877.67	0.65%		

Al 308.215†	306910.9	1124.17	0.37%	[500] mg/L
Ca 315.887†	1489741.3	7661.51	0.51%	[500] mg/L
Fe 273.955†	331871.4	1643.88	0.50%	[500] mg/L
Mg 279.077†	330324.3	1487.60	0.45%	[500] mg/L
Na 589.592†	2626956.6	9153.31	0.35%	[500] mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin, Calc Int	0.0	145700	0.00000	1.000000	
Ag 338.289	1	Lin, Calc Int	0.0	91010	0.00000	1.000000	
Al 308.215	1	Lin, Calc Int	0.0	613.8	0.00000	1.000000	
Al 394.401	1	Lin, Calc Int	0.0	773.7	0.00000	1.000000	
Al 396.153	1	Lin, Calc Int	0.0	3237	0.00000	1.000000	
As 188.979	1	Lin, Calc Int	0.0	19.97	0.00000	1.000000	
As 193.696	1	Lin, Calc Int	0.0	754.8	0.00000	1.000000	
As 197.197	1	Lin, Calc Int	0.0	12.74	0.00000	1.000000	
B 208.889	1	Lin, Calc Int	0.0	130.6	0.00000	1.000000	
B 249.677	1	Lin, Calc Int	0.0	935.4	0.00000	1.000000	
B 249.772	1	Lin, Calc Int	0.0	2026	0.00000	1.000000	
Ba 233.527	1	Lin, Calc Int	0.0	2837	0.00000	1.000000	
Ba 455.403	1	Lin, Calc Int	0.0	84340	0.00000	1.000000	
Ba 493.408	1	Lin, Calc Int	0.0	162400	0.00000	1.000000	
Be 234.861	1	Lin, Calc Int	0.0	398700	0.00000	1.000000	
Be 313.042	1	Lin, Calc Int	0.0	66780	0.00000	1.000000	
Be 313.107	1	Lin, Calc Int	0.0	66780	0.00000	1.000000	
Ca 315.887	1	Lin, Calc Int	0.0	2979	0.00000	1.000000	
Ca 317.933	1	Lin, Calc Int	-0.0	2345	0.00000	1.000000	
Cd 214.440	1	Lin, Calc Int	0.0	0.0000	0.00000	0.000000	
Cd 226.502	1	Lin, Calc Int	0.0	38600	0.00000	1.000000	
Cd 228.802	1	Lin, Calc Int	0.0	2181	0.00000	1.000000	
Ce 413.380	1	Lin, Calc Int	0.0	1557	0.00000	1.000000	
Ce 413.764	1	Lin, Calc Int	0.0	1670	0.00000	1.000000	
Ce 418.660	1	Lin, Calc Int	0.0	3170	0.00000	1.000000	
Co 228.616	1	Lin, Calc Int	0.0	37630	0.00000	1.000000	
Co 230.786	1	Lin, Calc Int	0.0	701.0	0.00000	1.000000	
Co 238.892	1	Lin, Calc Int	0.0	923.6	0.00000	1.000000	
Cr 205.560	1	Lin, Calc Int	0.0	148.7	0.00000	1.000000	
Cr 267.716	1	Lin, Calc Int	0.0	27970	0.00000	1.000000	
Cr 283.563	1	Lin, Calc Int	0.0	3409	0.00000	1.000000	
Cu 224.700	1	Lin, Calc Int	0.0	414.8	0.00000	1.000000	
Cu 324.752	1	Lin, Calc Int	0.0	7616	0.00000	1.000000	
Cu 327.393	1	Lin, Calc Int	0.0	66820	0.00000	1.000000	
Fe 238.204	1	Lin, Calc Int	0.0	2188	0.00000	1.000000	
Fe 239.562	1	Lin, Calc Int	0.0	1673	0.00000	1.000000	
Fe 259.939	1	Lin, Calc Int	0.0	4247	0.00000	1.000000	
Fe 273.955	1	Lin, Calc Int	0.0	663.7	0.00000	1.000000	
K 766.490	1	Lin, Calc Int	0.0	456.1	0.00000	1.000000	
Li 610.362	1	Lin, Calc Int	0.0	7281	0.00000	1.000000	
Li 670.784	1	Lin, Calc Int	0.0	53050	0.00000	1.000000	
Mg 279.077	1	Lin, Calc Int	0.0	660.6	0.00000	1.000000	
Mg 280.271	1	Lin, Calc Int	-0.0	99530	0.00000	1.000000	
Mg 285.213	1	Lin, Calc Int	0.0	3394	0.00000	1.000000	
Mn 257.610	1	Lin, Calc Int	0.0	16980	0.00000	1.000000	
Mn 259.372	1	Lin, Calc Int	0.0	26650	0.00000	1.000000	
Mn 260.568	1	Lin, Calc Int	0.0	11160	0.00000	1.000000	
Mo 202.031	1	Lin, Calc Int	-0.0	156.5	0.00000	1.000000	
Mo 203.845	1	Lin, Calc Int	-0.0	99.00	0.00000	1.000000	
Mo 204.597	1	Lin, Calc Int	0.0	7193	0.00000	1.000000	
Na 588.995	1	Lin, Calc Int	0.0	5001	0.00000	1.000000	
Na 589.592	1	Lin, Calc Int	0.0	5254	0.00000	1.000000	
Ni 221.648	1	Lin, Calc Int	0.0	161.7	0.00000	1.000000	
Ni 231.604	1	Lin, Calc Int	0.0	14850	0.00000	1.000000	
Ni 232.003	1	Lin, Calc Int	0.0	322.8	0.00000	1.000000	
Pb 217.000	1	Lin, Calc Int	0.0	50.82	0.00000	1.000000	
Pb 220.353	1	Lin, Calc Int	0.0	2704	0.00000	1.000000	
Sb 206.836	1	Lin, Calc Int	0.0	2192	0.00000	1.000000	
Sb 217.582	1	Lin, Calc Int	0.0	33.68	0.00000	1.000000	
Se 196.026	1	Lin, Calc Int	0.0	888.6	0.00000	1.000000	

Se 203.985	1	Lin, Calc Int	0.0	568.5	0.00000	1.000000
Sn 189.927	1	Lin, Calc Int	0.0	1359	0.00000	1.000000
Sn 235.485	1	Lin, Calc Int	0.0	109.2	0.00000	1.000000
Sr 407.771	1	Lin, Calc Int	0.0	224000	0.00000	1.000000
Sr 421.552	1	Lin, Calc Int	0.0	249700	0.00000	1.000000
Sr 460.733	1	Lin, Calc Int	0.0	10830	0.00000	1.000000
Ti 334.940	1	Lin, Calc Int	0.0	18730	0.00000	1.000000
Ti 336.121	1	Lin, Calc Int	0.0	15940	0.00000	1.000000
Ti 337.279	1	Lin, Calc Int	0.0	7226	0.00000	1.000000
Tl 190.801	1	Lin, Calc Int	0.0	950.8	0.00000	1.000000
Tl 276.787	1	Lin, Calc Int	0.0	4528	0.00000	1.000000
Tl 351.924	1	Lin, Calc Int	0.0	0.0000	0.00000	0.000000
V 290.880	1	Lin, Calc Int	0.0	2616	0.00000	1.000000
V 309.310	1	Lin, Calc Int	0.0	5347	0.00000	1.000000
V 310.230	1	Lin, Calc Int	0.0	173900	0.00000	1.000000
Zn 202.548	1	Lin, Calc Int	0.0	921.5	0.00000	1.000000
Zn 206.200	1	Lin, Calc Int	-0.0	480.9	0.00000	1.000000
Zn 213.857	1	Lin, Calc Int	-0.0	2312	0.00000	1.000000

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Sequence No.: 10 **Autosampler Location: 17**
Sample ID: wash **Date Collected: 1/3/02 10:54:30 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: wash

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	297710.4						2077.51	0.70%
Y 360.073	3926282.7						47964.74	1.22%
Ag 328.068†	29.9	0.00021	mg/L	0.000276	0.00021	mg/L	0.000276	134.25%
Ag 338.289†	56.9	0.00063	mg/L	0.000158	0.00063	mg/L	0.000158	25.25%
Al 308.215†	63.4	0.1033	mg/L	0.01939	0.1033	mg/L	0.01939	18.77%
Al 394.401†	74.9	0.09678	mg/L	0.015996	0.09678	mg/L	0.015996	16.53%
Al 396.153†	314.7	0.09699	mg/L	0.017026	0.09699	mg/L	0.017026	17.55%
As 188.979†	0.4	0.01822	mg/L	0.010546	0.01822	mg/L	0.010546	57.89%
As 193.696†	-2.0	-0.00270	mg/L	0.001325	-0.00270	mg/L	0.001325	49.10%
As 197.197†	-0.3	-0.02624	mg/L	0.090026	-0.02624	mg/L	0.090026	343.03%
B 208.889†	-2.2	-0.01697	mg/L	0.021972	-0.01697	mg/L	0.021972	129.49%
B 249.677†	-4.2	-0.00452	mg/L	0.002446	-0.00452	mg/L	0.002446	54.06%
B 249.772†	-5.1	-0.00253	mg/L	0.000751	-0.00253	mg/L	0.000751	29.74%
Ba 233.527†	-1.2	-0.00042	mg/L	0.000639	-0.00042	mg/L	0.000639	150.46%
Ba 455.403†	-3.9	-0.00005	mg/L	0.000224	-0.00005	mg/L	0.000224	481.69%
Ba 493.408†	29.3	0.00018	mg/L	0.000372	0.00018	mg/L	0.000372	206.19%
Be 234.861†	-76.0	-0.00019	mg/L	0.000034	-0.00019	mg/L	0.000034	17.63%
Be 313.042†	2.0	0.00003	mg/L	0.000063	0.00003	mg/L	0.000063	217.06%
Be 313.107†	2.0	0.00003	mg/L	0.000063	0.00003	mg/L	0.000063	217.06%
Ca 315.887†	364.8	0.1224	mg/L	0.02226	0.1224	mg/L	0.02226	18.18%
Ca 317.933†	259.9	0.1108	mg/L	0.01482	0.1108	mg/L	0.01482	13.37%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	1.9	0.00005	mg/L	0.000103	0.00005	mg/L	0.000103	204.44%
Cd 228.802†	-0.6	-0.00027	mg/L	0.000171	-0.00027	mg/L	0.000171	62.72%
Ce 413.380†	6.8	0.00436	mg/L	0.008500	0.00436	mg/L	0.008500	194.94%
Ce 413.764†	-4.0	-0.00242	mg/L	0.003318	-0.00242	mg/L	0.003318	136.99%
Ce 418.660†	4.8	0.00152	mg/L	0.002605	0.00152	mg/L	0.002605	171.11%
Co 228.616†	-12.1	-0.00032	mg/L	0.000265	-0.00032	mg/L	0.000265	82.22%
Co 230.786†	1.2	0.00174	mg/L	0.002588	0.00174	mg/L	0.002588	149.15%
Co 238.892†	-1.7	-0.00180	mg/L	0.001089	-0.00180	mg/L	0.001089	60.34%
Cr 205.560†	-0.5	-0.00314	mg/L	0.001707	-0.00314	mg/L	0.001707	54.45%
Cr 267.716†	-4.9	-0.00018	mg/L	0.000127	-0.00018	mg/L	0.000127	72.36%
Cr 283.563†	3.4	0.00101	mg/L	0.000313	0.00101	mg/L	0.000313	30.91%
Cu 224.700†	0.5	0.00124	mg/L	0.005176	0.00124	mg/L	0.005176	417.58%
Cu 324.752†	-9.8	-0.00128	mg/L	0.000371	-0.00128	mg/L	0.000371	28.91%
Cu 327.393†	-102.2	-0.00153	mg/L	0.000288	-0.00153	mg/L	0.000288	18.86%
Fe 238.204†	187.4	0.08565	mg/L	0.016256	0.08565	mg/L	0.016256	18.98%
Fe 239.562†	142.0	0.08486	mg/L	0.017364	0.08486	mg/L	0.017364	20.46%
Fe 259.939†	365.2	0.08599	mg/L	0.016902	0.08599	mg/L	0.016902	19.66%
Fe 273.955†	63.4	0.09553	mg/L	0.020283	0.09553	mg/L	0.020283	21.23%

K 766.490†	-91.2	-0.2000 mg/L	0.01800	-0.2000 mg/L	0.01800	9.00%
Li 610.362†	113.0	0.01552 mg/L	0.011510	0.01552 mg/L	0.011510	74.18%
Li 670.784†	-297.7	-0.00561 mg/L	0.001130	-0.00561 mg/L	0.001130	20.13%
Mg 279.077†	69.4	0.1050 mg/L	0.01593	0.1050 mg/L	0.01593	15.16%
Mg 280.271†	11505.2	0.1156 mg/L	0.02141	0.1156 mg/L	0.02141	18.52%
Mg 285.213†	369.4	0.1088 mg/L	0.01783	0.1088 mg/L	0.01783	16.39%
Mn 257.610†	-5.9	-0.00034 mg/L	0.000166	-0.00034 mg/L	0.000166	48.05%
Mn 259.372†	-6.4	-0.00036 mg/L	0.000125	-0.00036 mg/L	0.000125	34.25%
Mn 260.568†	-2.6	-0.00023 mg/L	0.000105	-0.00023 mg/L	0.000105	45.79%
Mo 202.031†	0.8	0.00521 mg/L	0.005504	0.00521 mg/L	0.005504	105.57%
Mo 203.845†	-0.7	-0.00668 mg/L	0.010803	-0.00668 mg/L	0.010803	161.62%
Mo 204.597†	2.9	0.00040 mg/L	0.000169	0.00040 mg/L	0.000169	42.30%
Na 588.995†	1945.7	0.3891 mg/L	0.05288	0.3891 mg/L	0.05288	13.59%
Na 589.592†	1952.0	0.3715 mg/L	0.04573	0.3715 mg/L	0.04573	12.31%
Ni 221.648†	-0.8	-0.00499 mg/L	0.001174	-0.00499 mg/L	0.001174	23.54%
Ni 231.604†	0.2	0.00001 mg/L	0.000312	0.00001 mg/L	0.000312	>999.9%
Ni 232.003†	-0.5	-0.00145 mg/L	0.001638	-0.00145 mg/L	0.001638	113.02%
Pb 217.000†	0.0	0.00035 mg/L	0.015119	0.00035 mg/L	0.015119	>999.9%
Pb 220.353†	1.4	0.00052 mg/L	0.000900	0.00052 mg/L	0.000900	174.28%
Sb 206.836†	-2.0	-0.00090 mg/L	0.001125	-0.00090 mg/L	0.001125	125.38%
Sb 217.582†	-1.3	-0.03827 mg/L	0.003996	-0.03827 mg/L	0.003996	10.44%
Se 196.026†	-1.1	-0.00123 mg/L	0.002135	-0.00123 mg/L	0.002135	173.56%
Se 203.985†	3.3	0.00575 mg/L	0.004279	0.00575 mg/L	0.004279	74.36%
Sn 189.927†	-3.0	-0.00220 mg/L	0.000603	-0.00220 mg/L	0.000603	27.33%
Sn 235.485†	-1.1	-0.00968 mg/L	0.029200	-0.00968 mg/L	0.029200	301.50%
Sr 407.771†	-22.6	-0.00010 mg/L	0.000034	-0.00010 mg/L	0.000034	34.00%
Sr 421.552†	-9.3	-0.00004 mg/L	0.000062	-0.00004 mg/L	0.000062	165.69%
Sr 460.733†	-103.4	-0.00955 mg/L	0.011452	-0.00955 mg/L	0.011452	119.97%
Ti 334.940†	-1.2	-0.00007 mg/L	0.000105	-0.00007 mg/L	0.000105	159.85%
Ti 336.121†	-13.3	-0.00083 mg/L	0.000755	-0.00083 mg/L	0.000755	90.64%
Ti 337.279†	-2.1	-0.00029 mg/L	0.000266	-0.00029 mg/L	0.000266	92.64%
Tl 190.801†	4.4	0.00459 mg/L	0.001088	0.00459 mg/L	0.001088	23.70%
Tl 276.787†	12.9	0.00285 mg/L	0.000747	0.00285 mg/L	0.000747	26.22%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-1.9	-0.00072 mg/L	0.000266	-0.00072 mg/L	0.000266	36.68%
V 309.310†	-1.1	-0.00020 mg/L	0.000709	-0.00020 mg/L	0.000709	358.94%
V 310.230†	159.0	0.00091 mg/L	0.000643	0.00091 mg/L	0.000643	70.35%
Zn 202.548†	-3.3	-0.00361 mg/L	0.001946	-0.00361 mg/L	0.001946	53.97%
Zn 206.200†	-0.9	-0.00193 mg/L	0.000376	-0.00193 mg/L	0.000376	19.47%
Zn 213.857†	-9.2	-0.00398 mg/L	0.001231	-0.00398 mg/L	0.001231	30.95%

Sequence No.: 11 **Autosampler Location: 1**
Sample ID: BLANK **Date Collected: 1/3/02 10:59:02 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: BLANK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	297797.6						4694.74	1.58%
Y 360.073	3950127.5						28475.80	0.72%
Ag 328.068†	-30.6	-0.00021	mg/L	0.000274	-0.00021	mg/L	0.000274	130.74%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Ag 338.289†	38.1	0.00042	mg/L	0.000381	0.00042	mg/L	0.000381	90.99%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215†	7.1	0.01159	mg/L	0.003358	0.01159	mg/L	0.003358	28.98%
QC value within limits for Al 308.215 Recovery = Not calculated								
Al 394.401†	-0.7	-0.00086	mg/L	0.001354	-0.00086	mg/L	0.001354	157.99%
QC value within limits for Al 394.401 Recovery = Not calculated								
Al 396.153†	-7.3	-0.00239	mg/L	0.004872	-0.00239	mg/L	0.004872	203.58%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-0.3	-0.01664	mg/L	0.060109	-0.01664	mg/L	0.060109	361.22%
QC value within limits for As 188.979 Recovery = Not calculated								
As 193.696†	-1.5	-0.00198	mg/L	0.001328	-0.00198	mg/L	0.001328	67.15%
QC value within limits for As 193.696 Recovery = Not calculated								
As 197.197†	-0.4	-0.02974	mg/L	0.070123	-0.02974	mg/L	0.070123	235.80%
QC value within limits for As 197.197 Recovery = Not calculated								

B 208.889†	-3.6	-0.02772 mg/L	0.014543	-0.02772 mg/L	0.014543	52.47%
QC value within limits for B 208.889 Recovery = Not calculated						
B 249.677†	-5.7	-0.00614 mg/L	0.005663	-0.00614 mg/L	0.005663	92.20%
QC value within limits for B 249.677 Recovery = Not calculated						
B 249.772†	-0.8	-0.00040 mg/L	0.001068	-0.00040 mg/L	0.001068	267.50%
QC value within limits for B 249.772 Recovery = Not calculated						
Ba 233.527†	-1.5	-0.00052 mg/L	0.000239	-0.00052 mg/L	0.000239	45.88%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Ba 455.403†	-9.1	-0.00011 mg/L	0.000133	-0.00011 mg/L	0.000133	122.45%
QC value within limits for Ba 455.403 Recovery = Not calculated						
Ba 493.408†	3.7	0.00002 mg/L	0.000183	0.00002 mg/L	0.000183	795.73%
QC value within limits for Ba 493.408 Recovery = Not calculated						
Be 234.861†	-12.2	-0.00003 mg/L	0.000013	-0.00003 mg/L	0.000013	43.08%
QC value within limits for Be 234.861 Recovery = Not calculated						
Be 313.042†	1.8	0.00003 mg/L	0.000017	0.00003 mg/L	0.000017	65.40%
QC value within limits for Be 313.042 Recovery = Not calculated						
Be 313.107†	1.8	0.00003 mg/L	0.000017	0.00003 mg/L	0.000017	65.40%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	19.3	0.00647 mg/L	0.004181	0.00647 mg/L	0.004181	64.61%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Ca 317.933†	-15.5	-0.00662 mg/L	0.005890	-0.00662 mg/L	0.005890	88.93%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
QC value within limits for Cd 214.440 Recovery = Not calculated						
Cd 226.502†	2.3	0.00006 mg/L	0.000022	0.00006 mg/L	0.000022	36.46%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Cd 228.802†	-0.6	-0.00026 mg/L	0.000644	-0.00026 mg/L	0.000644	248.60%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Ce 413.380†	17.2	0.01104 mg/L	0.008070	0.01104 mg/L	0.008070	73.13%
QC value within limits for Ce 413.380 Recovery = Not calculated						
Ce 413.764†	0.0	0.00002 mg/L	0.002383	0.00002 mg/L	0.002383	>999.9%
QC value within limits for Ce 413.764 Recovery = Not calculated						
Ce 418.660†	20.8	0.00656 mg/L	0.010436	0.00656 mg/L	0.010436	159.01%
QC value within limits for Ce 418.660 Recovery = Not calculated						
Co 228.616†	12.1	0.00032 mg/L	0.000301	0.00032 mg/L	0.000301	93.93%
QC value within limits for Co 228.616 Recovery = Not calculated						
Co 230.786†	0.6	0.00079 mg/L	0.001748	0.00079 mg/L	0.001748	221.35%
QC value within limits for Co 230.786 Recovery = Not calculated						
Co 238.892†	-1.0	-0.00108 mg/L	0.000816	-0.00108 mg/L	0.000816	75.22%
QC value within limits for Co 238.892 Recovery = Not calculated						
Cr 205.560†	-0.5	-0.00323 mg/L	0.003229	-0.00323 mg/L	0.003229	99.86%
QC value within limits for Cr 205.560 Recovery = Not calculated						
Cr 267.716†	-3.1	-0.00011 mg/L	0.000082	-0.00011 mg/L	0.000082	74.40%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cr 283.563†	4.0	0.00118 mg/L	0.000082	0.00118 mg/L	0.000082	6.93%
QC value within limits for Cr 283.563 Recovery = Not calculated						
Cu 224.700†	0.6	0.00145 mg/L	0.002925	0.00145 mg/L	0.002925	201.25%
QC value within limits for Cu 224.700 Recovery = Not calculated						
Cu 324.752†	1.2	0.00016 mg/L	0.000379	0.00016 mg/L	0.000379	242.35%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Cu 327.393†	1.3	0.00002 mg/L	0.000637	0.00002 mg/L	0.000637	>999.9%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	0.7	0.00034 mg/L	0.001322	0.00034 mg/L	0.001322	391.38%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Fe 239.562†	1.2	0.00075 mg/L	0.002869	0.00075 mg/L	0.002869	384.94%
QC value within limits for Fe 239.562 Recovery = Not calculated						
Fe 259.939†	2.4	0.00056 mg/L	0.001830	0.00056 mg/L	0.001830	327.18%
QC value within limits for Fe 259.939 Recovery = Not calculated						
Fe 273.955†	1.4	0.00210 mg/L	0.001430	0.00210 mg/L	0.001430	67.98%
QC value within limits for Fe 273.955 Recovery = Not calculated						
K 766.490†	169.6	0.3717 mg/L	0.05537	0.3717 mg/L	0.05537	14.90%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 610.362†	21.0	0.00288 mg/L	0.017542	0.00288 mg/L	0.017542	608.32%
QC value within limits for Li 610.362 Recovery = Not calculated						
Li 670.784†	68.3	0.00129 mg/L	0.002103	0.00129 mg/L	0.002103	163.46%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	5.1	0.00773 mg/L	0.005372	0.00773 mg/L	0.005372	69.48%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Mg 280.271†	33.6	0.00034 mg/L	0.001533	0.00034 mg/L	0.001533	453.78%
QC value within limits for Mg 280.271 Recovery = Not calculated						

Mg 285.213†	3.4	0.00099 mg/L	0.001217	0.00099 mg/L	0.001217	123.10%
QC value within limits for Mg 285.213 Recovery = Not calculated						
Mn 257.610†	-2.1	-0.00012 mg/L	0.000071	-0.00012 mg/L	0.000071	56.75%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mn 259.372†	-8.2	-0.00033 mg/L	0.000141	-0.00033 mg/L	0.000141	42.77%
QC value within limits for Mn 259.372 Recovery = Not calculated						
Mn 260.568†	-1.5	-0.00014 mg/L	0.000110	-0.00014 mg/L	0.000110	80.27%
QC value within limits for Mn 260.568 Recovery = Not calculated						
Mo 202.031†	0.6	0.00394 mg/L	0.000473	0.00394 mg/L	0.000473	11.99%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Mo 203.845†	-0.0	-0.00014 mg/L	0.016538	-0.00014 mg/L	0.016538	>999.9%
QC value within limits for Mo 203.845 Recovery = Not calculated						
Mo 204.597†	-0.6	-0.00008 mg/L	0.000325	-0.00008 mg/L	0.000325	407.66%
QC value within limits for Mo 204.597 Recovery = Not calculated						
Na 588.995†	1500.1	0.3000 mg/L	0.01853	0.3000 mg/L	0.01853	6.18%
QC value within limits for Na 588.995 Recovery = Not calculated						
Na 589.592†	1459.9	0.2779 mg/L	0.02314	0.2779 mg/L	0.02314	8.33%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 221.648†	0.6	0.00359 mg/L	0.005407	0.00359 mg/L	0.005407	150.67%
QC value within limits for Ni 221.648 Recovery = Not calculated						
Ni 231.604†	-2.5	-0.00017 mg/L	0.000359	-0.00017 mg/L	0.000359	213.63%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Ni 232.003†	0.3	0.00100 mg/L	0.000559	0.00100 mg/L	0.000559	56.18%
QC value within limits for Ni 232.003 Recovery = Not calculated						
Pb 217.000†	-0.2	-0.00377 mg/L	0.005540	-0.00377 mg/L	0.005540	147.08%
QC value within limits for Pb 217.000 Recovery = Not calculated						
Pb 220.353†	5.5	0.00205 mg/L	0.001214	0.00205 mg/L	0.001214	59.19%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	2.2	0.00103 mg/L	0.000579	0.00103 mg/L	0.000579	56.44%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Sb 217.582†	-0.3	-0.00994 mg/L	0.013430	-0.00994 mg/L	0.013430	135.14%
QC value within limits for Sb 217.582 Recovery = Not calculated						
Se 196.026†	1.6	0.00181 mg/L	0.002613	0.00181 mg/L	0.002613	144.23%
QC value within limits for Se 196.026 Recovery = Not calculated						
Se 203.985†	3.3	0.00580 mg/L	0.001238	0.00580 mg/L	0.001238	21.36%
QC value within limits for Se 203.985 Recovery = Not calculated						
Sn 189.927†	-0.8	-0.00059 mg/L	0.001099	-0.00059 mg/L	0.001099	187.87%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sn 235.485†	-1.7	-0.01515 mg/L	0.005559	-0.01515 mg/L	0.005559	36.70%
QC value within limits for Sn 235.485 Recovery = Not calculated						
Sr 407.771†	-15.0	-0.00007 mg/L	0.000022	-0.00007 mg/L	0.000022	32.93%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Sr 421.552†	8.6	0.00003 mg/L	0.000068	0.00003 mg/L	0.000068	196.44%
QC value within limits for Sr 421.552 Recovery = Not calculated						
Sr 460.733†	-34.2	-0.00316 mg/L	0.004958	-0.00316 mg/L	0.004958	156.92%
QC value within limits for Sr 460.733 Recovery = Not calculated						
Ti 334.940†	0.0	0.00000 mg/L	0.000186	0.00000 mg/L	0.000186	>999.9%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Ti 336.121†	-7.1	-0.00044 mg/L	0.000637	-0.00044 mg/L	0.000637	143.28%
QC value within limits for Ti 336.121 Recovery = Not calculated						
Ti 337.279†	0.5	0.00007 mg/L	0.000234	0.00007 mg/L	0.000234	344.37%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	1.5	0.00160 mg/L	0.000409	0.00160 mg/L	0.000409	25.49%
QC value within limits for Tl 190.801 Recovery = Not calculated						
Tl 276.787†	7.3	0.00162 mg/L	0.001683	0.00162 mg/L	0.001683	104.01%
QC value within limits for Tl 276.787 Recovery = Not calculated						
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
QC value within limits for Tl 351.924 Recovery = Not calculated						
V 290.880†	-4.5	-0.00171 mg/L	0.000834	-0.00171 mg/L	0.000834	48.77%
QC value within limits for V 290.880 Recovery = Not calculated						
V 309.310†	2.6	0.00048 mg/L	0.000715	0.00048 mg/L	0.000715	149.21%
QC value within limits for V 309.310 Recovery = Not calculated						
V 310.230†	-25.8	-0.00015 mg/L	0.000018	-0.00015 mg/L	0.000018	12.23%
QC value within limits for V 310.230 Recovery = Not calculated						
Zn 202.548†	-0.5	-0.00052 mg/L	0.001276	-0.00052 mg/L	0.001276	244.54%
QC value within limits for Zn 202.548 Recovery = Not calculated						
Zn 206.200†	0.5	0.00095 mg/L	0.001363	0.00095 mg/L	0.001363	144.02%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Zn 213.857†	-1.0	-0.00043 mg/L	0.000510	-0.00043 mg/L	0.000510	119.64%
QC value within limits for Zn 213.857 Recovery = Not calculated						

All analytes passed QC.

Sequence No.: 12
Sample ID: LCM1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/3/02 11:03:29 AM
Sample Prep Volume:
Data Type: Original

Mean Data: LCM1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	300406.9						5715.37	1.90%
Y 360.073	3930219.2						48306.99	1.23%
Ag 328.068†	32841.2	0.2254	mg/L	0.00313	0.2254	mg/L	0.00313	1.39%
Ag 338.289†	20412.1	0.2243	mg/L	0.00251	0.2243	mg/L	0.00251	1.12%
Al 308.215†	598.9	0.9757	mg/L	0.02252	0.9757	mg/L	0.02252	2.31%
QC value within limits for Al 308.215 Recovery = 97.57%								
Al 394.401†	782.8	1.012	mg/L	0.0329	1.012	mg/L	0.0329	3.26%
QC value within limits for Al 394.401 Recovery = 101.18%								
Al 396.153†	3441.2	1.060	mg/L	0.0063	1.060	mg/L	0.0063	0.59%
QC value within limits for Al 396.153 Recovery = 105.99%								
As 188.979†	38.4	1.924	mg/L	0.1432	1.924	mg/L	0.1432	7.44%
QC value within limits for As 188.979 Recovery = 96.22%								
As 193.696†	1525.0	2.020	mg/L	0.0235	2.020	mg/L	0.0235	1.16%
QC value within limits for As 193.696 Recovery = 101.02%								
As 197.197†	25.8	2.027	mg/L	0.0127	2.027	mg/L	0.0127	0.63%
QC value within limits for As 197.197 Recovery = 101.36%								
B 208.889†	124.6	0.9538	mg/L	0.03768	0.9538	mg/L	0.03768	3.95%
QC value within limits for B 208.889 Recovery = 95.38%								
B 249.677†	895.5	0.9573	mg/L	0.02977	0.9573	mg/L	0.02977	3.11%
QC value within limits for B 249.677 Recovery = 95.73%								
B 249.772†	1932.2	0.9537	mg/L	0.02442	0.9537	mg/L	0.02442	2.56%
QC value within limits for B 249.772 Recovery = 95.37%								
Ba 233.527†	2924.7	1.031	mg/L	0.0060	1.031	mg/L	0.0060	0.59%
QC value within limits for Ba 233.527 Recovery = 103.09%								
Ba 455.403†	87513.3	1.038	mg/L	0.0029	1.038	mg/L	0.0029	0.28%
QC value within limits for Ba 455.403 Recovery = 103.77%								
Ba 493.408†	162400.9	0.9997	mg/L	0.00348	0.9997	mg/L	0.00348	0.35%
QC value within limits for Ba 493.408 Recovery = 99.97%								
Be 234.861†	394812.5	0.9902	mg/L	0.01791	0.9902	mg/L	0.01791	1.81%
QC value within limits for Be 234.861 Recovery = 99.02%								
Be 313.042†	65039.0	0.9740	mg/L	0.00186	0.9740	mg/L	0.00186	0.19%
QC value within limits for Be 313.042 Recovery = 97.40%								
Be 313.107†	65039.0	0.9740	mg/L	0.00186	0.9740	mg/L	0.00186	0.19%
QC value within limits for Be 313.107 Recovery = 97.40%								
Ca 315.887†	3146.3	1.056	mg/L	0.0303	1.056	mg/L	0.0303	2.87%
QC value within limits for Ca 315.887 Recovery = 105.60%								
Ca 317.933†	2402.2	1.024	mg/L	0.0029	1.024	mg/L	0.0029	0.28%
QC value within limits for Ca 317.933 Recovery = 102.42%								
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
QC value less than the lower limit for Cd 214.440 Recovery = 0.00%								
Cd 226.502†	37898.1	0.9818	mg/L	0.00865	0.9818	mg/L	0.00865	0.88%
QC value within limits for Cd 226.502 Recovery = 98.18%								
Cd 228.802†	2217.9	1.017	mg/L	0.0263	1.017	mg/L	0.0263	2.59%
QC value within limits for Cd 228.802 Recovery = 101.69%								
Ce 413.380†	1587.0	1.019	mg/L	0.0078	1.019	mg/L	0.0078	0.77%
QC value within limits for Ce 413.380 Recovery = 101.93%								
Ce 413.764†	1721.2	1.031	mg/L	0.0105	1.031	mg/L	0.0105	1.02%
QC value within limits for Ce 413.764 Recovery = 103.08%								
Ce 418.660†	3250.6	1.025	mg/L	0.0095	1.025	mg/L	0.0095	0.93%
QC value within limits for Ce 418.660 Recovery = 102.54%								
Co 228.616†	37343.9	0.9923	mg/L	0.01187	0.9923	mg/L	0.01187	1.20%
QC value within limits for Co 228.616 Recovery = 99.23%								
Co 230.786†	687.1	0.9802	mg/L	0.02316	0.9802	mg/L	0.02316	2.36%
QC value within limits for Co 230.786 Recovery = 98.02%								
Co 238.892†	905.3	0.9802	mg/L	0.02194	0.9802	mg/L	0.02194	2.24%
QC value within limits for Co 238.892 Recovery = 98.02%								
Cr 205.560†	149.0	1.002	mg/L	0.0177	1.002	mg/L	0.0177	1.77%

QC value within limits for Cr 205.560 Recovery = 100.23%

Cr 267.716†	27985.1	1.001 mg/L	0.0098	1.001 mg/L	0.0098	0.98%

QC value within limits for Cr 267.716 Recovery = 100.06%

Cr 283.563†	3445.9	1.011 mg/L	0.0190	1.011 mg/L	0.0190	1.88%

QC value within limits for Cr 283.563 Recovery = 101.08%

Cu 224.700†	408.0	0.9834 mg/L	0.03271	0.9834 mg/L	0.03271	3.33%

QC value within limits for Cu 224.700 Recovery = 98.34%

Cu 324.752†	7583.4	0.9957 mg/L	0.00672	0.9957 mg/L	0.00672	0.67%

QC value within limits for Cu 324.752 Recovery = 99.57%

Cu 327.393†	63481.1	0.9500 mg/L	0.01879	0.9500 mg/L	0.01879	1.98%

QC value within limits for Cu 327.393 Recovery = 95.00%

Fe 238.204†	2133.8	0.9753 mg/L	0.02453	0.9753 mg/L	0.02453	2.51%

QC value within limits for Fe 238.204 Recovery = 97.53%

Fe 239.562†	1632.3	0.9755 mg/L	0.02604	0.9755 mg/L	0.02604	2.67%

QC value within limits for Fe 239.562 Recovery = 97.55%

Fe 259.939†	4203.3	0.9896 mg/L	0.00339	0.9896 mg/L	0.00339	0.34%

QC value within limits for Fe 259.939 Recovery = 98.96%

Fe 273.955†	715.3	1.078 mg/L	0.0309	1.078 mg/L	0.0309	2.87%

QC value within limits for Fe 273.955 Recovery = 107.77%

K 766.490†	3110.8	6.820 mg/L	0.0362	6.820 mg/L	0.0362	0.53%

QC value greater than the upper limit for K 766.490 Recovery = 136.40%

Li 610.362†	7506.5	1.031 mg/L	0.0186	1.031 mg/L	0.0186	1.80%

QC value within limits for Li 610.362 Recovery = 103.10%

Li 670.784†	53270.4	1.004 mg/L	0.0022	1.004 mg/L	0.0022	0.22%

QC value within limits for Li 670.784 Recovery = 100.41%

Mg 279.077†	661.7	1.002 mg/L	0.0269	1.002 mg/L	0.0269	2.69%

QC value within limits for Mg 279.077 Recovery = 100.15%

Mg 280.271†	99405.4	0.9987 mg/L	0.00397	0.9987 mg/L	0.00397	0.40%

QC value within limits for Mg 280.271 Recovery = 99.87%

Mg 285.213†	3384.5	0.9971 mg/L	0.00645	0.9971 mg/L	0.00645	0.65%

QC value within limits for Mg 285.213 Recovery = 99.71%

Mn 257.610†	17532.8	1.032 mg/L	0.0023	1.032 mg/L	0.0023	0.23%

QC value within limits for Mn 257.610 Recovery = 103.24%

Mn 259.372†	27525.1	1.027 mg/L	0.0040	1.027 mg/L	0.0040	0.39%

QC value within limits for Mn 259.372 Recovery = 102.73%

Mn 260.568†	11505.8	1.031 mg/L	0.0022	1.031 mg/L	0.0022	0.21%

QC value within limits for Mn 260.568 Recovery = 103.06%

Mo 202.031†	142.1	0.9081 mg/L	0.01426	0.9081 mg/L	0.01426	1.57%

QC value within limits for Mo 202.031 Recovery = 90.81%

Mo 203.845†	86.3	0.8719 mg/L	0.02999	0.8719 mg/L	0.02999	3.44%

QC value less than the lower limit for Mo 203.845 Recovery = 87.19%

Mo 204.597†	6223.8	0.8653 mg/L	0.01624	0.8653 mg/L	0.01624	1.88%

QC value less than the lower limit for Mo 204.597 Recovery = 86.53%

Na 588.995†	5661.2	1.132 mg/L	0.0167	1.132 mg/L	0.0167	1.48%
Na 589.592†	5744.5	1.093 mg/L	0.0091	1.093 mg/L	0.0091	0.83%
Ni 221.648†	152.8	0.9448 mg/L	0.03104	0.9448 mg/L	0.03104	3.29%

QC value within limits for Ni 221.648 Recovery = 94.48%

Ni 231.604†	14819.7	0.9978 mg/L	0.01331	0.9978 mg/L	0.01331	1.33%

QC value within limits for Ni 231.604 Recovery = 99.78%

Ni 232.003†	316.9	0.9817 mg/L	0.01781	0.9817 mg/L	0.01781	1.81%

QC value within limits for Ni 232.003 Recovery = 98.17%

Pb 217.000†	98.5	1.938 mg/L	0.0336	1.938 mg/L	0.0336	1.73%

QC value within limits for Pb 217.000 Recovery = 96.88%

Pb 220.353†	5406.9	2.000 mg/L	0.0218	2.000 mg/L	0.0218	1.09%

QC value within limits for Pb 220.353 Recovery = 99.98%

Sb 206.836†	4039.7	1.843 mg/L	0.0159	1.843 mg/L	0.0159	0.86%

QC value within limits for Sb 206.836 Recovery = 92.13%

Sb 217.582†	62.4	1.852 mg/L	0.0658	1.852 mg/L	0.0658	3.55%

QC value within limits for Sb 217.582 Recovery = 92.61%

Se 196.026†	921.3	1.037 mg/L	0.0219	1.037 mg/L	0.0219	2.11%

QC value within limits for Se 196.026 Recovery = 103.68%

Se 203.985†	601.0	1.057 mg/L	0.0224	1.057 mg/L	0.0224	2.12%

QC value within limits for Se 203.985 Recovery = 105.72%

Sn 189.927†	6130.7	4.511 mg/L	0.0544	4.511 mg/L	0.0544	1.21%

QC value within limits for Sn 189.927 Recovery = 90.23%

Sn 235.485†	503.1	4.609 mg/L	0.1251	4.609 mg/L	0.1251	2.71%

QC value within limits for Sn 235.485 Recovery = 92.18%

Sr 407.771†	229705.9	1.025 mg/L	0.0017	1.025 mg/L	0.0017	0.16%

QC value within limits for Sr 407.771 Recovery = 102.55%

Sr 421.552†	257250.5	1.030 mg/L	0.0014	1.030 mg/L	0.0014	0.14%

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   QC value within limits for Sr 421.552  Recovery = 103.04%
Sr 460.733†          11019.1      1.018 mg/L      0.0061      1.018 mg/L      0.0061   0.59%
   QC value within limits for Sr 460.733  Recovery = 101.78%
Ti 334.940†          16968.3     0.9059 mg/L     0.00064     0.9059 mg/L     0.00064   0.07%
   QC value within limits for Ti 334.940  Recovery = 90.59%
Ti 336.121†          14464.1     0.9076 mg/L     0.00274     0.9076 mg/L     0.00274   0.30%
   QC value within limits for Ti 336.121  Recovery = 90.76%
Ti 337.279†           6531.4     0.9038 mg/L     0.00128     0.9038 mg/L     0.00128   0.14%
   QC value within limits for Ti 337.279  Recovery = 90.38%
Tl 190.801†           4450.5      4.681 mg/L      0.0755      4.681 mg/L      0.0755   1.61%
   QC value within limits for Tl 190.801  Recovery = 93.62%
Tl 276.787†          20484.9      4.524 mg/L      0.0519      4.524 mg/L      0.0519   1.15%
   QC value within limits for Tl 276.787  Recovery = 90.48%
Tl 351.924†             0.0    0.00000 mg/L    0.000000    0.00000 mg/L    0.000000   0.00%
   QC value less than the lower limit for Tl 351.924  Recovery = 0.00%
V 290.880†           2612.4     0.9986 mg/L     0.00421     0.9986 mg/L     0.00421   0.42%
   QC value within limits for V 290.880  Recovery = 99.86%
V 309.310†           5366.3      1.004 mg/L      0.0012      1.004 mg/L      0.0012   0.12%
   QC value within limits for V 309.310  Recovery = 100.36%
V 310.230†         170570.3     0.9809 mg/L     0.01465     0.9809 mg/L     0.01465   1.49%
   QC value within limits for V 310.230  Recovery = 98.09%
Zn 202.548†           918.1     0.9889 mg/L     0.02247     0.9889 mg/L     0.02247   2.27%
   QC value within limits for Zn 202.548  Recovery = 98.89%
Zn 206.200†           474.4     0.9864 mg/L     0.01912     0.9864 mg/L     0.01912   1.94%
   QC value within limits for Zn 206.200  Recovery = 98.64%
Zn 213.857†           2292.4     0.9860 mg/L     0.02475     0.9860 mg/L     0.02475   2.51%
   QC value within limits for Zn 213.857  Recovery = 98.60%
QC Failed.  Continue with analysis.
```

Sequence No.: 13
Sample ID: LCM2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 1/3/02 11:08:02 AM
Sample Prep Volume:
Data Type: Original

Mean Data: LCM2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	296382.3						1879.65	0.63%
Y 360.073	3917105.8						42483.56	1.08%
Ag 328.068†	9567.4	0.06566	mg/L	0.000326	0.06566	mg/L	0.000326	0.50%
QC value greater than the upper limit for Ag 328.068 Recovery = 131.32%								
Ag 338.289†	6001.3	0.06594	mg/L	0.000749	0.06594	mg/L	0.000749	1.14%
QC value greater than the upper limit for Ag 338.289 Recovery = 131.89%								
Al 308.215†	10.6	0.01735	mg/L	0.002120	0.01735	mg/L	0.002120	12.22%
Al 394.401†	3.4	0.00437	mg/L	0.004915	0.00437	mg/L	0.004915	112.55%
Al 396.153†	33.2	0.01011	mg/L	0.003036	0.01011	mg/L	0.003036	30.02%
As 188.979†	-0.8	-0.03912	mg/L	0.045782	-0.03912	mg/L	0.045782	117.03%
As 193.696†	-2.8	-0.00373	mg/L	0.002711	-0.00373	mg/L	0.002711	72.60%
As 197.197†	-0.4	-0.03523	mg/L	0.086865	-0.03523	mg/L	0.086865	246.58%
B 208.889†	-0.3	-0.00266	mg/L	0.009121	-0.00266	mg/L	0.009121	342.31%
B 249.677†	10.7	0.01148	mg/L	0.001256	0.01148	mg/L	0.001256	10.94%
B 249.772†	28.5	0.01405	mg/L	0.001532	0.01405	mg/L	0.001532	10.90%
Ba 233.527†	0.3	0.00010	mg/L	0.000629	0.00010	mg/L	0.000629	616.37%
Ba 455.403†	29.7	0.00035	mg/L	0.000049	0.00035	mg/L	0.000049	13.86%
Ba 493.408†	28.0	0.00017	mg/L	0.000193	0.00017	mg/L	0.000193	111.78%
Be 234.861†	14.5	0.00004	mg/L	0.000016	0.00004	mg/L	0.000016	44.99%
Be 313.042†	10.3	0.00015	mg/L	0.000092	0.00015	mg/L	0.000092	60.17%
Be 313.107†	10.3	0.00015	mg/L	0.000092	0.00015	mg/L	0.000092	60.17%
Ca 315.887†	87.7	0.02944	mg/L	0.003403	0.02944	mg/L	0.003403	11.56%
Ca 317.933†	37.8	0.01609	mg/L	0.002228	0.01609	mg/L	0.002228	13.84%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	5.6	0.00014	mg/L	0.000047	0.00014	mg/L	0.000047	32.29%
Cd 228.802†	1.1	0.00050	mg/L	0.000213	0.00050	mg/L	0.000213	42.25%
Ce 413.380†	9.3	0.00599	mg/L	0.003579	0.00599	mg/L	0.003579	59.78%
Ce 413.764†	6.6	0.00395	mg/L	0.009215	0.00395	mg/L	0.009215	233.20%
Ce 418.660†	6.9	0.00219	mg/L	0.004106	0.00219	mg/L	0.004106	187.51%
Co 228.616†	1.4	0.00004	mg/L	0.000282	0.00004	mg/L	0.000282	770.39%

Co 230.786†	0.6	0.00089 mg/L	0.001012	0.00089 mg/L	0.001012	114.30%
Co 238.892†	0.3	0.00033 mg/L	0.000716	0.00033 mg/L	0.000716	217.55%
Cr 205.560†	-0.6	-0.00416 mg/L	0.003716	-0.00416 mg/L	0.003716	89.34%
Cr 267.716†	2.9	0.00010 mg/L	0.000124	0.00010 mg/L	0.000124	119.99%
Cr 283.563†	2.9	0.00085 mg/L	0.000907	0.00085 mg/L	0.000907	106.97%
Cu 224.700†	1.3	0.00313 mg/L	0.002314	0.00313 mg/L	0.002314	73.96%
Cu 324.752†	4.6	0.00060 mg/L	0.000507	0.00060 mg/L	0.000507	84.74%
Cu 327.393†	12.9	0.00019 mg/L	0.000122	0.00019 mg/L	0.000122	63.13%
Fe 238.204†	4.6	0.00210 mg/L	0.000724	0.00210 mg/L	0.000724	34.42%
Fe 239.562†	4.8	0.00288 mg/L	0.000866	0.00288 mg/L	0.000866	30.12%
Fe 259.939†	10.9	0.00257 mg/L	0.000536	0.00257 mg/L	0.000536	20.84%
Fe 273.955†	1.3	0.00196 mg/L	0.003243	0.00196 mg/L	0.003243	165.64%
K 766.490†	-14.2	-0.03118 mg/L	0.038207	-0.03118 mg/L	0.038207	122.52%
Li 610.362†	4.2	0.00058 mg/L	0.008710	0.00058 mg/L	0.008710	>999.9%
Li 670.784†	74.5	0.00140 mg/L	0.000502	0.00140 mg/L	0.000502	35.79%
Mg 279.077†	3.9	0.00594 mg/L	0.006357	0.00594 mg/L	0.006357	106.96%
Mg 280.271†	286.1	0.00287 mg/L	0.000958	0.00287 mg/L	0.000958	33.33%
Mg 285.213†	11.8	0.00348 mg/L	0.000933	0.00348 mg/L	0.000933	26.83%
Mn 257.610†	1.8	0.00011 mg/L	0.000015	0.00011 mg/L	0.000015	13.59%
Mn 259.372†	3.2	0.00008 mg/L	0.000069	0.00008 mg/L	0.000069	83.77%
Mn 260.568†	1.0	0.00009 mg/L	0.000205	0.00009 mg/L	0.000205	223.18%
Mo 202.031†	1.2	0.00738 mg/L	0.008268	0.00738 mg/L	0.008268	112.02%
Mo 203.845†	-2.0	-0.01996 mg/L	0.022348	-0.01996 mg/L	0.022348	111.95%
Mo 204.597†	4.2	0.00058 mg/L	0.000249	0.00058 mg/L	0.000249	42.98%
Na 588.995†	418.2	0.08363 mg/L	0.011627	0.08363 mg/L	0.011627	13.90%
Na 589.592†	400.2	0.07617 mg/L	0.010448	0.07617 mg/L	0.010448	13.72%
Ni 221.648†	-0.0	-0.00005 mg/L	0.003623	-0.00005 mg/L	0.003623	>999.9%
Ni 231.604†	3.4	0.00023 mg/L	0.000318	0.00023 mg/L	0.000318	138.55%
Ni 232.003†	1.6	0.00495 mg/L	0.001325	0.00495 mg/L	0.001325	26.76%
Pb 217.000†	0.5	0.00941 mg/L	0.010849	0.00941 mg/L	0.010849	115.28%
Pb 220.353†	7.1	0.00262 mg/L	0.000739	0.00262 mg/L	0.000739	28.16%
Sb 206.836†	1.6	0.00072 mg/L	0.000842	0.00072 mg/L	0.000842	117.11%
Sb 217.582†	-0.5	-0.01593 mg/L	0.008010	-0.01593 mg/L	0.008010	50.29%
Se 196.026†	-1.9	-0.00217 mg/L	0.001386	-0.00217 mg/L	0.001386	63.75%
Se 203.985†	0.9	0.00167 mg/L	0.005551	0.00167 mg/L	0.005551	332.44%
Sn 189.927†	14.9	0.01096 mg/L	0.001113	0.01096 mg/L	0.001113	10.16%
Sn 235.485†	1.1	0.01035 mg/L	0.020319	0.01035 mg/L	0.020319	196.26%
Sr 407.771†	31.4	0.00014 mg/L	0.000066	0.00014 mg/L	0.000066	47.25%
Sr 421.552†	56.6	0.00023 mg/L	0.000083	0.00023 mg/L	0.000083	36.83%
Sr 460.733†	-54.7	-0.00505 mg/L	0.002444	-0.00505 mg/L	0.002444	48.40%
Ti 334.940†	11.6	0.00062 mg/L	0.000032	0.00062 mg/L	0.000032	5.12%
Ti 336.121†	3.4	0.00022 mg/L	0.000992	0.00022 mg/L	0.000992	461.24%
Ti 337.279†	5.5	0.00076 mg/L	0.000180	0.00076 mg/L	0.000180	23.80%
Tl 190.801†	3.7	0.00384 mg/L	0.000958	0.00384 mg/L	0.000958	24.95%
Tl 276.787†	20.3	0.00449 mg/L	0.003022	0.00449 mg/L	0.003022	67.29%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-2.3	-0.00089 mg/L	0.000909	-0.00089 mg/L	0.000909	102.44%
V 309.310†	2.0	0.00038 mg/L	0.000787	0.00038 mg/L	0.000787	209.38%
V 310.230†	-257.1	-0.00148 mg/L	0.000356	-0.00148 mg/L	0.000356	24.05%
Zn 202.548†	3.7	0.00403 mg/L	0.002242	0.00403 mg/L	0.002242	55.66%
Zn 206.200†	2.2	0.00460 mg/L	0.000691	0.00460 mg/L	0.000691	15.01%
Zn 213.857†	9.6	0.00417 mg/L	0.000203	0.00417 mg/L	0.000203	4.87%

QC Failed. Continue with analysis.

Sequence No.: 14
Sample ID: Hi AQC
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 1/3/02 11:12:30 AM
Sample Prep Volume:
Data Type: Original

Mean Data: Hi AQC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	292842.2						2832.93	0.97%
Y 360.073	3780779.3						22533.26	0.60%
Ag 328.068†	-143.9	-0.00099	mg/L	0.000167	-0.00099	mg/L	0.000167	16.96%
Ag 338.289†	184.2	0.00202	mg/L	0.000336	0.00202	mg/L	0.000336	16.61%
Al 308.215†	58066.5	94.60	mg/L	0.440	94.60	mg/L	0.440	0.47%

QC value within limits for Al 308.215 Recovery = 94.60%

Al 394.401†	77338.2	99.96 mg/L	0.383	99.96 mg/L	0.383	0.38%
Al 396.153†	322770.4	99.71 mg/L	0.295	99.71 mg/L	0.295	0.30%
As 188.979†	0.5	0.02460 mg/L	0.070726	0.02460 mg/L	0.070726	287.51%
As 193.696†	11.2	0.01484 mg/L	0.007737	0.01484 mg/L	0.007737	52.14%
As 197.197†	0.2	0.01551 mg/L	0.084568	0.01551 mg/L	0.084568	545.41%
B 208.889†	-0.5	-0.00349 mg/L	0.022763	-0.00349 mg/L	0.022763	651.70%
B 249.677†	3.6	0.00381 mg/L	0.003182	0.00381 mg/L	0.003182	83.52%
B 249.772†	313.0	0.1545 mg/L	0.00224	0.1545 mg/L	0.00224	1.45%
Ba 233.527†	2.6	0.00090 mg/L	0.000563	0.00090 mg/L	0.000563	62.60%
Ba 455.403†	14.9	0.00018 mg/L	0.000174	0.00018 mg/L	0.000174	98.56%
Ba 493.408†	125.2	0.00077 mg/L	0.000266	0.00077 mg/L	0.000266	34.54%
Be 234.861†	-121145.7	-0.3038 mg/L	0.00681	-0.3038 mg/L	0.00681	2.24%
Be 313.042†	19.6	0.00029 mg/L	0.000021	0.00029 mg/L	0.000021	7.23%
Be 313.107†	19.6	0.00029 mg/L	0.000021	0.00029 mg/L	0.000021	7.23%
Ca 315.887†	299251.8	100.4 mg/L	0.48	100.4 mg/L	0.48	0.48%

QC value within limits for Ca 315.887 Recovery = 100.44%

Ca 317.933†	228424.8	97.39 mg/L	0.452	97.39 mg/L	0.452	0.46%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	79.0	0.00205 mg/L	0.000118	0.00205 mg/L	0.000118	5.78%
Cd 228.802†	1.2	0.00056 mg/L	0.001025	0.00056 mg/L	0.001025	181.53%
Ce 413.380†	53.2	0.03419 mg/L	0.016566	0.03419 mg/L	0.016566	48.45%
Ce 413.764†	3.2	0.00189 mg/L	0.003373	0.00189 mg/L	0.003373	178.11%
Ce 418.660†	40.4	0.01274 mg/L	0.023365	0.01274 mg/L	0.023365	183.42%
Co 228.616†	-67.2	-0.00179 mg/L	0.000356	-0.00179 mg/L	0.000356	19.95%
Co 230.786†	-0.8	-0.00116 mg/L	0.000815	-0.00116 mg/L	0.000815	70.38%
Co 238.892†	8.9	0.00968 mg/L	0.010905	0.00968 mg/L	0.010905	112.65%
Cr 205.560†	-1.9	-0.01254 mg/L	0.004283	-0.01254 mg/L	0.004283	34.16%
Cr 267.716†	-13.5	-0.00048 mg/L	0.000110	-0.00048 mg/L	0.000110	22.90%
Cr 283.563†	41.8	0.01227 mg/L	0.000934	0.01227 mg/L	0.000934	7.62%
Cu 224.700†	2.1	0.00513 mg/L	0.003174	0.00513 mg/L	0.003174	61.88%
Cu 324.752†	-6.6	-0.00087 mg/L	0.000281	-0.00087 mg/L	0.000281	32.25%
Cu 327.393†	-24.3	-0.00036 mg/L	0.000376	-0.00036 mg/L	0.000376	103.32%
Fe 238.204†	199447.5	91.17 mg/L	0.349	91.17 mg/L	0.349	0.38%
Fe 239.562†	153220.8	91.57 mg/L	0.378	91.57 mg/L	0.378	0.41%
Fe 259.939†	391061.3	92.07 mg/L	0.297	92.07 mg/L	0.297	0.32%
Fe 273.955†	67479.3	101.7 mg/L	0.47	101.7 mg/L	0.47	0.46%

QC value within limits for Fe 273.955 Recovery = 101.66%

K 766.490†	61649.3	135.2 mg/L	0.09	135.2 mg/L	0.09	0.06%

QC value greater than the upper limit for K 766.490 Recovery = 135.16%

Li 610.362†	-91.9	-0.01262 mg/L	0.004010	-0.01262 mg/L	0.004010	31.78%
Li 670.784†	-44.5	-0.00084 mg/L	0.000481	-0.00084 mg/L	0.000481	57.35%
Mg 279.077†	37966.9	57.47 mg/L	0.945	57.47 mg/L	0.945	1.64%

QC value within limits for Mg 279.077 Recovery = 95.78%

Mg 280.271†	5402358.6	54.28 mg/L	0.192	54.28 mg/L	0.192	0.35%
Mg 285.213†	182005.7	53.62 mg/L	0.212	53.62 mg/L	0.212	0.40%
Mn 257.610†	50.2	0.00296 mg/L	0.000207	0.00296 mg/L	0.000207	7.01%
Mn 259.372†	2950.7	0.00620 mg/L	0.000786	0.00620 mg/L	0.000786	12.67%
Mn 260.568†	12.4	0.00111 mg/L	0.000175	0.00111 mg/L	0.000175	15.70%
Mo 202.031†	-5.4	-0.03427 mg/L	0.008909	-0.03427 mg/L	0.008909	26.00%
Mo 203.845†	1.0	0.00971 mg/L	0.004116	0.00971 mg/L	0.004116	42.37%
Mo 204.597†	12.6	0.00176 mg/L	0.000478	0.00176 mg/L	0.000478	27.25%
Na 588.995†	478624.4	95.71 mg/L	0.368	95.71 mg/L	0.368	0.38%
Na 589.592†	509381.0	96.95 mg/L	0.310	96.95 mg/L	0.310	0.32%

QC value within limits for Na 589.592 Recovery = 96.95%

Ni 221.648†	-0.3	-0.00214 mg/L	0.001648	-0.00214 mg/L	0.001648	77.02%
Ni 231.604†	25.2	0.00169 mg/L	0.000382	0.00169 mg/L	0.000382	22.57%
Ni 232.003†	2.5	0.00764 mg/L	0.001905	0.00764 mg/L	0.001905	24.93%
Pb 217.000†	-0.1	-0.00151 mg/L	0.010053	-0.00151 mg/L	0.010053	665.69%
Pb 220.353†	5.3	0.00196 mg/L	0.001183	0.00196 mg/L	0.001183	60.40%
Sb 206.836†	5.9	0.00271 mg/L	0.003206	0.00271 mg/L	0.003206	118.25%
Sb 217.582†	1.5	0.04383 mg/L	0.016148	0.04383 mg/L	0.016148	36.85%
Se 196.026†	2.2	0.00249 mg/L	0.004334	0.00249 mg/L	0.004334	174.12%
Se 203.985†	8.0	0.01411 mg/L	0.005212	0.01411 mg/L	0.005212	36.93%
Sn 189.927†	1.3	0.00097 mg/L	0.001403	0.00097 mg/L	0.001403	144.53%
Sn 235.485†	568.6	5.210 mg/L	0.2579	5.210 mg/L	0.2579	4.95%
Sr 407.771†	651.8	0.00291 mg/L	0.000101	0.00291 mg/L	0.000101	3.48%
Sr 421.552†	828.9	0.00332 mg/L	0.000148	0.00332 mg/L	0.000148	4.44%
Sr 460.733†	-15.0	-0.00138 mg/L	0.003390	-0.00138 mg/L	0.003390	245.23%
Ti 334.940†	26.3	0.00140 mg/L	0.000148	0.00140 mg/L	0.000148	10.54%

Ti 336.121†	17.5	0.00110 mg/L	0.000211	0.00110 mg/L	0.000211	19.23%
Ti 337.279†	12.7	0.00175 mg/L	0.000597	0.00175 mg/L	0.000597	34.07%
Tl 190.801†	2.8	0.00290 mg/L	0.001657	0.00290 mg/L	0.001657	57.03%
Tl 276.787†	6128.2	1.353 mg/L	0.0397	1.353 mg/L	0.0397	2.93%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	59.7	0.02283 mg/L	0.001404	0.02283 mg/L	0.001404	6.15%
V 309.310†	-203.9	-0.03814 mg/L	0.003643	-0.03814 mg/L	0.003643	9.55%
V 310.230†	134.0	0.00077 mg/L	0.000392	0.00077 mg/L	0.000392	50.82%
Zn 202.548†	11.1	0.00839 mg/L	0.003927	0.00839 mg/L	0.003927	46.81%
Zn 206.200†	-2.1	-0.00442 mg/L	0.001742	-0.00442 mg/L	0.001742	39.38%
Zn 213.857†	55.7	0.01515 mg/L	0.000870	0.01515 mg/L	0.000870	5.75%

QC Failed. Continue with analysis.

Sequence No.: 15
Sample ID: wash
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 1/3/02 11:17:17 AM

Sample Prep Volume:
Data Type: Original

Mean Data: wash

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	303085.2						3522.46	1.16%
Y 360.073	3938939.0						31604.97	0.80%
Ag 328.068†	-23.7	-0.00016	mg/L	0.000062	-0.00016	mg/L	0.000062	37.77%
Ag 338.289†	50.1	0.00055	mg/L	0.000771	0.00055	mg/L	0.000771	140.04%
Al 308.215†	10.9	0.01776	mg/L	0.002443	0.01776	mg/L	0.002443	13.76%
Al 394.401†	1.7	0.00219	mg/L	0.010076	0.00219	mg/L	0.010076	459.49%
Al 396.153†	15.0	0.00449	mg/L	0.001975	0.00449	mg/L	0.001975	44.02%
As 188.979†	-1.0	-0.04860	mg/L	0.035466	-0.04860	mg/L	0.035466	72.98%
As 193.696†	-0.7	-0.00095	mg/L	0.001993	-0.00095	mg/L	0.001993	208.90%
As 197.197†	-0.6	-0.04534	mg/L	0.045886	-0.04534	mg/L	0.045886	101.21%
B 208.889†	-3.2	-0.02472	mg/L	0.011776	-0.02472	mg/L	0.011776	47.64%
B 249.677†	-1.6	-0.00175	mg/L	0.002174	-0.00175	mg/L	0.002174	124.41%
B 249.772†	-3.3	-0.00163	mg/L	0.001136	-0.00163	mg/L	0.001136	69.78%
Ba 233.527†	-1.8	-0.00064	mg/L	0.000541	-0.00064	mg/L	0.000541	84.51%
Ba 455.403†	-10.3	-0.00012	mg/L	0.000077	-0.00012	mg/L	0.000077	63.06%
Ba 493.408†	-61.9	-0.00038	mg/L	0.000239	-0.00038	mg/L	0.000239	62.62%
Be 234.861†	6.6	0.00002	mg/L	0.000009	0.00002	mg/L	0.000009	55.09%
Be 313.042†	-0.4	-0.00001	mg/L	0.000032	-0.00001	mg/L	0.000032	481.11%
Be 313.107†	-0.4	-0.00001	mg/L	0.000032	-0.00001	mg/L	0.000032	481.11%
Ca 315.887†	33.4	0.01121	mg/L	0.003114	0.01121	mg/L	0.003114	27.78%
Ca 317.933†	-10.8	-0.00461	mg/L	0.004790	-0.00461	mg/L	0.004790	103.91%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	0.7	0.00002	mg/L	0.000036	0.00002	mg/L	0.000036	196.96%
Cd 228.802†	1.5	0.00070	mg/L	0.000042	0.00070	mg/L	0.000042	5.98%
Ce 413.380†	7.0	0.00449	mg/L	0.004608	0.00449	mg/L	0.004608	102.55%
Ce 413.764†	2.8	0.00169	mg/L	0.003568	0.00169	mg/L	0.003568	210.76%
Ce 418.660†	-36.3	-0.01144	mg/L	0.014210	-0.01144	mg/L	0.014210	124.22%
Co 228.616†	5.2	0.00014	mg/L	0.000169	0.00014	mg/L	0.000169	123.49%
Co 230.786†	1.1	0.00151	mg/L	0.000971	0.00151	mg/L	0.000971	64.47%
Co 238.892†	-1.1	-0.00124	mg/L	0.001899	-0.00124	mg/L	0.001899	152.97%
Cr 205.560†	-0.5	-0.00328	mg/L	0.005572	-0.00328	mg/L	0.005572	170.06%
Cr 267.716†	-3.7	-0.00013	mg/L	0.000109	-0.00013	mg/L	0.000109	82.26%
Cr 283.563†	2.0	0.00059	mg/L	0.000259	0.00059	mg/L	0.000259	44.05%
Cu 224.700†	0.4	0.00103	mg/L	0.001563	0.00103	mg/L	0.001563	152.11%
Cu 324.752†	-8.1	-0.00106	mg/L	0.000487	-0.00106	mg/L	0.000487	45.79%
Cu 327.393†	-96.3	-0.00144	mg/L	0.000399	-0.00144	mg/L	0.000399	27.65%
Fe 238.204†	13.4	0.00611	mg/L	0.001446	0.00611	mg/L	0.001446	23.68%
Fe 239.562†	8.8	0.00529	mg/L	0.001437	0.00529	mg/L	0.001437	27.19%
Fe 259.939†	28.7	0.00676	mg/L	0.001275	0.00676	mg/L	0.001275	18.86%
Fe 273.955†	5.7	0.00851	mg/L	0.003174	0.00851	mg/L	0.003174	37.28%
K 766.490†	-124.4	-0.2727	mg/L	0.03800	-0.2727	mg/L	0.03800	13.93%
Li 610.362†	64.5	0.00886	mg/L	0.009515	0.00886	mg/L	0.009515	107.34%
Li 670.784†	-246.3	-0.00464	mg/L	0.000853	-0.00464	mg/L	0.000853	18.37%
Mg 279.077†	0.1	0.00020	mg/L	0.011869	0.00020	mg/L	0.011869	>999.9%
Mg 280.271†	635.8	0.00639	mg/L	0.000408	0.00639	mg/L	0.000408	6.39%
Mg 285.213†	24.3	0.00717	mg/L	0.000672	0.00717	mg/L	0.000672	9.37%

Mn 257.610†	-4.4	-0.00026 mg/L	0.000069	-0.00026 mg/L	0.000069	26.34%
Mn 259.372†	-5.2	-0.00023 mg/L	0.000255	-0.00023 mg/L	0.000255	110.95%
Mn 260.568†	-2.5	-0.00022 mg/L	0.000084	-0.00022 mg/L	0.000084	37.37%
Mo 202.031†	0.9	0.00575 mg/L	0.002539	0.00575 mg/L	0.002539	44.12%
Mo 203.845†	-0.8	-0.00825 mg/L	0.010942	-0.00825 mg/L	0.010942	132.59%
Mo 204.597†	-1.5	-0.00020 mg/L	0.000301	-0.00020 mg/L	0.000301	147.34%
Na 588.995†	55.0	0.01100 mg/L	0.015536	0.01100 mg/L	0.015536	141.25%
Na 589.592†	-204.5	-0.03892 mg/L	0.013986	-0.03892 mg/L	0.013986	35.93%
Ni 221.648†	0.3	0.00160 mg/L	0.000304	0.00160 mg/L	0.000304	19.00%
Ni 231.604†	0.1	0.00000 mg/L	0.000307	0.00000 mg/L	0.000307	>999.9%
Ni 232.003†	0.6	0.00171 mg/L	0.003431	0.00171 mg/L	0.003431	200.86%
Pb 217.000†	0.6	0.01274 mg/L	0.012757	0.01274 mg/L	0.012757	100.17%
Pb 220.353†	-2.6	-0.00096 mg/L	0.001262	-0.00096 mg/L	0.001262	131.72%
Sb 206.836†	0.5	0.00021 mg/L	0.001325	0.00021 mg/L	0.001325	638.14%
Sb 217.582†	-0.5	-0.01504 mg/L	0.013456	-0.01504 mg/L	0.013456	89.48%
Se 196.026†	-2.9	-0.00327 mg/L	0.004158	-0.00327 mg/L	0.004158	127.31%
Se 203.985†	2.2	0.00379 mg/L	0.007870	0.00379 mg/L	0.007870	207.82%
Sn 189.927†	-1.8	-0.00136 mg/L	0.000839	-0.00136 mg/L	0.000839	61.72%
Sn 235.485†	1.9	0.01717 mg/L	0.009191	0.01717 mg/L	0.009191	53.52%
Sr 407.771†	-39.4	-0.00018 mg/L	0.000074	-0.00018 mg/L	0.000074	42.14%
Sr 421.552†	-33.2	-0.00013 mg/L	0.000031	-0.00013 mg/L	0.000031	23.26%
Sr 460.733†	2.8	0.00026 mg/L	0.007424	0.00026 mg/L	0.007424	>999.9%
Ti 334.940†	-3.1	-0.00016 mg/L	0.000045	-0.00016 mg/L	0.000045	27.64%
Ti 336.121†	-3.7	-0.00023 mg/L	0.001031	-0.00023 mg/L	0.001031	446.28%
Ti 337.279†	3.9	0.00054 mg/L	0.000270	0.00054 mg/L	0.000270	49.88%
Tl 190.801†	-0.3	-0.00032 mg/L	0.000476	-0.00032 mg/L	0.000476	147.73%
Tl 276.787†	3.4	0.00074 mg/L	0.002723	0.00074 mg/L	0.002723	366.51%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-1.2	-0.00047 mg/L	0.000159	-0.00047 mg/L	0.000159	34.22%
V 309.310†	0.5	0.00010 mg/L	0.000386	0.00010 mg/L	0.000386	378.35%
V 310.230†	-299.8	-0.00172 mg/L	0.000169	-0.00172 mg/L	0.000169	9.80%
Zn 202.548†	-4.1	-0.00446 mg/L	0.000973	-0.00446 mg/L	0.000973	21.82%
Zn 206.200†	-0.6	-0.00126 mg/L	0.000399	-0.00126 mg/L	0.000399	31.67%
Zn 213.857†	-5.2	-0.00223 mg/L	0.000441	-0.00223 mg/L	0.000441	19.77%

Sequence No.: 16 **Autosampler Location: 5**
Sample ID: RLC **Date Collected: 1/3/02 11:21:50 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: RLC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	294584.5						5736.92	1.95%
Y 360.073	3949666.4						100532.11	2.55%
Ag 328.068†	355.1	0.00244	mg/L	0.000193	0.00244	mg/L	0.000193	7.91%
Ag 338.289†	198.1	0.00218	mg/L	0.001023	0.00218	mg/L	0.001023	47.00%
Al 308.215†	47.4	0.07717	mg/L	0.007010	0.07717	mg/L	0.007010	9.08%
Al 394.401†	58.7	0.07590	mg/L	0.004563	0.07590	mg/L	0.004563	6.01%
Al 396.153†	244.4	0.07623	mg/L	0.004307	0.07623	mg/L	0.004307	5.65%
As 188.979†	0.2	0.00984	mg/L	0.029063	0.00984	mg/L	0.029063	295.39%
As 193.696†	8.6	0.01139	mg/L	0.001142	0.01139	mg/L	0.001142	10.03%
As 197.197†	-0.5	-0.04286	mg/L	0.080578	-0.04286	mg/L	0.080578	188.00%
B 208.889†	4.8	0.03657	mg/L	0.008607	0.03657	mg/L	0.008607	23.54%
B 249.677†	48.2	0.05149	mg/L	0.000475	0.05149	mg/L	0.000475	0.92%
B 249.772†	113.1	0.05583	mg/L	0.001565	0.05583	mg/L	0.001565	2.80%
Ba 233.527†	5.3	0.00186	mg/L	0.000050	0.00186	mg/L	0.000050	2.69%
Ba 455.403†	199.0	0.00236	mg/L	0.000047	0.00236	mg/L	0.000047	1.97%
Ba 493.408†	373.9	0.00230	mg/L	0.000160	0.00230	mg/L	0.000160	6.95%
Be 234.861†	405.9	0.00102	mg/L	0.000033	0.00102	mg/L	0.000033	3.22%
Be 313.042†	62.4	0.00093	mg/L	0.000017	0.00093	mg/L	0.000017	1.84%
Be 313.107†	62.4	0.00093	mg/L	0.000017	0.00093	mg/L	0.000017	1.84%
Ca 315.887†	350.0	0.1175	mg/L	0.00367	0.1175	mg/L	0.00367	3.13%
Ca 317.933†	231.8	0.09882	mg/L	0.007822	0.09882	mg/L	0.007822	7.92%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	39.9	0.00103	mg/L	0.000049	0.00103	mg/L	0.000049	4.76%
Cd 228.802†	4.0	0.00185	mg/L	0.000183	0.00185	mg/L	0.000183	9.93%

Ce 413.380†	73.4	0.04715 mg/L	0.007143	0.04715 mg/L	0.007143	15.15%
Ce 413.764†	71.5	0.04280 mg/L	0.004536	0.04280 mg/L	0.004536	10.60%
Ce 418.660†	127.6	0.04024 mg/L	0.004107	0.04024 mg/L	0.004107	10.21%
Co 228.616†	87.7	0.00233 mg/L	0.000156	0.00233 mg/L	0.000156	6.69%
Co 230.786†	2.8	0.00405 mg/L	0.001515	0.00405 mg/L	0.001515	37.39%
Co 238.892†	-0.4	-0.00045 mg/L	0.001839	-0.00045 mg/L	0.001839	406.26%
Cr 205.560†	0.1	0.00066 mg/L	0.001962	0.00066 mg/L	0.001962	297.21%
Cr 267.716†	85.9	0.00307 mg/L	0.000074	0.00307 mg/L	0.000074	2.41%
Cr 283.563†	14.3	0.00421 mg/L	0.001707	0.00421 mg/L	0.001707	40.56%
Cu 224.700†	2.9	0.00696 mg/L	0.002375	0.00696 mg/L	0.002375	34.11%
Cu 324.752†	32.5	0.00427 mg/L	0.000610	0.00427 mg/L	0.000610	14.29%
Cu 327.393†	308.8	0.00462 mg/L	0.000198	0.00462 mg/L	0.000198	4.29%
Fe 238.204†	50.1	0.02292 mg/L	0.001135	0.02292 mg/L	0.001135	4.95%
Fe 239.562†	37.7	0.02252 mg/L	0.001465	0.02252 mg/L	0.001465	6.50%
Fe 259.939†	98.4	0.02316 mg/L	0.001769	0.02316 mg/L	0.001769	7.64%
Fe 273.955†	17.8	0.02680 mg/L	0.000789	0.02680 mg/L	0.000789	2.95%
K 766.490†	565.8	1.240 mg/L	0.0246	1.240 mg/L	0.0246	1.98%
Li 610.362†	247.9	0.03404 mg/L	0.009884	0.03404 mg/L	0.009884	29.03%
Li 670.784†	1295.8	0.02442 mg/L	0.000796	0.02442 mg/L	0.000796	3.26%
Mg 279.077†	6.1	0.00923 mg/L	0.010976	0.00923 mg/L	0.010976	118.98%
Mg 280.271†	2219.4	0.02230 mg/L	0.001099	0.02230 mg/L	0.001099	4.93%
Mg 285.213†	76.4	0.02252 mg/L	0.001626	0.02252 mg/L	0.001626	7.22%
Mn 257.610†	38.4	0.00226 mg/L	0.000049	0.00226 mg/L	0.000049	2.18%
Mn 259.372†	54.2	0.00195 mg/L	0.000128	0.00195 mg/L	0.000128	6.55%
Mn 260.568†	24.8	0.00222 mg/L	0.000287	0.00222 mg/L	0.000287	12.93%
Mo 202.031†	1.7	0.01056 mg/L	0.008456	0.01056 mg/L	0.008456	80.05%
Mo 203.845†	1.0	0.00990 mg/L	0.012244	0.00990 mg/L	0.012244	123.64%
Mo 204.597†	19.9	0.00276 mg/L	0.000320	0.00276 mg/L	0.000320	11.59%
Na 588.995†	2791.0	0.5581 mg/L	0.00890	0.5581 mg/L	0.00890	1.59%
Na 589.592†	2753.3	0.5240 mg/L	0.00746	0.5240 mg/L	0.00746	1.42%
Ni 221.648†	0.4	0.00273 mg/L	0.001427	0.00273 mg/L	0.001427	52.28%
Ni 231.604†	33.1	0.00223 mg/L	0.000373	0.00223 mg/L	0.000373	16.72%
Ni 232.003†	0.2	0.00061 mg/L	0.000695	0.00061 mg/L	0.000695	113.02%
Pb 217.000†	0.7	0.01324 mg/L	0.027814	0.01324 mg/L	0.027814	210.04%
Pb 220.353†	26.9	0.00995 mg/L	0.000859	0.00995 mg/L	0.000859	8.63%
Sb 206.836†	6.9	0.00317 mg/L	0.001996	0.00317 mg/L	0.001996	63.02%
Sb 217.582†	-0.8	-0.02472 mg/L	0.013809	-0.02472 mg/L	0.013809	55.86%
Se 196.026†	27.9	0.03142 mg/L	0.004762	0.03142 mg/L	0.004762	15.15%
Se 203.985†	21.8	0.03843 mg/L	0.003452	0.03843 mg/L	0.003452	8.98%
Sn 189.927†	8.3	0.00613 mg/L	0.000882	0.00613 mg/L	0.000882	14.39%
Sn 235.485†	2.9	0.02653 mg/L	0.023717	0.02653 mg/L	0.023717	89.40%
Sr 407.771†	289.7	0.00129 mg/L	0.000045	0.00129 mg/L	0.000045	3.51%
Sr 421.552†	329.7	0.00132 mg/L	0.000145	0.00132 mg/L	0.000145	10.95%
Sr 460.733†	-26.9	-0.00249 mg/L	0.009517	-0.00249 mg/L	0.009517	382.74%
Ti 334.940†	48.6	0.00260 mg/L	0.000194	0.00260 mg/L	0.000194	7.47%
Ti 336.121†	37.9	0.00238 mg/L	0.000695	0.00238 mg/L	0.000695	29.25%
Ti 337.279†	23.5	0.00325 mg/L	0.000313	0.00325 mg/L	0.000313	9.65%
Tl 190.801†	8.4	0.00888 mg/L	0.002145	0.00888 mg/L	0.002145	24.15%
Tl 276.787†	35.4	0.00782 mg/L	0.001184	0.00782 mg/L	0.001184	15.13%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	18.2	0.00695 mg/L	0.000203	0.00695 mg/L	0.000203	2.93%
V 309.310†	32.4	0.00605 mg/L	0.000422	0.00605 mg/L	0.000422	6.97%
V 310.230†	592.0	0.00340 mg/L	0.000270	0.00340 mg/L	0.000270	7.92%
Zn 202.548†	47.7	0.05171 mg/L	0.003031	0.05171 mg/L	0.003031	5.86%
Zn 206.200†	25.4	0.05286 mg/L	0.001282	0.05286 mg/L	0.001282	2.43%
Zn 213.857†	123.9	0.05359 mg/L	0.000806	0.05359 mg/L	0.000806	1.50%

Sequence No.: 17
Sample ID: SIC CoV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 1/3/02 11:26:20 AM

Sample Prep Volume:
Data Type: Original

Mean Data: SIC CoV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	298181.8						4083.98	1.37%
Y 360.073	3921979.8						30229.70	0.77%

Ag 328.068†	-50.0	-0.00034 mg/L	0.000389	-0.00034 mg/L	0.000389	113.44%
Ag 338.289†	-57.8	-0.00064 mg/L	0.000869	-0.00064 mg/L	0.000869	136.74%
Al 308.215†	13.4	0.02187 mg/L	0.005968	0.02187 mg/L	0.005968	27.28%
Al 394.401†	20.3	0.02623 mg/L	0.000643	0.02623 mg/L	0.000643	2.45%
Al 396.153†	89.2	0.02727 mg/L	0.004225	0.02727 mg/L	0.004225	15.49%
As 188.979†	-0.3	-0.01500 mg/L	0.078126	-0.01500 mg/L	0.078126	520.85%
As 193.696†	-2.3	-0.00307 mg/L	0.003089	-0.00307 mg/L	0.003089	100.76%
As 197.197†	0.2	0.01430 mg/L	0.041897	0.01430 mg/L	0.041897	292.95%
B 208.889†	-0.1	-0.00092 mg/L	0.008405	-0.00092 mg/L	0.008405	915.18%
B 249.677†	10.7	0.01140 mg/L	0.002275	0.01140 mg/L	0.002275	19.95%
B 249.772†	-3.2	-0.00159 mg/L	0.000977	-0.00159 mg/L	0.000977	61.54%
Ba 233.527†	-0.7	-0.00026 mg/L	0.000280	-0.00026 mg/L	0.000280	107.79%
Ba 455.403†	19.0	0.00023 mg/L	0.000047	0.00023 mg/L	0.000047	20.67%
Ba 493.408†	9.1	0.00006 mg/L	0.000112	0.00006 mg/L	0.000112	200.25%
Be 234.861†	1.4	0.00000 mg/L	0.000018	0.00000 mg/L	0.000018	523.96%
Be 313.042†	11.7	0.00018 mg/L	0.000123	0.00018 mg/L	0.000123	70.09%
Be 313.107†	11.7	0.00018 mg/L	0.000123	0.00018 mg/L	0.000123	70.09%
Ca 315.887†	210.8	0.07074 mg/L	0.001324	0.07074 mg/L	0.001324	1.87%
Ca 317.933†	74.9	0.03194 mg/L	0.004290	0.03194 mg/L	0.004290	13.43%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	-2.8	-0.00007 mg/L	0.000045	-0.00007 mg/L	0.000045	61.79%
Cd 228.802†	0.8	0.00035 mg/L	0.000394	0.00035 mg/L	0.000394	112.57%
Ce 413.380†	17.4	0.01119 mg/L	0.009305	0.01119 mg/L	0.009305	83.15%
Ce 413.764†	0.4	0.00024 mg/L	0.000500	0.00024 mg/L	0.000500	209.45%
Ce 418.660†	5.4	0.00171 mg/L	0.002899	0.00171 mg/L	0.002899	169.31%
Co 228.616†	376370.8	10.00 mg/L	0.179	10.00 mg/L	0.179	1.79%
Co 230.786†	6882.2	9.818 mg/L	0.0510	9.818 mg/L	0.0510	0.52%
Co 238.892†	9013.0	9.759 mg/L	0.0811	9.759 mg/L	0.0811	0.83%
Cr 205.560†	0.0	0.00027 mg/L	0.003060	0.00027 mg/L	0.003060	>999.9%
Cr 267.716†	6.0	0.00021 mg/L	0.000231	0.00021 mg/L	0.000231	107.40%
Cr 283.563†	7.9	0.00231 mg/L	0.000888	0.00231 mg/L	0.000888	38.35%
Cu 224.700†	-1.4	-0.00332 mg/L	0.005016	-0.00332 mg/L	0.005016	151.28%
Cu 324.752†	-2.5	-0.00033 mg/L	0.000392	-0.00033 mg/L	0.000392	117.21%
Cu 327.393†	155.7	0.00233 mg/L	0.000087	0.00233 mg/L	0.000087	3.75%
Fe 238.204†	54.7	0.02499 mg/L	0.000718	0.02499 mg/L	0.000718	2.87%
Fe 239.562†	50.4	0.03012 mg/L	0.005404	0.03012 mg/L	0.005404	17.94%
Fe 259.939†	111.3	0.02621 mg/L	0.001667	0.02621 mg/L	0.001667	6.36%
Fe 273.955†	16.3	0.02457 mg/L	0.001178	0.02457 mg/L	0.001178	4.79%
K 766.490†	-51.4	-0.1127 mg/L	0.05275	-0.1127 mg/L	0.05275	46.81%
Li 610.362†	104.9	0.01440 mg/L	0.009002	0.01440 mg/L	0.009002	62.49%
Li 670.784†	-41.6	-0.00078 mg/L	0.001833	-0.00078 mg/L	0.001833	233.73%
Mg 279.077†	13.2	0.01995 mg/L	0.005382	0.01995 mg/L	0.005382	26.98%
Mg 280.271†	2862.2	0.02876 mg/L	0.000978	0.02876 mg/L	0.000978	3.40%
Mg 285.213†	79.3	0.02336 mg/L	0.000707	0.02336 mg/L	0.000707	3.03%
Mn 257.610†	1.2	0.00007 mg/L	0.000075	0.00007 mg/L	0.000075	110.75%
Mn 259.372†	-5.5	-0.00027 mg/L	0.000069	-0.00027 mg/L	0.000069	25.25%
Mn 260.568†	-12.9	-0.00115 mg/L	0.000200	-0.00115 mg/L	0.000200	17.40%
Mo 202.031†	1.4	0.00924 mg/L	0.005406	0.00924 mg/L	0.005406	58.49%
Mo 203.845†	-0.1	-0.00098 mg/L	0.025738	-0.00098 mg/L	0.025738	>999.9%
Mo 204.597†	-3.5	-0.00049 mg/L	0.000304	-0.00049 mg/L	0.000304	62.28%
Na 588.995†	479.0	0.09579 mg/L	0.009171	0.09579 mg/L	0.009171	9.57%
Na 589.592†	275.6	0.05245 mg/L	0.009651	0.05245 mg/L	0.009651	18.40%
Ni 221.648†	0.1	0.00054 mg/L	0.002003	0.00054 mg/L	0.002003	370.33%
Ni 231.604†	3.4	0.00023 mg/L	0.000072	0.00023 mg/L	0.000072	31.56%
Ni 232.003†	-1.1	-0.00329 mg/L	0.003298	-0.00329 mg/L	0.003298	100.18%
Pb 217.000†	0.9	0.01855 mg/L	0.011971	0.01855 mg/L	0.011971	64.52%
Pb 220.353†	-5.1	-0.00189 mg/L	0.000347	-0.00189 mg/L	0.000347	18.33%
Sb 206.836†	-2.4	-0.00108 mg/L	0.000644	-0.00108 mg/L	0.000644	59.69%
Sb 217.582†	0.3	0.00799 mg/L	0.009562	0.00799 mg/L	0.009562	119.66%
Se 196.026†	-4.6	-0.00518 mg/L	0.001771	-0.00518 mg/L	0.001771	34.23%
Se 203.985†	3.4	0.00593 mg/L	0.003251	0.00593 mg/L	0.003251	54.77%
Sn 189.927†	-1.8	-0.00134 mg/L	0.001119	-0.00134 mg/L	0.001119	83.43%
Sn 235.485†	3.4	0.03122 mg/L	0.042126	0.03122 mg/L	0.042126	134.95%
Sr 407.771†	6.4	0.00003 mg/L	0.000038	0.00003 mg/L	0.000038	135.48%
Sr 421.552†	23.7	0.00010 mg/L	0.000072	0.00010 mg/L	0.000072	75.61%
Sr 460.733†	-74.7	-0.00690 mg/L	0.006281	-0.00690 mg/L	0.006281	90.98%
Ti 334.940†	12.5	0.00067 mg/L	0.000139	0.00067 mg/L	0.000139	20.88%
Ti 336.121†	5.5	0.00034 mg/L	0.000703	0.00034 mg/L	0.000703	204.36%
Ti 337.279†	9.7	0.00134 mg/L	0.000050	0.00134 mg/L	0.000050	3.69%
Tl 190.801†	-1.7	-0.00174 mg/L	0.001231	-0.00174 mg/L	0.001231	70.92%

Tl 276.787†	-66.0	-0.01459 mg/L	0.005776	-0.01459 mg/L	0.005776	39.60%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	25996.1	9.937 mg/L	0.0452	9.937 mg/L	0.0452	0.45%
V 309.310†	53629.0	10.03 mg/L	0.048	10.03 mg/L	0.048	0.48%
V 310.230†	1750287.9	10.07 mg/L	0.054	10.07 mg/L	0.054	0.54%
Zn 202.548†	5.3	0.00581 mg/L	0.001574	0.00581 mg/L	0.001574	27.08%
Zn 206.200†	1.3	0.00271 mg/L	0.002230	0.00271 mg/L	0.002230	82.32%
Zn 213.857†	7.9	0.00343 mg/L	0.000390	0.00343 mg/L	0.000390	11.37%

Sequence No.: 18
Sample ID: SIC Ce
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 1/3/02 11:30:51 AM

Sample Prep Volume:
Data Type: Original

Mean Data: SIC Ce

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	297407.5						4145.51	1.39%
Y 360.073	3946107.2						28517.81	0.72%
Ag 328.068†	-89.7	-0.00062	mg/L	0.000291	-0.00062	mg/L	0.000291	47.22%
Ag 338.289†	-297.4	-0.00327	mg/L	0.000802	-0.00327	mg/L	0.000802	24.54%
Al 308.215†	21.9	0.03562	mg/L	0.004786	0.03562	mg/L	0.004786	13.44%
Al 394.401†	85.7	0.1107	mg/L	0.01766	0.1107	mg/L	0.01766	15.95%
Al 396.153†	88.4	0.2838	mg/L	0.01313	0.2838	mg/L	0.01313	4.63%
As 188.979†	-0.0	-0.00056	mg/L	0.027372	-0.00056	mg/L	0.027372	>999.9%
As 193.696†	-2.4	-0.00320	mg/L	0.002582	-0.00320	mg/L	0.002582	80.61%
As 197.197†	-1.0	-0.07472	mg/L	0.033159	-0.07472	mg/L	0.033159	44.38%
B 208.889†	0.3	0.00251	mg/L	0.017029	0.00251	mg/L	0.017029	678.99%
B 249.677†	5.5	0.00592	mg/L	0.000620	0.00592	mg/L	0.000620	10.49%
B 249.772†	8.4	0.00415	mg/L	0.000266	0.00415	mg/L	0.000266	6.40%
Ba 233.527†	-1.1	-0.00039	mg/L	0.000523	-0.00039	mg/L	0.000523	133.07%
Ba 455.403†	53.8	0.00064	mg/L	0.000156	0.00064	mg/L	0.000156	24.42%
Ba 493.408†	161.5	0.00099	mg/L	0.000337	0.00099	mg/L	0.000337	33.92%
Be 234.861†	-4.0	-0.00001	mg/L	0.000024	-0.00001	mg/L	0.000024	245.47%
Be 313.042†	-5.4	-0.00008	mg/L	0.000019	-0.00008	mg/L	0.000019	22.93%
Be 313.107†	-5.4	-0.00008	mg/L	0.000019	-0.00008	mg/L	0.000019	22.93%
Ca 315.887†	233.9	0.07852	mg/L	0.003698	0.07852	mg/L	0.003698	4.71%
Ca 317.933†	109.7	0.04677	mg/L	0.005025	0.04677	mg/L	0.005025	10.74%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	-3.1	-0.00008	mg/L	0.000048	-0.00008	mg/L	0.000048	60.53%
Cd 228.802†	0.1	0.00003	mg/L	0.000829	0.00003	mg/L	0.000829	>999.9%
Ce 413.380†	16143.2	10.37	mg/L	0.052	10.37	mg/L	0.052	0.50%
Ce 413.764†	17279.1	10.35	mg/L	0.017	10.35	mg/L	0.017	0.16%
Ce 418.660†	32447.5	10.24	mg/L	0.055	10.24	mg/L	0.055	0.54%
Co 228.616†	32.9	0.00087	mg/L	0.000502	0.00087	mg/L	0.000502	57.44%
Co 230.786†	1.9	0.00269	mg/L	0.002651	0.00269	mg/L	0.002651	98.40%
Co 238.892†	1.7	0.00181	mg/L	0.001991	0.00181	mg/L	0.001991	109.79%
Cr 205.560†	0.1	0.00085	mg/L	0.000409	0.00085	mg/L	0.000409	47.92%
Cr 267.716†	14.2	0.00051	mg/L	0.000185	0.00051	mg/L	0.000185	36.52%
Cr 283.563†	7.6	0.00223	mg/L	0.000536	0.00223	mg/L	0.000536	24.01%
Cu 224.700†	1.3	0.00314	mg/L	0.000394	0.00314	mg/L	0.000394	12.58%
Cu 324.752†	-6.5	-0.00085	mg/L	0.000187	-0.00085	mg/L	0.000187	22.10%
Cu 327.393†	-29.8	-0.00045	mg/L	0.000122	-0.00045	mg/L	0.000122	27.32%
Fe 238.204†	1.2	0.00056	mg/L	0.000656	0.00056	mg/L	0.000656	116.98%
Fe 239.562†	1.7	0.00103	mg/L	0.000899	0.00103	mg/L	0.000899	87.39%
Fe 259.939†	7.0	0.00165	mg/L	0.000926	0.00165	mg/L	0.000926	56.30%
Fe 273.955†	4.3	0.00644	mg/L	0.002789	0.00644	mg/L	0.002789	43.29%
K 766.490†	-156.8	-0.3437	mg/L	0.03143	-0.3437	mg/L	0.03143	9.14%
Li 610.362†	48.9	0.00672	mg/L	0.005668	0.00672	mg/L	0.005668	84.32%
Li 670.784†	-66.9	-0.00126	mg/L	0.002372	-0.00126	mg/L	0.002372	188.08%
Mg 279.077†	-5.6	-0.00851	mg/L	0.007916	-0.00851	mg/L	0.007916	92.96%
Mg 280.271†	790.7	0.00794	mg/L	0.000473	0.00794	mg/L	0.000473	5.96%
Mg 285.213†	29.4	0.00867	mg/L	0.000928	0.00867	mg/L	0.000928	10.70%
Mn 257.610†	-0.1	-0.00001	mg/L	0.000089	-0.00001	mg/L	0.000089	>999.9%
Mn 259.372†	3.1	0.00012	mg/L	0.000218	0.00012	mg/L	0.000218	177.92%
Mn 260.568†	-0.6	-0.00005	mg/L	0.000123	-0.00005	mg/L	0.000123	241.45%
Mo 202.031†	-0.5	-0.00300	mg/L	0.008168	-0.00300	mg/L	0.008168	272.04%

Mo 203.845†	1.1	0.01119 mg/L	0.025157	0.01119 mg/L	0.025157	224.81%
Mo 204.597†	-1.2	-0.00016 mg/L	0.000322	-0.00016 mg/L	0.000322	201.50%
Na 588.995†	106.8	0.02135 mg/L	0.008234	0.02135 mg/L	0.008234	38.57%
Na 589.592†	16.3	0.00311 mg/L	0.008719	0.00311 mg/L	0.008719	280.79%
Ni 221.648†	0.5	0.00324 mg/L	0.003016	0.00324 mg/L	0.003016	93.07%
Ni 231.604†	4.0	0.00027 mg/L	0.000073	0.00027 mg/L	0.000073	27.00%
Ni 232.003†	-0.3	-0.00078 mg/L	0.001161	-0.00078 mg/L	0.001161	148.66%
Pb 217.000†	0.6	0.01203 mg/L	0.018115	0.01203 mg/L	0.018115	150.57%
Pb 220.353†	1.7	0.00063 mg/L	0.000635	0.00063 mg/L	0.000635	100.61%
Sb 206.836†	-0.9	-0.00040 mg/L	0.000837	-0.00040 mg/L	0.000837	210.90%
Sb 217.582†	-0.5	-0.01536 mg/L	0.007204	-0.01536 mg/L	0.007204	46.90%
Se 196.026†	-0.3	-0.00031 mg/L	0.001910	-0.00031 mg/L	0.001910	617.81%
Se 203.985†	9.7	0.01714 mg/L	0.004787	0.01714 mg/L	0.004787	27.93%
Sn 189.927†	-2.3	-0.00170 mg/L	0.000607	-0.00170 mg/L	0.000607	35.77%
Sn 235.485†	0.6	0.00577 mg/L	0.017715	0.00577 mg/L	0.017715	307.24%
Sr 407.771†	30.2	0.00013 mg/L	0.000013	0.00013 mg/L	0.000013	9.72%
Sr 421.552†	159.3	0.00064 mg/L	0.000367	0.00064 mg/L	0.000367	57.47%
Sr 460.733†	-396.6	-0.03663 mg/L	0.006464	-0.03663 mg/L	0.006464	17.65%
Ti 334.940†	9.0	0.00048 mg/L	0.000016	0.00048 mg/L	0.000016	3.42%
Ti 336.121†	6.0	0.00038 mg/L	0.000673	0.00038 mg/L	0.000673	177.73%
Ti 337.279†	5.0	0.00069 mg/L	0.000499	0.00069 mg/L	0.000499	72.61%
Tl 190.801†	-1.4	-0.00152 mg/L	0.001555	-0.00152 mg/L	0.001555	102.36%
Tl 276.787†	-2.2	-0.00049 mg/L	0.002378	-0.00049 mg/L	0.002378	486.98%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	10.8	0.00412 mg/L	0.001985	0.00412 mg/L	0.001985	48.14%
V 309.310†	4.7	0.00087 mg/L	0.000826	0.00087 mg/L	0.000826	94.83%
V 310.230†	-820.1	-0.00472 mg/L	0.000922	-0.00472 mg/L	0.000922	19.54%
Zn 202.548†	3.4	0.00347 mg/L	0.002694	0.00347 mg/L	0.002694	77.69%
Zn 206.200†	3.1	0.00637 mg/L	0.000999	0.00637 mg/L	0.000999	15.68%
Zn 213.857†	12.2	0.00512 mg/L	0.000622	0.00512 mg/L	0.000622	12.15%

Sequence No.: 19
Sample ID: SIC Cr
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 1/3/02 11:35:17 AM
Sample Prep Volume:
Data Type: Original

Mean Data: SIC Cr

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	299037.5						11900.02	3.98%
Y 360.073	3893720.7						36138.19	0.93%
Ag 328.068†	6.6	0.00005	mg/L	0.000203	0.00005	mg/L	0.000203	446.43%
Ag 338.289†	91.5	0.00101	mg/L	0.000839	0.00101	mg/L	0.000839	83.49%
Al 308.215†	11.6	0.01885	mg/L	0.004358	0.01885	mg/L	0.004358	23.13%
Al 394.401†	7.6	0.00984	mg/L	0.006901	0.00984	mg/L	0.006901	70.14%
Al 396.153†	23.5	0.00683	mg/L	0.004348	0.00683	mg/L	0.004348	63.64%
As 188.979†	0.1	0.00651	mg/L	0.025675	0.00651	mg/L	0.025675	394.45%
As 193.696†	-2.0	-0.00272	mg/L	0.002172	-0.00272	mg/L	0.002172	79.97%
As 197.197†	-1.0	-0.08011	mg/L	0.056726	-0.08011	mg/L	0.056726	70.81%
B 208.889†	-3.5	-0.02647	mg/L	0.015476	-0.02647	mg/L	0.015476	58.46%
B 249.677†	-1.2	-0.00133	mg/L	0.004485	-0.00133	mg/L	0.004485	337.33%
B 249.772†	5.5	0.00270	mg/L	0.000693	0.00270	mg/L	0.000693	25.62%
Ba 233.527†	0.0	0.00001	mg/L	0.000212	0.00001	mg/L	0.000212	>999.9%
Ba 455.403†	2.5	0.00003	mg/L	0.000065	0.00003	mg/L	0.000065	218.04%
Ba 493.408†	10.7	0.00007	mg/L	0.000239	0.00007	mg/L	0.000239	362.98%
Be 234.861†	25.2	0.00006	mg/L	0.000013	0.00006	mg/L	0.000013	19.89%
Be 313.042†	7.5	0.00011	mg/L	0.000012	0.00011	mg/L	0.000012	10.66%
Be 313.107†	7.5	0.00011	mg/L	0.000012	0.00011	mg/L	0.000012	10.66%
Ca 315.887†	77.9	0.02615	mg/L	0.002635	0.02615	mg/L	0.002635	10.07%
Ca 317.933†	25.1	0.01071	mg/L	0.010343	0.01071	mg/L	0.010343	96.59%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	0.1	0.00000	mg/L	0.000045	0.00000	mg/L	0.000045	>999.9%
Cd 228.802†	0.9	0.00043	mg/L	0.000774	0.00043	mg/L	0.000774	181.29%
Ce 413.380†	15.1	0.00967	mg/L	0.005634	0.00967	mg/L	0.005634	58.25%
Ce 413.764†	-7.6	-0.00455	mg/L	0.008368	-0.00455	mg/L	0.008368	184.06%
Ce 418.660†	15.7	0.00494	mg/L	0.006610	0.00494	mg/L	0.006610	133.83%
Co 228.616†	-105.0	-0.00279	mg/L	0.000200	-0.00279	mg/L	0.000200	7.15%

Co 230.786†	1.5	0.00208	mg/L	0.001532	0.00208	mg/L	0.001532	73.67%
Co 238.892†	-1.0	-0.00112	mg/L	0.001418	-0.00112	mg/L	0.001418	127.17%
Cr 205.560†	1510.8	10.16	mg/L	0.410	10.16	mg/L	0.410	4.03%
Cr 267.716†	284612.4	10.18	mg/L	0.083	10.18	mg/L	0.083	0.82%
Cr 283.563†	35692.8	10.47	mg/L	0.106	10.47	mg/L	0.106	1.01%
Cu 224.700†	0.2	0.00051	mg/L	0.003184	0.00051	mg/L	0.003184	619.01%
Cu 324.752†	-3.9	-0.00051	mg/L	0.000111	-0.00051	mg/L	0.000111	21.69%
Cu 327.393†	-8.9	-0.00013	mg/L	0.000090	-0.00013	mg/L	0.000090	68.07%
Fe 238.204†	-5.7	-0.00260	mg/L	0.000433	-0.00260	mg/L	0.000433	16.70%
Fe 239.562†	-3.5	-0.00211	mg/L	0.001141	-0.00211	mg/L	0.001141	54.01%
Fe 259.939†	-6.6	-0.00155	mg/L	0.000393	-0.00155	mg/L	0.000393	25.37%
Fe 273.955†	4.8	0.00721	mg/L	0.002591	0.00721	mg/L	0.002591	35.95%
K 766.490†	-183.3	-0.4018	mg/L	0.02032	-0.4018	mg/L	0.02032	5.06%
Li 610.362†	77.1	0.01059	mg/L	0.017393	0.01059	mg/L	0.017393	164.19%
Li 670.784†	-177.7	-0.00335	mg/L	0.000606	-0.00335	mg/L	0.000606	18.10%
Mg 279.077†	-3.1	-0.00462	mg/L	0.004752	-0.00462	mg/L	0.004752	102.83%
Mg 280.271†	-26.5	-0.00027	mg/L	0.000463	-0.00027	mg/L	0.000463	174.01%
Mg 285.213†	1.4	0.00040	mg/L	0.000684	0.00040	mg/L	0.000684	171.41%
Mn 257.610†	-2.1	-0.00013	mg/L	0.000070	-0.00013	mg/L	0.000070	55.66%
Mn 259.372†	-5.0	-0.00024	mg/L	0.000126	-0.00024	mg/L	0.000126	51.80%
Mn 260.568†	-1.7	-0.00016	mg/L	0.000069	-0.00016	mg/L	0.000069	43.99%
Mo 202.031†	1.5	0.00964	mg/L	0.007998	0.00964	mg/L	0.007998	82.96%
Mo 203.845†	-1.8	-0.01776	mg/L	0.011003	-0.01776	mg/L	0.011003	61.97%
Mo 204.597†	-6.4	-0.00088	mg/L	0.000245	-0.00088	mg/L	0.000245	27.66%
Na 588.995†	-190.6	-0.03812	mg/L	0.017916	-0.03812	mg/L	0.017916	47.00%
Na 589.592†	-394.8	-0.07514	mg/L	0.002681	-0.07514	mg/L	0.002681	3.57%
Ni 221.648†	0.3	0.00179	mg/L	0.001949	0.00179	mg/L	0.001949	109.17%
Ni 231.604†	1.4	0.00009	mg/L	0.000083	0.00009	mg/L	0.000083	88.16%
Ni 232.003†	4.3	0.01339	mg/L	0.005229	0.01339	mg/L	0.005229	39.05%
Pb 217.000†	0.2	0.00325	mg/L	0.020792	0.00325	mg/L	0.020792	639.27%
Pb 220.353†	-1.6	-0.00057	mg/L	0.000923	-0.00057	mg/L	0.000923	160.84%
Sb 206.836†	40.1	0.01827	mg/L	0.000798	0.01827	mg/L	0.000798	4.37%
Sb 217.582†	-0.6	-0.01703	mg/L	0.021747	-0.01703	mg/L	0.021747	127.70%
Se 196.026†	-3.4	-0.00380	mg/L	0.003711	-0.00380	mg/L	0.003711	97.76%
Se 203.985†	91.7	0.1613	mg/L	0.00743	0.1613	mg/L	0.00743	4.61%
Sn 189.927†	-4.3	-0.00315	mg/L	0.000727	-0.00315	mg/L	0.000727	23.04%
Sn 235.485†	-2.0	-0.01841	mg/L	0.006717	-0.01841	mg/L	0.006717	36.48%
Sr 407.771†	42.6	0.00019	mg/L	0.000063	0.00019	mg/L	0.000063	33.20%
Sr 421.552†	58.3	0.00023	mg/L	0.000141	0.00023	mg/L	0.000141	60.28%
Sr 460.733†	-60.3	-0.00557	mg/L	0.004445	-0.00557	mg/L	0.004445	79.83%
Ti 334.940†	33.5	0.00179	mg/L	0.000045	0.00179	mg/L	0.000045	2.50%
Ti 336.121†	-6.3	-0.00040	mg/L	0.000403	-0.00040	mg/L	0.000403	101.78%
Ti 337.279†	-0.8	-0.00011	mg/L	0.000608	-0.00011	mg/L	0.000608	546.16%
Tl 190.801†	-0.2	-0.00017	mg/L	0.000683	-0.00017	mg/L	0.000683	393.85%
Tl 276.787†	84.9	0.01875	mg/L	0.007249	0.01875	mg/L	0.007249	38.66%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
V 290.880†	-1.5	-0.00058	mg/L	0.001667	-0.00058	mg/L	0.001667	287.34%
V 309.310†	-0.2	-0.00003	mg/L	0.000130	-0.00003	mg/L	0.000130	378.13%
V 310.230†	-513.4	-0.00295	mg/L	0.000303	-0.00295	mg/L	0.000303	10.28%
Zn 202.548†	0.5	0.00051	mg/L	0.001536	0.00051	mg/L	0.001536	298.49%
Zn 206.200†	12.8	0.02652	mg/L	0.012492	0.02652	mg/L	0.012492	47.11%
Zn 213.857†	3.6	0.00157	mg/L	0.000597	0.00157	mg/L	0.000597	38.08%

Sequence No.: 20
Sample ID: SIC Fe
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 1/3/02 11:39:48 AM

Sample Prep Volume:
Data Type: Original

Mean Data: SIC Fe

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	297989.3						1292.58	0.43%
Y 360.073	3946425.7						94974.33	2.41%
Ag 328.068†	-472.0	-0.00324	mg/L	0.000332	-0.00324	mg/L	0.000332	10.24%
Ag 338.289†	40.2	0.00044	mg/L	0.000542	0.00044	mg/L	0.000542	122.75%
Al 308.215†	28.0	0.04565	mg/L	0.002298	0.04565	mg/L	0.002298	5.04%
Al 394.401†	24.0	0.03104	mg/L	0.006959	0.03104	mg/L	0.006959	22.42%

Al 396.153†	110.1	0.04063 mg/L	0.005099	0.04063 mg/L	0.005099	12.55%
As 188.979†	-0.7	-0.03637 mg/L	0.069729	-0.03637 mg/L	0.069729	191.72%
As 193.696†	-11.0	-0.01452 mg/L	0.002509	-0.01452 mg/L	0.002509	17.28%
As 197.197†	-0.2	-0.01820 mg/L	0.039464	-0.01820 mg/L	0.039464	216.88%
B 208.889†	0.5	0.00405 mg/L	0.022451	0.00405 mg/L	0.022451	554.33%
B 249.677†	-10.8	-0.01160 mg/L	0.003469	-0.01160 mg/L	0.003469	29.91%
B 249.772†	932.8	0.4604 mg/L	0.00175	0.4604 mg/L	0.00175	0.38%
Ba 233.527†	4.7	0.00165 mg/L	0.000450	0.00165 mg/L	0.000450	27.22%
Ba 455.403†	22.4	0.00027 mg/L	0.000056	0.00027 mg/L	0.000056	21.17%
Ba 493.408†	361.7	0.00223 mg/L	0.000324	0.00223 mg/L	0.000324	14.57%
Be 234.861†	-328635.7	-0.8243 mg/L	0.01149	-0.8243 mg/L	0.01149	1.39%
Be 313.042†	2.8	0.00004 mg/L	0.000057	0.00004 mg/L	0.000057	136.95%
Be 313.107†	2.8	0.00004 mg/L	0.000057	0.00004 mg/L	0.000057	136.95%
Ca 315.887†	237.4	0.07966 mg/L	0.004477	0.07966 mg/L	0.004477	5.62%
Ca 317.933†	163.0	0.06950 mg/L	0.004183	0.06950 mg/L	0.004183	6.02%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	253.2	0.00656 mg/L	0.000419	0.00656 mg/L	0.000419	6.39%
Cd 228.802†	3.5	0.00159 mg/L	0.000303	0.00159 mg/L	0.000303	19.02%
Ce 413.380†	101.3	0.06504 mg/L	0.021330	0.06504 mg/L	0.021330	32.79%
Ce 413.764†	12.5	0.00748 mg/L	0.009218	0.00748 mg/L	0.009218	123.26%
Ce 418.660†	95.3	0.03007 mg/L	0.012441	0.03007 mg/L	0.012441	41.37%
Co 228.616†	67.6	0.00180 mg/L	0.000521	0.00180 mg/L	0.000521	28.99%
Co 230.786†	0.4	0.00063 mg/L	0.001928	0.00063 mg/L	0.001928	303.80%
Co 238.892†	56.8	0.06146 mg/L	0.021249	0.06146 mg/L	0.021249	34.57%
Cr 205.560†	-0.2	-0.00110 mg/L	0.001614	-0.00110 mg/L	0.001614	146.67%
Cr 267.716†	-14.9	-0.00053 mg/L	0.000219	-0.00053 mg/L	0.000219	41.21%
Cr 283.563†	100.4	0.02945 mg/L	0.001341	0.02945 mg/L	0.001341	4.55%
Cu 224.700†	5.7	0.01372 mg/L	0.004983	0.01372 mg/L	0.004983	36.33%
Cu 324.752†	-30.9	-0.00406 mg/L	0.000050	-0.00406 mg/L	0.000050	1.23%
Cu 327.393†	-119.6	-0.00179 mg/L	0.000227	-0.00179 mg/L	0.000227	12.70%
Fe 238.204†	603610.5	275.9 mg/L	1.33	275.9 mg/L	1.33	0.48%
Fe 239.562†	467311.3	279.3 mg/L	1.32	279.3 mg/L	1.32	0.47%
Fe 259.939†	1185779.1	279.2 mg/L	1.33	279.2 mg/L	1.33	0.48%
Fe 273.955†	209378.8	315.5 mg/L	1.58	315.5 mg/L	1.58	0.50%
K 766.490†	-143.6	-0.3149 mg/L	0.05054	-0.3149 mg/L	0.05054	16.05%
Li 610.362†	48.9	0.00672 mg/L	0.003396	0.00672 mg/L	0.003396	50.56%
Li 670.784†	-128.3	-0.00242 mg/L	0.000732	-0.00242 mg/L	0.000732	30.29%
Mg 279.077†	38.3	0.05805 mg/L	0.004611	0.05805 mg/L	0.004611	7.94%
Mg 280.271†	1691.4	0.01699 mg/L	0.000369	0.01699 mg/L	0.000369	2.17%
Mg 285.213†	56.4	0.01661 mg/L	0.000480	0.01661 mg/L	0.000480	2.89%
Mn 257.610†	149.4	0.00880 mg/L	0.000192	0.00880 mg/L	0.000192	2.19%
Mn 259.372†	9287.2	0.02372 mg/L	0.001663	0.02372 mg/L	0.001663	7.01%
Mn 260.568†	36.7	0.00329 mg/L	0.000290	0.00329 mg/L	0.000290	8.82%
Mo 202.031†	-1.1	-0.00691 mg/L	0.005166	-0.00691 mg/L	0.005166	74.74%
Mo 203.845†	-0.9	-0.00935 mg/L	0.008804	-0.00935 mg/L	0.008804	94.14%
Mo 204.597†	3.8	0.00053 mg/L	0.000419	0.00053 mg/L	0.000419	78.61%
Na 588.995†	-34.1	-0.00683 mg/L	0.007384	-0.00683 mg/L	0.007384	108.19%
Na 589.592†	-411.6	-0.07834 mg/L	0.005898	-0.07834 mg/L	0.005898	7.53%
Ni 221.648†	1.2	0.00767 mg/L	0.005409	0.00767 mg/L	0.005409	70.47%
Ni 231.604†	51.4	0.00346 mg/L	0.000411	0.00346 mg/L	0.000411	11.88%
Ni 232.003†	3.0	0.00937 mg/L	0.002618	0.00937 mg/L	0.002618	27.94%
Pb 217.000†	-1.9	-0.03674 mg/L	0.019221	-0.03674 mg/L	0.019221	52.32%
Pb 220.353†	28.5	0.01055 mg/L	0.001420	0.01055 mg/L	0.001420	13.46%
Sb 206.836†	-1.2	-0.00057 mg/L	0.007723	-0.00057 mg/L	0.007723	>999.9%
Sb 217.582†	0.2	0.00691 mg/L	0.014110	0.00691 mg/L	0.014110	204.13%
Se 196.026†	-43.0	-0.04841 mg/L	0.004511	-0.04841 mg/L	0.004511	9.32%
Se 203.985†	4.9	0.00856 mg/L	0.003417	0.00856 mg/L	0.003417	39.92%
Sn 189.927†	-4.5	-0.00330 mg/L	0.000470	-0.00330 mg/L	0.000470	14.25%
Sn 235.485†	1680.5	15.40 mg/L	0.109	15.40 mg/L	0.109	0.71%
Sr 407.771†	77.0	0.00034 mg/L	0.000028	0.00034 mg/L	0.000028	8.24%
Sr 421.552†	344.6	0.00138 mg/L	0.000021	0.00138 mg/L	0.000021	1.55%
Sr 460.733†	-38.7	-0.00357 mg/L	0.007290	-0.00357 mg/L	0.007290	204.08%
Ti 334.940†	5.6	0.00030 mg/L	0.000108	0.00030 mg/L	0.000108	35.99%
Ti 336.121†	2.9	0.00018 mg/L	0.000998	0.00018 mg/L	0.000998	540.81%
Ti 337.279†	6.5	0.00089 mg/L	0.000287	0.00089 mg/L	0.000287	32.07%
Tl 190.801†	3.6	0.00378 mg/L	0.000292	0.00378 mg/L	0.000292	7.70%
Tl 276.787†	14680.7	3.242 mg/L	0.0629	3.242 mg/L	0.0629	1.94%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	1.0	0.00038 mg/L	0.000449	0.00038 mg/L	0.000449	117.42%
V 309.310†	3.9	0.00073 mg/L	0.000197	0.00073 mg/L	0.000197	26.87%

V 310.230†	-132.7	-0.00076 mg/L	0.000664	-0.00076 mg/L	0.000664	86.98%
Zn 202.548†	10.2	-0.00040 mg/L	0.002550	-0.00040 mg/L	0.002550	640.62%
Zn 206.200†	2.7	0.00565 mg/L	0.001587	0.00565 mg/L	0.001587	28.09%
Zn 213.857†	72.7	0.00377 mg/L	0.000733	0.00377 mg/L	0.000733	19.46%

Sequence No.: 21
Sample ID: SIC Mn
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 1/3/02 11:45:34 AM
Sample Prep Volume:
Data Type: Original

Mean Data: SIC Mn

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	298175.9						8231.02	2.76%
Y 360.073	3925621.3						109050.47	2.78%
Ag 328.068†	10.0	0.00007	mg/L	0.000437	0.00007	mg/L	0.000437	636.72%
Ag 338.289†	10.7	0.00012	mg/L	0.000186	0.00012	mg/L	0.000186	157.75%
Al 308.215†	8.3	0.01359	mg/L	0.005089	0.01359	mg/L	0.005089	37.45%
Al 394.401†	0.0	0.00003	mg/L	0.005779	0.00003	mg/L	0.005779	>999.9%
Al 396.153†	3.5	0.00085	mg/L	0.005879	0.00085	mg/L	0.005879	690.74%
As 188.979†	-0.3	-0.01707	mg/L	0.045874	-0.01707	mg/L	0.045874	268.68%
As 193.696†	-1.9	-0.00258	mg/L	0.001801	-0.00258	mg/L	0.001801	69.81%
As 197.197†	-0.7	-0.05661	mg/L	0.058498	-0.05661	mg/L	0.058498	103.34%
B 208.889†	-1.0	-0.00787	mg/L	0.014159	-0.00787	mg/L	0.014159	179.80%
B 249.677†	-2.4	-0.00257	mg/L	0.005343	-0.00257	mg/L	0.005343	208.17%
B 249.772†	1.3	0.00066	mg/L	0.001412	0.00066	mg/L	0.001412	215.03%
Ba 233.527†	-0.7	-0.00025	mg/L	0.000527	-0.00025	mg/L	0.000527	209.09%
Ba 455.403†	-2.2	-0.00003	mg/L	0.000230	-0.00003	mg/L	0.000230	862.55%
Ba 493.408†	3.2	0.00002	mg/L	0.000102	0.00002	mg/L	0.000102	523.68%
Be 234.861†	19.9	0.00005	mg/L	0.000017	0.00005	mg/L	0.000017	33.08%
Be 313.042†	-4.5	-0.00007	mg/L	0.000015	-0.00007	mg/L	0.000015	22.05%
Be 313.107†	-4.5	-0.00007	mg/L	0.000015	-0.00007	mg/L	0.000015	22.05%
Ca 315.887†	29.4	0.00987	mg/L	0.002422	0.00987	mg/L	0.002422	24.54%
Ca 317.933†	-11.4	-0.00484	mg/L	0.008600	-0.00484	mg/L	0.008600	177.57%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	-0.2	0.00000	mg/L	0.000073	0.00000	mg/L	0.000073	>999.9%
Cd 228.802†	-0.6	-0.00025	mg/L	0.000655	-0.00025	mg/L	0.000655	258.22%
Ce 413.380†	12.3	0.00788	mg/L	0.005698	0.00788	mg/L	0.005698	72.33%
Ce 413.764†	-1.9	-0.00112	mg/L	0.005500	-0.00112	mg/L	0.005500	490.02%
Ce 418.660†	-18.0	-0.00568	mg/L	0.003361	-0.00568	mg/L	0.003361	59.12%
Co 228.616†	0.2	0.00001	mg/L	0.000118	0.00001	mg/L	0.000118	>999.9%
Co 230.786†	-0.0	-0.00003	mg/L	0.001764	-0.00003	mg/L	0.001764	>999.9%
Co 238.892†	-1.1	-0.00114	mg/L	0.000274	-0.00114	mg/L	0.000274	24.01%
Cr 205.560†	-0.7	-0.00479	mg/L	0.001450	-0.00479	mg/L	0.001450	30.27%
Cr 267.716†	2.0	0.00007	mg/L	0.000038	0.00007	mg/L	0.000038	53.02%
Cr 283.563†	2.8	0.00083	mg/L	0.000267	0.00083	mg/L	0.000267	32.06%
Cu 224.700†	0.8	0.00184	mg/L	0.002347	0.00184	mg/L	0.002347	127.53%
Cu 324.752†	-7.8	-0.00103	mg/L	0.000280	-0.00103	mg/L	0.000280	27.13%
Cu 327.393†	-43.6	-0.00065	mg/L	0.000343	-0.00065	mg/L	0.000343	52.62%
Fe 238.204†	60.1	0.02746	mg/L	0.013256	0.02746	mg/L	0.013256	48.27%
Fe 239.562†	44.9	0.02683	mg/L	0.012068	0.02683	mg/L	0.012068	44.98%
Fe 259.939†	122.9	0.02895	mg/L	0.013532	0.02895	mg/L	0.013532	46.75%
Fe 273.955†	22.0	0.03314	mg/L	0.014899	0.03314	mg/L	0.014899	44.95%
K 766.490†	-245.9	-0.5390	mg/L	0.05381	-0.5390	mg/L	0.05381	9.98%
Li 610.362†	55.3	0.00760	mg/L	0.003141	0.00760	mg/L	0.003141	41.36%
Li 670.784†	-208.1	-0.00392	mg/L	0.000563	-0.00392	mg/L	0.000563	14.36%
Mg 279.077†	-2.1	-0.00324	mg/L	0.011006	-0.00324	mg/L	0.011006	339.95%
Mg 280.271†	-155.1	-0.00156	mg/L	0.000800	-0.00156	mg/L	0.000800	51.30%
Mg 285.213†	-5.3	-0.00155	mg/L	0.000824	-0.00155	mg/L	0.000824	53.13%
Mn 257.610†	169108.7	9.958	mg/L	0.0472	9.958	mg/L	0.0472	0.47%
Mn 259.372†	263948.9	9.903	mg/L	0.0552	9.903	mg/L	0.0552	0.56%
Mn 260.568†	109230.1	9.784	mg/L	0.0672	9.784	mg/L	0.0672	0.69%
Mo 202.031†	1.0	0.00630	mg/L	0.006316	0.00630	mg/L	0.006316	100.26%
Mo 203.845†	-1.1	-0.01101	mg/L	0.010251	-0.01101	mg/L	0.010251	93.06%
Mo 204.597†	-3.0	-0.00041	mg/L	0.000275	-0.00041	mg/L	0.000275	66.62%
Na 588.995†	-507.8	-0.1015	mg/L	0.02050	-0.1015	mg/L	0.02050	20.19%
Na 589.592†	-722.7	-0.1376	mg/L	0.00295	-0.1376	mg/L	0.00295	2.15%

Ni 221.648†	-0.1	-0.00070 mg/L	0.003840	-0.00070 mg/L	0.003840	551.70%
Ni 231.604†	-6.6	-0.00045 mg/L	0.000104	-0.00045 mg/L	0.000104	23.33%
Ni 232.003†	0.1	0.00042 mg/L	0.001732	0.00042 mg/L	0.001732	416.47%
Pb 217.000†	0.1	0.00294 mg/L	0.024960	0.00294 mg/L	0.024960	849.05%
Pb 220.353†	-1.1	-0.00040 mg/L	0.000922	-0.00040 mg/L	0.000922	233.35%
Sb 206.836†	-0.8	-0.00038 mg/L	0.000502	-0.00038 mg/L	0.000502	130.61%
Sb 217.582†	-0.5	-0.01436 mg/L	0.024429	-0.01436 mg/L	0.024429	170.14%
Se 196.026†	1.7	0.00188 mg/L	0.000693	0.00188 mg/L	0.000693	36.86%
Se 203.985†	-1.0	-0.00174 mg/L	0.004777	-0.00174 mg/L	0.004777	274.09%
Sn 189.927†	-2.8	-0.00203 mg/L	0.001291	-0.00203 mg/L	0.001291	63.45%
Sn 235.485†	-0.8	-0.00771 mg/L	0.015339	-0.00771 mg/L	0.015339	198.95%
Sr 407.771†	39.8	0.00018 mg/L	0.000062	0.00018 mg/L	0.000062	34.83%
Sr 421.552†	53.5	0.00021 mg/L	0.000059	0.00021 mg/L	0.000059	27.54%
Sr 460.733†	-24.0	-0.00222 mg/L	0.004725	-0.00222 mg/L	0.004725	212.91%
Ti 334.940†	-3.0	-0.00016 mg/L	0.000109	-0.00016 mg/L	0.000109	67.49%
Ti 336.121†	3.1	0.00020 mg/L	0.000354	0.00020 mg/L	0.000354	180.98%
Ti 337.279†	-2.3	-0.00032 mg/L	0.000379	-0.00032 mg/L	0.000379	119.59%
Tl 190.801†	-3.8	-0.00396 mg/L	0.003570	-0.00396 mg/L	0.003570	90.10%
Tl 276.787†	-76.5	-0.01688 mg/L	0.008038	-0.01688 mg/L	0.008038	47.60%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-2.3	-0.00087 mg/L	0.000589	-0.00087 mg/L	0.000589	67.40%
V 309.310†	-3.4	-0.00064 mg/L	0.000211	-0.00064 mg/L	0.000211	33.18%
V 310.230†	-449.8	-0.00259 mg/L	0.000705	-0.00259 mg/L	0.000705	27.25%
Zn 202.548†	-1.2	-0.00133 mg/L	0.002882	-0.00133 mg/L	0.002882	216.18%
Zn 206.200†	-1.0	-0.00199 mg/L	0.000490	-0.00199 mg/L	0.000490	24.60%
Zn 213.857†	-5.3	-0.00231 mg/L	0.000558	-0.00231 mg/L	0.000558	24.21%

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Sequence No.: 22
Sample ID: SIC Mo
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 1/3/02 11:50:30 AM

Sample Prep Volume:
Data Type: Original

Mean Data: SIC Mo

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	297632.0						2372.94	0.80%
Y 360.073	3943002.4						40333.84	1.02%
Ag 328.068†	-88.4	-0.00061	mg/L	0.000239	-0.00061	mg/L	0.000239	39.44%
Ag 338.289†	16.5	0.00018	mg/L	0.000545	0.00018	mg/L	0.000545	301.04%
Al 308.215†	20.7	0.03365	mg/L	0.002897	0.03365	mg/L	0.002897	8.61%
Al 394.401†	-2.1	-0.00273	mg/L	0.004719	-0.00273	mg/L	0.004719	172.75%
Al 396.153†	1135.4	0.03445	mg/L	0.008095	0.03445	mg/L	0.008095	23.50%
As 188.979†	-0.7	-0.03647	mg/L	0.046169	-0.03647	mg/L	0.046169	126.60%
As 193.696†	-1.8	-0.00240	mg/L	0.003003	-0.00240	mg/L	0.003003	124.98%
As 197.197†	-0.1	-0.01014	mg/L	0.041763	-0.01014	mg/L	0.041763	412.02%
B 208.889†	-3.8	-0.02896	mg/L	0.008061	-0.02896	mg/L	0.008061	27.84%
B 249.677†	-1.7	-0.00186	mg/L	0.004107	-0.00186	mg/L	0.004107	220.35%
B 249.772†	-1.0	-0.00049	mg/L	0.000198	-0.00049	mg/L	0.000198	40.51%
Ba 233.527†	-1.4	-0.00048	mg/L	0.000393	-0.00048	mg/L	0.000393	82.42%
Ba 455.403†	3.1	0.00004	mg/L	0.000044	0.00004	mg/L	0.000044	120.81%
Ba 493.408†	-13.9	-0.00009	mg/L	0.000170	-0.00009	mg/L	0.000170	199.18%
Be 234.861†	167.3	0.00042	mg/L	0.000115	0.00042	mg/L	0.000115	27.52%
Be 313.042†	-1.6	-0.00002	mg/L	0.000008	-0.00002	mg/L	0.000008	31.74%
Be 313.107†	-1.6	-0.00002	mg/L	0.000008	-0.00002	mg/L	0.000008	31.74%
Ca 315.887†	66.9	0.02245	mg/L	0.000354	0.02245	mg/L	0.000354	1.58%
Ca 317.933†	-6.7	-0.00284	mg/L	0.002246	-0.00284	mg/L	0.002246	79.08%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	-4.3	-0.00011	mg/L	0.000089	-0.00011	mg/L	0.000089	80.16%
Cd 228.802†	0.9	0.00043	mg/L	0.000525	0.00043	mg/L	0.000525	121.75%
Ce 413.380†	10.0	0.00640	mg/L	0.005054	0.00640	mg/L	0.005054	78.99%
Ce 413.764†	4.8	0.00286	mg/L	0.001374	0.00286	mg/L	0.001374	47.96%
Ce 418.660†	-3.0	-0.00095	mg/L	0.009635	-0.00095	mg/L	0.009635	>999.9%
Co 228.616†	110.1	0.00293	mg/L	0.000166	0.00293	mg/L	0.000166	5.68%
Co 230.786†	0.2	0.00026	mg/L	0.001397	0.00026	mg/L	0.001397	544.11%
Co 238.892†	-0.1	-0.00012	mg/L	0.001171	-0.00012	mg/L	0.001171	>999.9%
Cr 205.560†	-0.6	-0.00379	mg/L	0.004362	-0.00379	mg/L	0.004362	115.20%
Cr 267.716†	1.7	0.00006	mg/L	0.000006	0.00006	mg/L	0.000006	9.79%

Cr 283.563†	8.2	0.00240 mg/L	0.000423	0.00240 mg/L	0.000423	17.63%
Cu 224.700†	0.0	0.00001 mg/L	0.003276	0.00001 mg/L	0.003276	>999.9%
Cu 324.752†	0.5	0.00007 mg/L	0.000303	0.00007 mg/L	0.000303	436.23%
Cu 327.393†	-5.8	-0.00009 mg/L	0.000386	-0.00009 mg/L	0.000386	441.99%
Fe 238.204†	0.2	0.00007 mg/L	0.000680	0.00007 mg/L	0.000680	943.75%
Fe 239.562†	0.2	0.00014 mg/L	0.001676	0.00014 mg/L	0.001676	>999.9%
Fe 259.939†	-0.1	-0.00001 mg/L	0.001350	-0.00001 mg/L	0.001350	>999.9%
Fe 273.955†	-2.5	-0.00381 mg/L	0.002346	-0.00381 mg/L	0.002346	61.55%
K 766.490†	-235.7	-0.5168 mg/L	0.04452	-0.5168 mg/L	0.04452	8.62%
Li 610.362†	138.8	0.01906 mg/L	0.007589	0.01906 mg/L	0.007589	39.81%
Li 670.784†	-193.7	-0.00365 mg/L	0.000756	-0.00365 mg/L	0.000756	20.71%
Mg 279.077†	-1.9	-0.00290 mg/L	0.007087	-0.00290 mg/L	0.007087	244.75%
Mg 280.271†	-29.2	-0.00029 mg/L	0.000076	-0.00029 mg/L	0.000076	25.74%
Mg 285.213†	1.0	0.00030 mg/L	0.000245	0.00030 mg/L	0.000245	80.91%
Mn 257.610†	20.9	0.00123 mg/L	0.000491	0.00123 mg/L	0.000491	39.98%
Mn 259.372†	1345.4	0.00278 mg/L	0.000744	0.00278 mg/L	0.000744	26.79%
Mn 260.568†	6.8	0.00061 mg/L	0.000334	0.00061 mg/L	0.000334	54.90%
Mo 202.031†	1559.7	9.964 mg/L	0.1534	9.964 mg/L	0.1534	1.54%
Mo 203.845†	983.1	9.930 mg/L	0.1313	9.930 mg/L	0.1313	1.32%
Mo 204.597†	70411.3	9.789 mg/L	0.1015	9.789 mg/L	0.1015	1.04%
Na 588.995†	-451.9	-0.09037 mg/L	0.004963	-0.09037 mg/L	0.004963	5.49%
Na 589.592†	-498.9	-0.09496 mg/L	0.006160	-0.09496 mg/L	0.006160	6.49%
Ni 221.648†	0.5	0.00284 mg/L	0.002864	0.00284 mg/L	0.002864	100.96%
Ni 231.604†	-10.2	-0.00069 mg/L	0.000271	-0.00069 mg/L	0.000271	39.49%
Ni 232.003†	0.7	0.00225 mg/L	0.002605	0.00225 mg/L	0.002605	115.76%
Pb 217.000†	0.4	0.00854 mg/L	0.019856	0.00854 mg/L	0.019856	232.51%
Pb 220.353†	-5.2	-0.00192 mg/L	0.000929	-0.00192 mg/L	0.000929	48.33%
Sb 206.836†	12.3	0.00563 mg/L	0.000939	0.00563 mg/L	0.000939	16.67%
Sb 217.582†	-1.1	-0.03283 mg/L	0.010524	-0.03283 mg/L	0.010524	32.05%
Se 196.026†	0.9	0.00097 mg/L	0.002116	0.00097 mg/L	0.002116	218.53%
Se 203.985†	1.2	0.00203 mg/L	0.001203	0.00203 mg/L	0.001203	59.18%
Sn 189.927†	-2.7	-0.00202 mg/L	0.000510	-0.00202 mg/L	0.000510	25.31%
Sn 235.485†	-1.0	-0.00884 mg/L	0.003382	-0.00884 mg/L	0.003382	38.25%
Sr 407.771†	5.5	0.00002 mg/L	0.000073	0.00002 mg/L	0.000073	297.36%
Sr 421.552†	34.0	0.00014 mg/L	0.000108	0.00014 mg/L	0.000108	79.22%
Sr 460.733†	-57.6	-0.00532 mg/L	0.002967	-0.00532 mg/L	0.002967	55.76%
Ti 334.940†	25.4	0.00136 mg/L	0.000077	0.00136 mg/L	0.000077	5.69%
Ti 336.121†	17.6	0.00110 mg/L	0.000856	0.00110 mg/L	0.000856	77.71%
Ti 337.279†	7.1	0.00099 mg/L	0.000024	0.00099 mg/L	0.000024	2.45%
Tl 190.801†	3.7	0.00391 mg/L	0.002249	0.00391 mg/L	0.002249	57.52%
Tl 276.787†	-12.4	-0.00273 mg/L	0.001090	-0.00273 mg/L	0.001090	39.93%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	16.3	0.00622 mg/L	0.003601	0.00622 mg/L	0.003601	57.92%
V 309.310†	6.7	0.00124 mg/L	0.000071	0.00124 mg/L	0.000071	5.74%
V 310.230†	-520.4	-0.00299 mg/L	0.000289	-0.00299 mg/L	0.000289	9.66%
Zn 202.548†	3.4	0.00369 mg/L	0.000809	0.00369 mg/L	0.000809	21.90%
Zn 206.200†	4.3	0.00884 mg/L	0.001188	0.00884 mg/L	0.001188	13.44%
Zn 213.857†	14.5	0.00668 mg/L	0.001011	0.00668 mg/L	0.001011	15.14%

Sequence No.: 23
Sample ID: SIC Ni
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 1/3/02 11:55:27 AM

Sample Prep Volume:
Data Type: Original

Mean Data: SIC Ni

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	299974.5						3854.01	1.28%
Y 360.073	3968309.0						32832.89	0.83%
Ag 328.068†	-49.9	-0.00034	mg/L	0.000384	-0.00034	mg/L	0.000384	112.01%
Ag 338.289†	47.0	0.00052	mg/L	0.000384	0.00052	mg/L	0.000384	74.37%
Al 308.215†	13.6	0.02208	mg/L	0.001696	0.02208	mg/L	0.001696	7.68%
Al 394.401†	8.5	0.01094	mg/L	0.001363	0.01094	mg/L	0.001363	12.46%
Al 396.153†	21.8	0.00682	mg/L	0.004782	0.00682	mg/L	0.004782	70.10%
As 188.979†	-0.2	-0.00922	mg/L	0.023090	-0.00922	mg/L	0.023090	250.32%
As 193.696†	-1.3	-0.00175	mg/L	0.002487	-0.00175	mg/L	0.002487	142.43%
As 197.197†	-0.6	-0.04914	mg/L	0.074289	-0.04914	mg/L	0.074289	151.18%

B 208.889†	-2.0	-0.01513 mg/L	0.012357	-0.01513 mg/L	0.012357	81.66%
B 249.677†	-1.4	-0.00149 mg/L	0.003645	-0.00149 mg/L	0.003645	244.34%
B 249.772†	3.7	0.00183 mg/L	0.001235	0.00183 mg/L	0.001235	67.46%
Ba 233.527†	-0.3	-0.00010 mg/L	0.000461	-0.00010 mg/L	0.000461	484.33%
Ba 455.403†	13.8	0.00016 mg/L	0.000282	0.00016 mg/L	0.000282	171.83%
Ba 493.408†	4.4	0.00003 mg/L	0.000391	0.00003 mg/L	0.000391	>999.9%
Be 234.861†	12.3	0.00003 mg/L	0.000038	0.00003 mg/L	0.000038	123.83%
Be 313.042†	-3.2	-0.00005 mg/L	0.000059	-0.00005 mg/L	0.000059	125.09%
Be 313.107†	-3.2	-0.00005 mg/L	0.000059	-0.00005 mg/L	0.000059	125.09%
Ca 315.887†	58.5	0.01962 mg/L	0.003203	0.01962 mg/L	0.003203	16.32%
Ca 317.933†	4.1	0.00176 mg/L	0.004269	0.00176 mg/L	0.004269	243.18%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	24.2	0.00063 mg/L	0.000234	0.00063 mg/L	0.000234	37.32%
Cd 228.802†	2.0	0.00093 mg/L	0.000586	0.00093 mg/L	0.000586	62.80%
Ce 413.380†	3.8	0.00241 mg/L	0.004301	0.00241 mg/L	0.004301	178.27%
Ce 413.764†	2.2	0.00131 mg/L	0.002474	0.00131 mg/L	0.002474	188.29%
Ce 418.660†	-9.1	-0.00287 mg/L	0.015026	-0.00287 mg/L	0.015026	524.33%
Co 228.616†	-4.0	-0.00011 mg/L	0.000048	-0.00011 mg/L	0.000048	45.17%
Co 230.786†	0.8	0.00109 mg/L	0.000845	0.00109 mg/L	0.000845	77.63%
Co 238.892†	-0.9	-0.00093 mg/L	0.001567	-0.00093 mg/L	0.001567	169.04%
Cr 205.560†	-0.7	-0.00478 mg/L	0.001979	-0.00478 mg/L	0.001979	41.42%
Cr 267.716†	2.2	0.00008 mg/L	0.000200	0.00008 mg/L	0.000200	260.15%
Cr 283.563†	0.7	0.00019 mg/L	0.000660	0.00019 mg/L	0.000660	340.07%
Cu 224.700†	2.3	0.00544 mg/L	0.003330	0.00544 mg/L	0.003330	61.17%
Cu 324.752†	-1.2	-0.00015 mg/L	0.000167	-0.00015 mg/L	0.000167	108.15%
Cu 327.393†	-12.8	-0.00019 mg/L	0.000346	-0.00019 mg/L	0.000346	180.43%
Fe 238.204†	-3.3	-0.00153 mg/L	0.001404	-0.00153 mg/L	0.001404	92.00%
Fe 239.562†	-2.3	-0.00137 mg/L	0.001239	-0.00137 mg/L	0.001239	90.68%
Fe 259.939†	-7.1	-0.00168 mg/L	0.000706	-0.00168 mg/L	0.000706	42.10%
Fe 273.955†	-0.1	-0.00019 mg/L	0.000455	-0.00019 mg/L	0.000455	239.42%
K 766.490†	-267.7	-0.5868 mg/L	0.01163	-0.5868 mg/L	0.01163	1.98%
Li 610.362†	118.2	0.01624 mg/L	0.005921	0.01624 mg/L	0.005921	36.47%
Li 670.784†	-241.6	-0.00455 mg/L	0.001634	-0.00455 mg/L	0.001634	35.89%
Mg 279.077†	-3.8	-0.00577 mg/L	0.003154	-0.00577 mg/L	0.003154	54.70%
Mg 280.271†	-0.5	-0.00001 mg/L	0.000547	-0.00001 mg/L	0.000547	>999.9%
Mg 285.213†	2.1	0.00061 mg/L	0.000559	0.00061 mg/L	0.000559	92.26%
Mn 257.610†	1.5	0.00009 mg/L	0.000013	0.00009 mg/L	0.000013	14.72%
Mn 259.372†	1.8	-0.00020 mg/L	0.000434	-0.00020 mg/L	0.000434	213.28%
Mn 260.568†	1.2	0.00011 mg/L	0.000120	0.00011 mg/L	0.000120	110.84%
Mo 202.031†	2.5	0.01606 mg/L	0.006383	0.01606 mg/L	0.006383	39.75%
Mo 203.845†	-0.4	-0.00410 mg/L	0.011677	-0.00410 mg/L	0.011677	284.99%
Mo 204.597†	25.1	0.00350 mg/L	0.000419	0.00350 mg/L	0.000419	11.99%
Na 588.995†	-470.5	-0.09408 mg/L	0.004459	-0.09408 mg/L	0.004459	4.74%
Na 589.592†	-743.9	-0.1416 mg/L	0.01215	-0.1416 mg/L	0.01215	8.58%
Ni 221.648†	1553.1	9.603 mg/L	0.0621	9.603 mg/L	0.0621	0.65%
Ni 231.604†	150033.9	10.10 mg/L	0.082	10.10 mg/L	0.082	0.81%
Ni 232.003†	3104.0	9.616 mg/L	0.0592	9.616 mg/L	0.0592	0.62%
Pb 217.000†	0.8	0.01482 mg/L	0.023718	0.01482 mg/L	0.023718	160.05%
Pb 220.353†	-4.3	-0.00158 mg/L	0.000654	-0.00158 mg/L	0.000654	41.33%
Sb 206.836†	-0.6	-0.00026 mg/L	0.000740	-0.00026 mg/L	0.000740	284.33%
Sb 217.582†	-0.6	-0.01853 mg/L	0.028184	-0.01853 mg/L	0.028184	152.13%
Se 196.026†	0.8	0.00091 mg/L	0.000337	0.00091 mg/L	0.000337	36.98%
Se 203.985†	1.7	0.00298 mg/L	0.001529	0.00298 mg/L	0.001529	51.29%
Sn 189.927†	-2.7	-0.00201 mg/L	0.001197	-0.00201 mg/L	0.001197	59.60%
Sn 235.485†	-1.1	-0.00988 mg/L	0.013167	-0.00988 mg/L	0.013167	133.23%
Sr 407.771†	26.6	0.00012 mg/L	0.000081	0.00012 mg/L	0.000081	68.29%
Sr 421.552†	38.8	0.00016 mg/L	0.000083	0.00016 mg/L	0.000083	53.42%
Sr 460.733†	-89.2	-0.00824 mg/L	0.007791	-0.00824 mg/L	0.007791	94.59%
Ti 334.940†	-1.7	-0.00009 mg/L	0.000091	-0.00009 mg/L	0.000091	102.35%
Ti 336.121†	-1.6	-0.00010 mg/L	0.000646	-0.00010 mg/L	0.000646	624.54%
Ti 337.279†	0.2	0.00003 mg/L	0.000145	0.00003 mg/L	0.000145	504.10%
Tl 190.801†	-0.9	-0.00098 mg/L	0.001991	-0.00098 mg/L	0.001991	202.73%
Tl 276.787†	-2.6	-0.00058 mg/L	0.001205	-0.00058 mg/L	0.001205	208.80%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-4.1	-0.00155 mg/L	0.001102	-0.00155 mg/L	0.001102	71.17%
V 309.310†	-2.6	-0.00049 mg/L	0.000483	-0.00049 mg/L	0.000483	98.78%
V 310.230†	-590.3	-0.00339 mg/L	0.000303	-0.00339 mg/L	0.000303	8.94%
Zn 202.548†	0.4	-0.00057 mg/L	0.002347	-0.00057 mg/L	0.002347	412.41%
Zn 206.200†	1.0	0.00212 mg/L	0.000647	0.00212 mg/L	0.000647	30.47%
Zn 213.857†	105.6	-0.00411 mg/L	0.001500	-0.00411 mg/L	0.001500	36.52%

Sequence No.: 24
Sample ID: SIC Ti
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 1/3/02 12:01:05 PM

Sample Prep Volume:
Data Type: Original

Mean Data: SIC Ti

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	300813.6						1675.93	0.56%
Y 360.073	3951189.8						20222.72	0.51%
Ag 328.068†	-68.9	-0.00047	mg/L	0.000214	-0.00047	mg/L	0.000214	45.13%
Ag 338.289†	120.6	0.00133	mg/L	0.000934	0.00133	mg/L	0.000934	70.48%
Al 308.215†	31.5	0.05133	mg/L	0.005381	0.05133	mg/L	0.005381	10.48%
Al 394.401†	15.6	0.02019	mg/L	0.001734	0.02019	mg/L	0.001734	8.59%
Al 396.153†	66.3	0.02022	mg/L	0.002314	0.02022	mg/L	0.002314	11.45%
As 188.979†	0.4	0.01932	mg/L	0.062605	0.01932	mg/L	0.062605	323.96%
As 193.696†	-2.0	-0.00265	mg/L	0.000822	-0.00265	mg/L	0.000822	31.01%
As 197.197†	-0.4	-0.03195	mg/L	0.086897	-0.03195	mg/L	0.086897	272.02%
B 208.889†	-1.4	-0.01060	mg/L	0.011556	-0.01060	mg/L	0.011556	108.98%
B 249.677†	3.5	0.00377	mg/L	0.005710	0.00377	mg/L	0.005710	151.59%
B 249.772†	9.7	0.00479	mg/L	0.000581	0.00479	mg/L	0.000581	12.12%
Ba 233.527†	0.0	0.00002	mg/L	0.000328	0.00002	mg/L	0.000328	>999.9%
Ba 455.403†	11.3	0.00013	mg/L	0.000095	0.00013	mg/L	0.000095	70.99%
Ba 493.408†	19.1	0.00012	mg/L	0.000469	0.00012	mg/L	0.000469	398.87%
Be 234.861†	11.0	0.00003	mg/L	0.000035	0.00003	mg/L	0.000035	125.63%
Be 313.042†	1.5	0.00002	mg/L	0.000029	0.00002	mg/L	0.000029	130.49%
Be 313.107†	1.5	0.00002	mg/L	0.000029	0.00002	mg/L	0.000029	130.49%
Ca 315.887†	146.3	0.04909	mg/L	0.028792	0.04909	mg/L	0.028792	58.65%
Ca 317.933†	67.3	0.02870	mg/L	0.027373	0.02870	mg/L	0.027373	95.36%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	0.7	0.00002	mg/L	0.000054	0.00002	mg/L	0.000054	305.44%
Cd 228.802†	-0.3	-0.00014	mg/L	0.000272	-0.00014	mg/L	0.000272	189.94%
Ce 413.380†	10.1	0.00647	mg/L	0.005502	0.00647	mg/L	0.005502	85.00%
Ce 413.764†	-4.1	-0.00244	mg/L	0.009058	-0.00244	mg/L	0.009058	370.83%
Ce 418.660†	-9.9	-0.00311	mg/L	0.003902	-0.00311	mg/L	0.003902	125.53%
Co 228.616†	60.9	0.00162	mg/L	0.000239	0.00162	mg/L	0.000239	14.81%
Co 230.786†	0.4	0.00064	mg/L	0.000512	0.00064	mg/L	0.000512	80.43%
Co 238.892†	-0.8	-0.00084	mg/L	0.001450	-0.00084	mg/L	0.001450	171.87%
Cr 205.560†	0.1	0.00034	mg/L	0.002072	0.00034	mg/L	0.002072	603.13%
Cr 267.716†	29.8	0.00107	mg/L	0.000139	0.00107	mg/L	0.000139	13.08%
Cr 283.563†	5.5	0.00162	mg/L	0.000532	0.00162	mg/L	0.000532	32.76%
Cu 224.700†	0.3	0.00075	mg/L	0.003087	0.00075	mg/L	0.003087	413.48%
Cu 324.752†	-3.8	-0.00050	mg/L	0.000694	-0.00050	mg/L	0.000694	140.05%
Cu 327.393†	2.2	0.00003	mg/L	0.000056	0.00003	mg/L	0.000056	168.95%
Fe 238.204†	12.6	0.00577	mg/L	0.001473	0.00577	mg/L	0.001473	25.54%
Fe 239.562†	10.5	0.00630	mg/L	0.000559	0.00630	mg/L	0.000559	8.88%
Fe 259.939†	22.5	0.00529	mg/L	0.000803	0.00529	mg/L	0.000803	15.19%
Fe 273.955†	3.7	0.00559	mg/L	0.002115	0.00559	mg/L	0.002115	37.83%
K 766.490†	-216.2	-0.4741	mg/L	0.01443	-0.4741	mg/L	0.01443	3.04%
Li 610.362†	103.3	0.01419	mg/L	0.005045	0.01419	mg/L	0.005045	35.55%
Li 670.784†	-211.2	-0.00398	mg/L	0.000699	-0.00398	mg/L	0.000699	17.56%
Mg 279.077†	-3.7	-0.00560	mg/L	0.004963	-0.00560	mg/L	0.004963	88.70%
Mg 280.271†	314.6	0.00316	mg/L	0.002249	0.00316	mg/L	0.002249	71.16%
Mg 285.213†	13.9	0.00410	mg/L	0.002359	0.00410	mg/L	0.002359	57.58%
Mn 257.610†	2.5	0.00015	mg/L	0.000041	0.00015	mg/L	0.000041	27.55%
Mn 259.372†	7.8	0.00025	mg/L	0.000264	0.00025	mg/L	0.000264	103.50%
Mn 260.568†	-0.1	-0.00001	mg/L	0.000335	-0.00001	mg/L	0.000335	>999.9%
Mo 202.031†	1.1	0.00681	mg/L	0.008609	0.00681	mg/L	0.008609	126.47%
Mo 203.845†	0.8	0.00810	mg/L	0.026157	0.00810	mg/L	0.026157	323.12%
Mo 204.597†	3.3	0.00046	mg/L	0.000201	0.00046	mg/L	0.000201	43.77%
Na 588.995†	-465.8	-0.09314	mg/L	0.007694	-0.09314	mg/L	0.007694	8.26%
Na 589.592†	-724.5	-0.1379	mg/L	0.00668	-0.1379	mg/L	0.00668	4.84%
Ni 221.648†	0.9	0.00585	mg/L	0.001296	0.00585	mg/L	0.001296	22.17%
Ni 231.604†	12.3	0.00083	mg/L	0.000072	0.00083	mg/L	0.000072	8.69%
Ni 232.003†	0.4	0.00131	mg/L	0.007208	0.00131	mg/L	0.007208	549.94%
Pb 217.000†	-0.4	-0.00699	mg/L	0.008671	-0.00699	mg/L	0.008671	124.01%

Pb 220.353†	-1.7	-0.00062 mg/L	0.000648	-0.00062 mg/L	0.000648	105.25%
Sb 206.836†	1.3	0.00058 mg/L	0.000798	0.00058 mg/L	0.000798	136.99%
Sb 217.582†	-0.7	-0.02180 mg/L	0.011394	-0.02180 mg/L	0.011394	52.26%
Se 196.026†	-2.2	-0.00249 mg/L	0.004005	-0.00249 mg/L	0.004005	161.10%
Se 203.985†	4.9	0.00869 mg/L	0.003658	0.00869 mg/L	0.003658	42.07%
Sn 189.927†	-8.6	-0.00632 mg/L	0.001575	-0.00632 mg/L	0.001575	24.94%
Sn 235.485†	3.6	0.03308 mg/L	0.018597	0.03308 mg/L	0.018597	56.22%
Sr 407.771†	69.3	0.00031 mg/L	0.000020	0.00031 mg/L	0.000020	6.44%
Sr 421.552†	92.9	0.00037 mg/L	0.000153	0.00037 mg/L	0.000153	41.03%
Sr 460.733†	-88.7	-0.00820 mg/L	0.005572	-0.00820 mg/L	0.005572	67.98%
Ti 334.940†	187200.1	9.994 mg/L	0.0164	9.994 mg/L	0.0164	0.16%
Ti 336.121†	159470.2	10.01 mg/L	0.014	10.01 mg/L	0.014	0.14%
Ti 337.279†	71696.4	9.921 mg/L	0.0128	9.921 mg/L	0.0128	0.13%
Tl 190.801†	-8.9	-0.00932 mg/L	0.001592	-0.00932 mg/L	0.001592	17.09%
Tl 276.787†	-13.1	-0.00290 mg/L	0.001647	-0.00290 mg/L	0.001647	56.78%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-3.8	-0.00146 mg/L	0.000725	-0.00146 mg/L	0.000725	49.52%
V 309.310†	-2.3	-0.00042 mg/L	0.000697	-0.00042 mg/L	0.000697	165.36%
V 310.230†	-368.0	-0.00212 mg/L	0.000303	-0.00212 mg/L	0.000303	14.34%
Zn 202.548†	-1.3	-0.00137 mg/L	0.001001	-0.00137 mg/L	0.001001	73.28%
Zn 206.200†	-0.2	-0.00038 mg/L	0.001225	-0.00038 mg/L	0.001225	321.73%
Zn 213.857†	-1.0	-0.00044 mg/L	0.001103	-0.00044 mg/L	0.001103	252.82%

Sequence No.: 25
Sample ID: wash
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 1/3/02 12:06:02 PM

Sample Prep Volume:
Data Type: Original

Mean Data: wash

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	300142.7						6916.55	2.30%
Y 360.073	3985609.4						51949.87	1.30%
Ag 328.068†	-49.8	-0.00034	mg/L	0.000276	-0.00034	mg/L	0.000276	80.69%
Ag 338.289†	58.9	0.00065	mg/L	0.000497	0.00065	mg/L	0.000497	76.77%
Al 308.215†	14.7	0.02391	mg/L	0.007267	0.02391	mg/L	0.007267	30.39%
Al 394.401†	12.3	0.01592	mg/L	0.002417	0.01592	mg/L	0.002417	15.19%
Al 396.153†	47.4	0.01419	mg/L	0.002091	0.01419	mg/L	0.002091	14.73%
As 188.979†	-0.5	-0.02739	mg/L	0.039053	-0.02739	mg/L	0.039053	142.60%
As 193.696†	-1.7	-0.00231	mg/L	0.001089	-0.00231	mg/L	0.001089	47.06%
As 197.197†	-0.4	-0.03357	mg/L	0.036128	-0.03357	mg/L	0.036128	107.61%
B 208.889†	-2.7	-0.02029	mg/L	0.004956	-0.02029	mg/L	0.004956	24.42%
B 249.677†	-5.2	-0.00554	mg/L	0.002485	-0.00554	mg/L	0.002485	44.86%
B 249.772†	-4.3	-0.00211	mg/L	0.000589	-0.00211	mg/L	0.000589	27.97%
Ba 233.527†	-1.3	-0.00046	mg/L	0.000500	-0.00046	mg/L	0.000500	108.43%
Ba 455.403†	-3.0	-0.00004	mg/L	0.000061	-0.00004	mg/L	0.000061	172.16%
Ba 493.408†	-24.5	-0.00015	mg/L	0.000169	-0.00015	mg/L	0.000169	111.66%
Be 234.861†	-7.0	-0.00002	mg/L	0.000012	-0.00002	mg/L	0.000012	69.21%
Be 313.042†	-5.0	-0.00008	mg/L	0.000014	-0.00008	mg/L	0.000014	18.28%
Be 313.107†	-5.0	-0.00008	mg/L	0.000014	-0.00008	mg/L	0.000014	18.28%
Ca 315.887†	79.0	0.02653	mg/L	0.000710	0.02653	mg/L	0.000710	2.68%
Ca 317.933†	27.4	0.01167	mg/L	0.007605	0.01167	mg/L	0.007605	65.17%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	-1.1	-0.00003	mg/L	0.000102	-0.00003	mg/L	0.000102	356.72%
Cd 228.802†	-0.6	-0.00029	mg/L	0.000129	-0.00029	mg/L	0.000129	44.55%
Ce 413.380†	4.1	0.00265	mg/L	0.011142	0.00265	mg/L	0.011142	420.33%
Ce 413.764†	-7.4	-0.00443	mg/L	0.003785	-0.00443	mg/L	0.003785	85.39%
Ce 418.660†	4.8	0.00153	mg/L	0.001680	0.00153	mg/L	0.001680	110.09%
Co 228.616†	-6.7	-0.00018	mg/L	0.000190	-0.00018	mg/L	0.000190	106.90%
Co 230.786†	1.6	0.00229	mg/L	0.001152	0.00229	mg/L	0.001152	50.43%
Co 238.892†	-0.7	-0.00078	mg/L	0.001326	-0.00078	mg/L	0.001326	170.99%
Cr 205.560†	-0.2	-0.00166	mg/L	0.001653	-0.00166	mg/L	0.001653	99.59%
Cr 267.716†	-1.2	-0.00004	mg/L	0.000045	-0.00004	mg/L	0.000045	109.03%
Cr 283.563†	1.3	0.00039	mg/L	0.000542	0.00039	mg/L	0.000542	140.42%
Cu 224.700†	0.4	0.00107	mg/L	0.005536	0.00107	mg/L	0.005536	519.43%
Cu 324.752†	-13.8	-0.00181	mg/L	0.000509	-0.00181	mg/L	0.000509	28.15%
Cu 327.393†	-115.1	-0.00172	mg/L	0.000099	-0.00172	mg/L	0.000099	5.74%

Fe 238.204†	15.4	0.00704 mg/L	0.000260	0.00704 mg/L	0.000260	3.69%
Fe 239.562†	10.8	0.00645 mg/L	0.000922	0.00645 mg/L	0.000922	14.30%
Fe 259.939†	29.3	0.00690 mg/L	0.000585	0.00690 mg/L	0.000585	8.48%
Fe 273.955†	6.3	0.00947 mg/L	0.001690	0.00947 mg/L	0.001690	17.84%
K 766.490†	-360.8	-0.7910 mg/L	0.04271	-0.7910 mg/L	0.04271	5.40%
Li 610.362†	25.3	0.00347 mg/L	0.004464	0.00347 mg/L	0.004464	128.47%
Li 670.784†	-327.1	-0.00617 mg/L	0.000845	-0.00617 mg/L	0.000845	13.70%
Mg 279.077†	6.9	0.01044 mg/L	0.012516	0.01044 mg/L	0.012516	119.88%
Mg 280.271†	2109.7	0.02120 mg/L	0.000818	0.02120 mg/L	0.000818	3.86%
Mg 285.213†	72.0	0.02121 mg/L	0.000844	0.02121 mg/L	0.000844	3.98%
Mn 257.610†	-4.4	-0.00026 mg/L	0.000058	-0.00026 mg/L	0.000058	22.21%
Mn 259.372†	-6.3	-0.00030 mg/L	0.000317	-0.00030 mg/L	0.000317	106.47%
Mn 260.568†	-3.1	-0.00028 mg/L	0.000118	-0.00028 mg/L	0.000118	42.41%
Mo 202.031†	1.7	0.01070 mg/L	0.005452	0.01070 mg/L	0.005452	50.93%
Mo 203.845†	-1.4	-0.01430 mg/L	0.009251	-0.01430 mg/L	0.009251	64.70%
Mo 204.597†	2.9	0.00040 mg/L	0.000064	0.00040 mg/L	0.000064	16.12%
Na 588.995†	-760.2	-0.1520 mg/L	0.01409	-0.1520 mg/L	0.01409	9.27%
Na 589.592†	-976.7	-0.1859 mg/L	0.00167	-0.1859 mg/L	0.00167	0.90%
Ni 221.648†	0.0	0.00021 mg/L	0.000950	0.00021 mg/L	0.000950	447.99%
Ni 231.604†	-3.5	-0.00024 mg/L	0.000045	-0.00024 mg/L	0.000045	18.96%
Ni 232.003†	1.2	0.00361 mg/L	0.002909	0.00361 mg/L	0.002909	80.54%
Pb 217.000†	0.4	0.00735 mg/L	0.015260	0.00735 mg/L	0.015260	207.54%
Pb 220.353†	-1.5	-0.00054 mg/L	0.000402	-0.00054 mg/L	0.000402	74.99%
Sb 206.836†	3.4	0.00154 mg/L	0.001353	0.00154 mg/L	0.001353	87.95%
Sb 217.582†	-0.5	-0.01513 mg/L	0.017378	-0.01513 mg/L	0.017378	114.87%
Se 196.026†	-0.4	-0.00047 mg/L	0.002295	-0.00047 mg/L	0.002295	485.28%
Se 203.985†	2.8	0.00488 mg/L	0.006052	0.00488 mg/L	0.006052	124.13%
Sn 189.927†	-3.3	-0.00245 mg/L	0.001131	-0.00245 mg/L	0.001131	46.20%
Sn 235.485†	-0.5	-0.00431 mg/L	0.006875	-0.00431 mg/L	0.006875	159.47%
Sr 407.771†	-21.6	-0.00010 mg/L	0.000061	-0.00010 mg/L	0.000061	62.65%
Sr 421.552†	-13.2	-0.00005 mg/L	0.000028	-0.00005 mg/L	0.000028	53.05%
Sr 460.733†	-32.7	-0.00302 mg/L	0.001209	-0.00302 mg/L	0.001209	39.99%
Ti 334.940†	28.2	0.00151 mg/L	0.000351	0.00151 mg/L	0.000351	23.27%
Ti 336.121†	28.0	0.00176 mg/L	0.000463	0.00176 mg/L	0.000463	26.35%
Ti 337.279†	11.9	0.00164 mg/L	0.000401	0.00164 mg/L	0.000401	24.41%
Tl 190.801†	-1.0	-0.00101 mg/L	0.001336	-0.00101 mg/L	0.001336	132.49%
Tl 276.787†	-1.5	-0.00034 mg/L	0.001540	-0.00034 mg/L	0.001540	458.02%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-1.3	-0.00051 mg/L	0.002065	-0.00051 mg/L	0.002065	403.35%
V 309.310†	-2.0	-0.00038 mg/L	0.000411	-0.00038 mg/L	0.000411	108.30%
V 310.230†	-628.9	-0.00362 mg/L	0.000526	-0.00362 mg/L	0.000526	14.56%
Zn 202.548†	-4.1	-0.00445 mg/L	0.001243	-0.00445 mg/L	0.001243	27.92%
Zn 206.200†	-1.9	-0.00391 mg/L	0.001435	-0.00391 mg/L	0.001435	36.72%
Zn 213.857†	-8.3	-0.00360 mg/L	0.000672	-0.00360 mg/L	0.000672	18.67%

Sequence No.: 26 **Autosampler Location: 1**
Sample ID: BLANK **Date Collected: 1/3/02 12:10:58 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: BLANK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	291428.3						2145.63	0.74%
Y 360.073	3907944.6						8113.17	0.21%
Ag 328.068†	-21.5	-0.00015	mg/L	0.000238	-0.00015	mg/L	0.000238	161.27%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Ag 338.289†	54.8	0.00060	mg/L	0.000232	0.00060	mg/L	0.000232	38.52%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215†	3.1	0.00498	mg/L	0.002957	0.00498	mg/L	0.002957	59.43%
QC value within limits for Al 308.215 Recovery = Not calculated								
Al 394.401†	-3.3	-0.00429	mg/L	0.001853	-0.00429	mg/L	0.001853	43.15%
QC value within limits for Al 394.401 Recovery = Not calculated								
Al 396.153†	-1.5	-0.00067	mg/L	0.002591	-0.00067	mg/L	0.002591	386.87%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-0.2	-0.01016	mg/L	0.039014	-0.01016	mg/L	0.039014	384.03%
QC value within limits for As 188.979 Recovery = Not calculated								

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As 193.696†                -1.9    -0.00254 mg/L      0.000713    -0.00254 mg/L      0.000713  28.07%
   QC value within limits for As 193.696  Recovery = Not calculated
As 197.197†                -0.7    -0.05339 mg/L      0.030894    -0.05339 mg/L      0.030894  57.87%
   QC value within limits for As 197.197  Recovery = Not calculated
B 208.889†                 -0.7    -0.00564 mg/L      0.009623    -0.00564 mg/L      0.009623 170.71%
   QC value within limits for B 208.889  Recovery = Not calculated
B 249.677†                 -7.2    -0.00772 mg/L      0.002313    -0.00772 mg/L      0.002313  29.98%
   QC value within limits for B 249.677  Recovery = Not calculated
B 249.772†                 -6.3    -0.00312 mg/L      0.002375    -0.00312 mg/L      0.002375  76.23%
   QC value within limits for B 249.772  Recovery = Not calculated
Ba 233.527†                -0.4    -0.00016 mg/L      0.000410    -0.00016 mg/L      0.000410 259.79%
   QC value within limits for Ba 233.527  Recovery = Not calculated
Ba 455.403†                 7.0     0.00008 mg/L      0.000165     0.00008 mg/L      0.000165 200.01%
   QC value within limits for Ba 455.403  Recovery = Not calculated
Ba 493.408†                14.2     0.00009 mg/L      0.000101     0.00009 mg/L      0.000101 115.52%
   QC value within limits for Ba 493.408  Recovery = Not calculated
Be 234.861†                29.6     0.00007 mg/L      0.000030     0.00007 mg/L      0.000030  40.73%
   QC value within limits for Be 234.861  Recovery = Not calculated
Be 313.042†                -3.9    -0.00006 mg/L      0.000006    -0.00006 mg/L      0.000006  10.47%
   QC value within limits for Be 313.042  Recovery = Not calculated
Be 313.107†                -3.9    -0.00006 mg/L      0.000006    -0.00006 mg/L      0.000006  10.47%
   QC value within limits for Be 313.107  Recovery = Not calculated
Ca 315.887†                 0.5     0.00016 mg/L      0.001319     0.00016 mg/L      0.001319 839.76%
   QC value within limits for Ca 315.887  Recovery = Not calculated
Ca 317.933†               -32.1    -0.01369 mg/L      0.002270    -0.01369 mg/L      0.002270  16.58%
   QC value within limits for Ca 317.933  Recovery = Not calculated
Cd 214.440†                 0.0     0.00000 mg/L      0.000000     0.00000 mg/L      0.000000   0.00%
   QC value within limits for Cd 214.440  Recovery = Not calculated
Cd 226.502†                -1.9    -0.00005 mg/L      0.000057    -0.00005 mg/L      0.000057 114.39%
   QC value within limits for Cd 226.502  Recovery = Not calculated
Cd 228.802†                -0.4    -0.00020 mg/L      0.000568    -0.00020 mg/L      0.000568 289.22%
   QC value within limits for Cd 228.802  Recovery = Not calculated
Ce 413.380†                 7.2     0.00462 mg/L      0.003422     0.00462 mg/L      0.003422  74.00%
   QC value within limits for Ce 413.380  Recovery = Not calculated
Ce 413.764†                -9.2    -0.00549 mg/L      0.001717    -0.00549 mg/L      0.001717  31.28%
   QC value within limits for Ce 413.764  Recovery = Not calculated
Ce 418.660†               -44.0    -0.01389 mg/L      0.010518    -0.01389 mg/L      0.010518  75.75%
   QC value within limits for Ce 418.660  Recovery = Not calculated
Co 228.616†                 6.7     0.00018 mg/L      0.000098     0.00018 mg/L      0.000098  55.31%
   QC value within limits for Co 228.616  Recovery = Not calculated
Co 230.786†                 0.2     0.00025 mg/L      0.000807     0.00025 mg/L      0.000807 327.90%
   QC value within limits for Co 230.786  Recovery = Not calculated
Co 238.892†                -1.0    -0.00104 mg/L      0.002615    -0.00104 mg/L      0.002615 250.75%
   QC value within limits for Co 238.892  Recovery = Not calculated
Cr 205.560†                -0.5    -0.00350 mg/L      0.002927    -0.00350 mg/L      0.002927  83.59%
   QC value within limits for Cr 205.560  Recovery = Not calculated
Cr 267.716†                -1.4    -0.00005 mg/L      0.000077    -0.00005 mg/L      0.000077 153.42%
   QC value within limits for Cr 267.716  Recovery = Not calculated
Cr 283.563†                 2.2     0.00065 mg/L      0.000763     0.00065 mg/L      0.000763 117.96%
   QC value within limits for Cr 283.563  Recovery = Not calculated
Cu 224.700†                -0.1    -0.00030 mg/L      0.005572    -0.00030 mg/L      0.005572 >999.9%
   QC value within limits for Cu 224.700  Recovery = Not calculated
Cu 324.752†                -1.5    -0.00020 mg/L      0.000151    -0.00020 mg/L      0.000151  75.08%
   QC value within limits for Cu 324.752  Recovery = Not calculated
Cu 327.393†               -25.1    -0.00038 mg/L      0.000204    -0.00038 mg/L      0.000204  54.28%
   QC value within limits for Cu 327.393  Recovery = Not calculated
Fe 238.204†                -6.9    -0.00318 mg/L      0.000943    -0.00318 mg/L      0.000943  29.71%
   QC value within limits for Fe 238.204  Recovery = Not calculated
Fe 239.562†                -6.3    -0.00377 mg/L      0.000384    -0.00377 mg/L      0.000384  10.18%
   QC value within limits for Fe 239.562  Recovery = Not calculated
Fe 259.939†               -12.1    -0.00284 mg/L      0.000796    -0.00284 mg/L      0.000796  28.03%
   QC value within limits for Fe 259.939  Recovery = Not calculated
Fe 273.955†                -1.0    -0.00154 mg/L      0.002024    -0.00154 mg/L      0.002024 131.59%
   QC value within limits for Fe 273.955  Recovery = Not calculated
K 766.490†               -271.2     -0.5945 mg/L       0.07194     -0.5945 mg/L       0.07194  12.10%
   QC value within limits for K 766.490  Recovery = Not calculated
Li 610.362†               -73.2    -0.01006 mg/L      0.007366    -0.01006 mg/L      0.007366  73.25%
   QC value within limits for Li 610.362  Recovery = Not calculated
Li 670.784†               -87.4    -0.00165 mg/L      0.000796    -0.00165 mg/L      0.000796  48.29%
   QC value within limits for Li 670.784  Recovery = Not calculated
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Mg 279.077†              -4.7    -0.00705 mg/L      0.009764    -0.00705 mg/L      0.009764 138.45%
   QC value within limits for Mg 279.077  Recovery = Not calculated
Mg 280.271†            -293.4    -0.00295 mg/L      0.000453    -0.00295 mg/L      0.000453  15.37%
   QC value within limits for Mg 280.271  Recovery = Not calculated
Mg 285.213†              -8.2    -0.00242 mg/L      0.000554    -0.00242 mg/L      0.000554  22.90%
   QC value within limits for Mg 285.213  Recovery = Not calculated
Mn 257.610†              -2.2    -0.00013 mg/L      0.000070    -0.00013 mg/L      0.000070  53.45%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Mn 259.372†               0.3     0.00000 mg/L      0.000098     0.00000 mg/L      0.000098 >999.9%
   QC value within limits for Mn 259.372  Recovery = Not calculated
Mn 260.568†              -0.3    -0.00002 mg/L      0.000306    -0.00002 mg/L      0.000306 >999.9%
   QC value within limits for Mn 260.568  Recovery = Not calculated
Mo 202.031†               0.3     0.00205 mg/L      0.011970     0.00205 mg/L      0.011970 582.82%
   QC value within limits for Mo 202.031  Recovery = Not calculated
Mo 203.845†              -0.1    -0.00147 mg/L      0.004549    -0.00147 mg/L      0.004549 309.61%
   QC value within limits for Mo 203.845  Recovery = Not calculated
Mo 204.597†              -0.7    -0.00009 mg/L      0.000084    -0.00009 mg/L      0.000084  89.32%
   QC value within limits for Mo 204.597  Recovery = Not calculated
Na 588.995†            -646.1     -0.1292 mg/L       0.00299     -0.1292 mg/L       0.00299   2.32%
   QC value within limits for Na 588.995  Recovery = Not calculated
Na 589.592†            -799.9     -0.1522 mg/L       0.02152     -0.1522 mg/L       0.02152  14.14%
   QC value within limits for Na 589.592  Recovery = Not calculated
Ni 221.648†              -0.2    -0.00133 mg/L      0.003784    -0.00133 mg/L      0.003784 283.99%
   QC value within limits for Ni 221.648  Recovery = Not calculated
Ni 231.604†              -4.1    -0.00027 mg/L      0.000068    -0.00027 mg/L      0.000068  24.78%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Ni 232.003†              -0.9    -0.00275 mg/L      0.006865    -0.00275 mg/L      0.006865 249.36%
   QC value within limits for Ni 232.003  Recovery = Not calculated
Pb 217.000†              -0.8    -0.01651 mg/L      0.028111    -0.01651 mg/L      0.028111 170.30%
   QC value within limits for Pb 217.000  Recovery = Not calculated
Pb 220.353†              -1.8    -0.00068 mg/L      0.001868    -0.00068 mg/L      0.001868 274.74%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 206.836†               0.8     0.00036 mg/L      0.000765     0.00036 mg/L      0.000765 210.01%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Sb 217.582†              -0.7    -0.02212 mg/L      0.002296    -0.02212 mg/L      0.002296  10.38%
   QC value within limits for Sb 217.582  Recovery = Not calculated
Se 196.026†              -3.5    -0.00394 mg/L      0.004271    -0.00394 mg/L      0.004271 108.37%
   QC value within limits for Se 196.026  Recovery = Not calculated
Se 203.985†               1.1     0.00185 mg/L      0.003472     0.00185 mg/L      0.003472 187.67%
   QC value within limits for Se 203.985  Recovery = Not calculated
Sn 189.927†              -2.8    -0.00207 mg/L      0.000930    -0.00207 mg/L      0.000930  44.97%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Sn 235.485†               0.0     0.00014 mg/L      0.012657     0.00014 mg/L      0.012657 >999.9%
   QC value within limits for Sn 235.485  Recovery = Not calculated
Sr 407.771†              -8.8    -0.00004 mg/L      0.000070    -0.00004 mg/L      0.000070 178.67%
   QC value within limits for Sr 407.771  Recovery = Not calculated
Sr 421.552†              34.4     0.00014 mg/L      0.000041     0.00014 mg/L      0.000041  30.10%
   QC value within limits for Sr 421.552  Recovery = Not calculated
Sr 460.733†             -37.9    -0.00350 mg/L      0.002420    -0.00350 mg/L      0.002420  69.06%
   QC value within limits for Sr 460.733  Recovery = Not calculated
Ti 334.940†              16.3     0.00087 mg/L      0.000073     0.00087 mg/L      0.000073   8.42%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Ti 336.121†              18.4     0.00115 mg/L      0.001023     0.00115 mg/L      0.001023  88.83%
   QC value within limits for Ti 336.121  Recovery = Not calculated
Ti 337.279†               9.3     0.00129 mg/L      0.000486     0.00129 mg/L      0.000486  37.79%
   QC value within limits for Ti 337.279  Recovery = Not calculated
Tl 190.801†              -1.6    -0.00167 mg/L      0.000709    -0.00167 mg/L      0.000709  42.41%
   QC value within limits for Tl 190.801  Recovery = Not calculated
Tl 276.787†              -0.1    -0.00002 mg/L      0.002480    -0.00002 mg/L      0.002480 >999.9%
   QC value within limits for Tl 276.787  Recovery = Not calculated
Tl 351.924†               0.0     0.00000 mg/L      0.000000     0.00000 mg/L      0.000000   0.00%
   QC value within limits for Tl 351.924  Recovery = Not calculated
V 290.880†               -0.2    -0.00006 mg/L      0.001009    -0.00006 mg/L      0.001009 >999.9%
   QC value within limits for V 290.880  Recovery = Not calculated
V 309.310†               -2.1    -0.00039 mg/L      0.000466    -0.00039 mg/L      0.000466 119.36%
   QC value within limits for V 309.310  Recovery = Not calculated
V 310.230†             -883.7    -0.00508 mg/L      0.000357    -0.00508 mg/L      0.000357   7.02%
   QC value within limits for V 310.230  Recovery = Not calculated
Zn 202.548†              -2.8    -0.00309 mg/L      0.001268    -0.00309 mg/L      0.001268  41.06%
   QC value within limits for Zn 202.548  Recovery = Not calculated
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Zn 206.200†	-0.8	-0.00164 mg/L	0.002417	-0.00164 mg/L	0.002417	147.74%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Zn 213.857†	-4.0	-0.00175 mg/L	0.000872	-0.00175 mg/L	0.000872	49.93%
QC value within limits for Zn 213.857 Recovery = Not calculated						

All analytes passed QC.

Sequence No.: 27
Sample ID: LCM1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/3/02 12:15:25 PM
Sample Prep Volume:
Data Type: Original

Mean Data: LCM1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	300692.6						2000.33	0.67%
Y 360.073	3899057.7						51491.24	1.32%
Ag 328.068†	33356.1	0.2289	mg/L	0.00150	0.2289	mg/L	0.00150	0.66%
Ag 338.289†	20664.2	0.2271	mg/L	0.00204	0.2271	mg/L	0.00204	0.90%
Al 308.215†	587.0	0.9564	mg/L	0.00813	0.9564	mg/L	0.00813	0.85%
QC value within limits for Al 308.215 Recovery = 95.64%								
Al 394.401†	773.4	0.9996	mg/L	0.00516	0.9996	mg/L	0.00516	0.52%
QC value within limits for Al 394.401 Recovery = 99.96%								
Al 396.153†	3345.4	1.030	mg/L	0.0337	1.030	mg/L	0.0337	3.27%
QC value within limits for Al 396.153 Recovery = 103.03%								
As 188.979†	41.1	2.058	mg/L	0.0717	2.058	mg/L	0.0717	3.48%
QC value within limits for As 188.979 Recovery = 102.92%								
As 193.696†	1545.3	2.047	mg/L	0.0321	2.047	mg/L	0.0321	1.57%
QC value within limits for As 193.696 Recovery = 102.37%								
As 197.197†	24.8	1.947	mg/L	0.0741	1.947	mg/L	0.0741	3.81%
QC value within limits for As 197.197 Recovery = 97.34%								
B 208.889†	119.1	0.9114	mg/L	0.03601	0.9114	mg/L	0.03601	3.95%
QC value within limits for B 208.889 Recovery = 91.14%								
B 249.677†	868.9	0.9290	mg/L	0.01013	0.9290	mg/L	0.01013	1.09%
QC value within limits for B 249.677 Recovery = 92.90%								
B 249.772†	1887.8	0.9318	mg/L	0.00768	0.9318	mg/L	0.00768	0.82%
QC value within limits for B 249.772 Recovery = 93.18%								
Ba 233.527†	2824.3	0.9956	mg/L	0.00617	0.9956	mg/L	0.00617	0.62%
QC value within limits for Ba 233.527 Recovery = 99.56%								
Ba 455.403†	86701.1	1.028	mg/L	0.0040	1.028	mg/L	0.0040	0.39%
QC value within limits for Ba 455.403 Recovery = 102.80%								
Ba 493.408†	160897.3	0.9904	mg/L	0.00340	0.9904	mg/L	0.00340	0.34%
QC value within limits for Ba 493.408 Recovery = 99.04%								
Be 234.861†	414818.0	1.040	mg/L	0.0093	1.040	mg/L	0.0093	0.89%
QC value within limits for Be 234.861 Recovery = 104.04%								
Be 313.042†	63484.5	0.9507	mg/L	0.00339	0.9507	mg/L	0.00339	0.36%
QC value within limits for Be 313.042 Recovery = 95.07%								
Be 313.107†	63484.5	0.9507	mg/L	0.00339	0.9507	mg/L	0.00339	0.36%
QC value within limits for Be 313.107 Recovery = 95.07%								
Ca 315.887†	3071.4	1.031	mg/L	0.0092	1.031	mg/L	0.0092	0.89%
QC value within limits for Ca 315.887 Recovery = 103.08%								
Ca 317.933†	2328.3	0.9927	mg/L	0.00874	0.9927	mg/L	0.00874	0.88%
QC value within limits for Ca 317.933 Recovery = 99.27%								
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
QC value less than the lower limit for Cd 214.440 Recovery = 0.00%								
Cd 226.502†	38391.0	0.9946	mg/L	0.00787	0.9946	mg/L	0.00787	0.79%
QC value within limits for Cd 226.502 Recovery = 99.46%								
Cd 228.802†	2121.5	0.9727	mg/L	0.00691	0.9727	mg/L	0.00691	0.71%
QC value within limits for Cd 228.802 Recovery = 97.27%								
Ce 413.380†	1520.0	0.9763	mg/L	0.01590	0.9763	mg/L	0.01590	1.63%
QC value within limits for Ce 413.380 Recovery = 97.63%								
Ce 413.764†	1652.3	0.9895	mg/L	0.01818	0.9895	mg/L	0.01818	1.84%
QC value within limits for Ce 413.764 Recovery = 98.95%								
Ce 418.660†	3159.2	0.9965	mg/L	0.00614	0.9965	mg/L	0.00614	0.62%
QC value within limits for Ce 418.660 Recovery = 99.65%								
Co 228.616†	37565.7	0.9982	mg/L	0.00465	0.9982	mg/L	0.00465	0.47%
QC value within limits for Co 228.616 Recovery = 99.82%								
Co 230.786†	666.5	0.9508	mg/L	0.00699	0.9508	mg/L	0.00699	0.73%

QC value within limits for Co 230.786 Recovery = 95.08%

Co 238.892†	876.5	0.9490 mg/L	0.01001	0.9490 mg/L	0.01001	1.05%

QC value within limits for Co 238.892 Recovery = 94.90%

Cr 205.560†	144.9	0.9745 mg/L	0.01066	0.9745 mg/L	0.01066	1.09%

QC value within limits for Cr 205.560 Recovery = 97.45%

Cr 267.716†	28428.2	1.016 mg/L	0.0059	1.016 mg/L	0.0059	0.58%

QC value within limits for Cr 267.716 Recovery = 101.64%

Cr 283.563†	3492.9	1.025 mg/L	0.0097	1.025 mg/L	0.0097	0.94%

QC value within limits for Cr 283.563 Recovery = 102.46%

Cu 224.700†	402.1	0.9692 mg/L	0.00857	0.9692 mg/L	0.00857	0.88%

QC value within limits for Cu 224.700 Recovery = 96.92%

Cu 324.752†	7392.3	0.9707 mg/L	0.00510	0.9707 mg/L	0.00510	0.53%

QC value within limits for Cu 324.752 Recovery = 97.07%

Cu 327.393†	65839.8	0.9853 mg/L	0.00472	0.9853 mg/L	0.00472	0.48%

QC value within limits for Cu 327.393 Recovery = 98.53%

Fe 238.204†	2061.9	0.9425 mg/L	0.00832	0.9425 mg/L	0.00832	0.88%

QC value within limits for Fe 238.204 Recovery = 94.25%

Fe 239.562†	1573.4	0.9404 mg/L	0.00399	0.9404 mg/L	0.00399	0.42%

QC value within limits for Fe 239.562 Recovery = 94.04%

Fe 259.939†	4072.2	0.9588 mg/L	0.00526	0.9588 mg/L	0.00526	0.55%

QC value within limits for Fe 259.939 Recovery = 95.88%

Fe 273.955†	698.6	1.053 mg/L	0.0101	1.053 mg/L	0.0101	0.96%

QC value within limits for Fe 273.955 Recovery = 105.25%

K 766.490†	2819.9	6.182 mg/L	0.0490	6.182 mg/L	0.0490	0.79%

QC value greater than the upper limit for K 766.490 Recovery = 123.65%

Li 610.362†	7505.2	1.031 mg/L	0.0016	1.031 mg/L	0.0016	0.15%

QC value within limits for Li 610.362 Recovery = 103.08%

Li 670.784†	52583.8	0.9911 mg/L	0.00274	0.9911 mg/L	0.00274	0.28%

QC value within limits for Li 670.784 Recovery = 99.11%

Mg 279.077†	647.2	0.9797 mg/L	0.01447	0.9797 mg/L	0.01447	1.48%

QC value within limits for Mg 279.077 Recovery = 97.97%

Mg 280.271†	97267.9	0.9773 mg/L	0.00367	0.9773 mg/L	0.00367	0.38%

QC value within limits for Mg 280.271 Recovery = 97.73%

Mg 285.213†	3279.7	0.9662 mg/L	0.00893	0.9662 mg/L	0.00893	0.92%

QC value within limits for Mg 285.213 Recovery = 96.62%

Mn 257.610†	17124.6	1.008 mg/L	0.0031	1.008 mg/L	0.0031	0.31%

QC value within limits for Mn 257.610 Recovery = 100.84%

Mn 259.372†	26738.9	0.9979 mg/L	0.00472	0.9979 mg/L	0.00472	0.47%

QC value within limits for Mn 259.372 Recovery = 99.79%

Mn 260.568†	11030.3	0.9880 mg/L	0.00464	0.9880 mg/L	0.00464	0.47%

QC value within limits for Mn 260.568 Recovery = 98.80%

Mo 202.031†	136.8	0.8741 mg/L	0.01599	0.8741 mg/L	0.01599	1.83%

QC value less than the lower limit for Mo 202.031 Recovery = 87.41%

Mo 203.845†	85.2	0.8607 mg/L	0.01450	0.8607 mg/L	0.01450	1.68%

QC value less than the lower limit for Mo 203.845 Recovery = 86.07%

Mo 204.597†	6309.5	0.8772 mg/L	0.00684	0.8772 mg/L	0.00684	0.78%

QC value less than the lower limit for Mo 204.597 Recovery = 87.72%

Na 588.995†	4484.0	0.8966 mg/L	0.00814	0.8966 mg/L	0.00814	0.91%
Na 589.592†	4450.4	0.8471 mg/L	0.00859	0.8471 mg/L	0.00859	1.01%
Ni 221.648†	147.7	0.9131 mg/L	0.01092	0.9131 mg/L	0.01092	1.20%

QC value within limits for Ni 221.648 Recovery = 91.31%

Ni 231.604†	15137.0	1.019 mg/L	0.0057	1.019 mg/L	0.0057	0.56%

QC value within limits for Ni 231.604 Recovery = 101.92%

Ni 232.003†	308.1	0.9543 mg/L	0.01161	0.9543 mg/L	0.01161	1.22%

QC value within limits for Ni 232.003 Recovery = 95.43%

Pb 217.000†	95.2	1.874 mg/L	0.0177	1.874 mg/L	0.0177	0.94%

QC value within limits for Pb 217.000 Recovery = 93.69%

Pb 220.353†	5444.7	2.014 mg/L	0.0115	2.014 mg/L	0.0115	0.57%

QC value within limits for Pb 220.353 Recovery = 100.68%

Sb 206.836†	4074.7	1.859 mg/L	0.0311	1.859 mg/L	0.0311	1.67%

QC value within limits for Sb 206.836 Recovery = 92.93%

Sb 217.582†	60.3	1.791 mg/L	0.0151	1.791 mg/L	0.0151	0.84%

QC value less than the lower limit for Sb 217.582 Recovery = 89.54%

Se 196.026†	934.8	1.052 mg/L	0.0176	1.052 mg/L	0.0176	1.68%

QC value within limits for Se 196.026 Recovery = 105.21%

Se 203.985†	607.7	1.069 mg/L	0.0200	1.069 mg/L	0.0200	1.87%

QC value within limits for Se 203.985 Recovery = 106.90%

Sn 189.927†	6273.8	4.617 mg/L	0.0289	4.617 mg/L	0.0289	0.63%

QC value within limits for Sn 189.927 Recovery = 92.33%

Sn 235.485†	492.2	4.509 mg/L	0.0634	4.509 mg/L	0.0634	1.41%

QC value within limits for Sn 235.485 Recovery = 90.18%

Sr 407.771†	229991.2	1.027 mg/L	0.0018	1.027 mg/L	0.0018	0.18%
QC value within limits for Sr 407.771 Recovery = 102.68%						
Sr 421.552†	254505.5	1.019 mg/L	0.0033	1.019 mg/L	0.0033	0.33%
QC value within limits for Sr 421.552 Recovery = 101.94%						
Sr 460.733†	10973.4	1.014 mg/L	0.0054	1.014 mg/L	0.0054	0.53%
QC value within limits for Sr 460.733 Recovery = 101.35%						
Ti 334.940†	16720.6	0.8927 mg/L	0.00518	0.8927 mg/L	0.00518	0.58%
QC value less than the lower limit for Ti 334.940 Recovery = 89.27%						
Ti 336.121†	14239.0	0.8935 mg/L	0.00532	0.8935 mg/L	0.00532	0.60%
QC value less than the lower limit for Ti 336.121 Recovery = 89.35%						
Ti 337.279†	6411.5	0.8872 mg/L	0.00667	0.8872 mg/L	0.00667	0.75%
QC value less than the lower limit for Ti 337.279 Recovery = 88.72%						
Tl 190.801†	4548.0	4.783 mg/L	0.0751	4.783 mg/L	0.0751	1.57%
QC value within limits for Tl 190.801 Recovery = 95.67%						
Tl 276.787†	20833.9	4.601 mg/L	0.0328	4.601 mg/L	0.0328	0.71%
QC value within limits for Tl 276.787 Recovery = 92.02%						
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
QC value less than the lower limit for Tl 351.924 Recovery = 0.00%						
V 290.880†	2542.1	0.9717 mg/L	0.01307	0.9717 mg/L	0.01307	1.34%
QC value within limits for V 290.880 Recovery = 97.17%						
V 309.310†	5296.9	0.9907 mg/L	0.00479	0.9907 mg/L	0.00479	0.48%
QC value within limits for V 309.310 Recovery = 99.07%						
V 310.230†	174457.3	1.003 mg/L	0.0045	1.003 mg/L	0.0045	0.45%
QC value within limits for V 310.230 Recovery = 100.33%						
Zn 202.548†	887.3	0.9556 mg/L	0.01054	0.9556 mg/L	0.01054	1.10%
QC value within limits for Zn 202.548 Recovery = 95.56%						
Zn 206.200†	462.3	0.9612 mg/L	0.00343	0.9612 mg/L	0.00343	0.36%
QC value within limits for Zn 206.200 Recovery = 96.12%						
Zn 213.857†	2230.4	0.9591 mg/L	0.00326	0.9591 mg/L	0.00326	0.34%
QC value within limits for Zn 213.857 Recovery = 95.91%						

QC Failed. Continue with analysis.

Sequence No.: 28
Sample ID: LCM2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 1/3/02 12:19:56 PM
Sample Prep Volume:
Data Type: Original

Mean Data: LCM2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	294564.8						5830.50	1.98%
Y 360.073	3903256.7						47507.81	1.22%
Ag 328.068†	9306.5	0.06387	mg/L	0.001099	0.06387	mg/L	0.001099	1.72%
QC value greater than the upper limit for Ag 328.068 Recovery = 127.74%								
Ag 338.289†	5886.3	0.06468	mg/L	0.000716	0.06468	mg/L	0.000716	1.11%
QC value greater than the upper limit for Ag 338.289 Recovery = 129.36%								
Al 308.215†	10.7	0.01742	mg/L	0.006925	0.01742	mg/L	0.006925	39.75%
Al 394.401†	0.8	0.00110	mg/L	0.004303	0.00110	mg/L	0.004303	392.19%
Al 396.153†	15.5	0.00475	mg/L	0.003747	0.00475	mg/L	0.003747	78.88%
As 188.979†	0.0	0.00113	mg/L	0.094467	0.00113	mg/L	0.094467	>999.9%
As 193.696†	-2.0	-0.00266	mg/L	0.001861	-0.00266	mg/L	0.001861	69.99%
As 197.197†	-0.1	-0.00692	mg/L	0.060762	-0.00692	mg/L	0.060762	877.85%
B 208.889†	-0.6	-0.00454	mg/L	0.008746	-0.00454	mg/L	0.008746	192.73%
B 249.677†	8.2	0.00879	mg/L	0.002858	0.00879	mg/L	0.002858	32.50%
B 249.772†	26.7	0.01317	mg/L	0.000395	0.01317	mg/L	0.000395	3.00%
Ba 233.527†	0.8	0.00028	mg/L	0.000480	0.00028	mg/L	0.000480	173.75%
Ba 455.403†	32.1	0.00038	mg/L	0.000075	0.00038	mg/L	0.000075	19.81%
Ba 493.408†	94.0	0.00058	mg/L	0.000172	0.00058	mg/L	0.000172	29.73%
Be 234.861†	49.0	0.00012	mg/L	0.000027	0.00012	mg/L	0.000027	22.37%
Be 313.042†	6.9	0.00010	mg/L	0.000040	0.00010	mg/L	0.000040	38.69%
Be 313.107†	6.9	0.00010	mg/L	0.000040	0.00010	mg/L	0.000040	38.69%
Ca 315.887†	87.1	0.02922	mg/L	0.005581	0.02922	mg/L	0.005581	19.10%
Ca 317.933†	29.2	0.01244	mg/L	0.014533	0.01244	mg/L	0.014533	116.80%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	7.8	0.00020	mg/L	0.000064	0.00020	mg/L	0.000064	32.06%
Cd 228.802†	1.1	0.00051	mg/L	0.000477	0.00051	mg/L	0.000477	93.08%

Ce 413.380†	1.1	0.00070	mg/L	0.005076	0.00070	mg/L	0.005076	723.35%
Ce 413.764†	0.6	0.00038	mg/L	0.003213	0.00038	mg/L	0.003213	852.65%
Ce 418.660†	-7.7	-0.00244	mg/L	0.003513	-0.00244	mg/L	0.003513	143.71%
Co 228.616†	8.2	0.00022	mg/L	0.000312	0.00022	mg/L	0.000312	142.93%
Co 230.786†	0.5	0.00076	mg/L	0.001318	0.00076	mg/L	0.001318	173.40%
Co 238.892†	-0.2	-0.00023	mg/L	0.001075	-0.00023	mg/L	0.001075	459.11%
Cr 205.560†	-0.6	-0.00413	mg/L	0.002226	-0.00413	mg/L	0.002226	53.88%
Cr 267.716†	4.2	0.00015	mg/L	0.000168	0.00015	mg/L	0.000168	112.30%
Cr 283.563†	0.7	0.00020	mg/L	0.000656	0.00020	mg/L	0.000656	335.59%
Cu 224.700†	1.0	0.00242	mg/L	0.002804	0.00242	mg/L	0.002804	116.06%
Cu 324.752†	-0.3	-0.00004	mg/L	0.000449	-0.00004	mg/L	0.000449	>999.9%
Cu 327.393†	32.7	0.00049	mg/L	0.000369	0.00049	mg/L	0.000369	75.46%
Fe 238.204†	1.9	0.00087	mg/L	0.000800	0.00087	mg/L	0.000800	92.05%
Fe 239.562†	2.0	0.00120	mg/L	0.000940	0.00120	mg/L	0.000940	78.14%
Fe 259.939†	4.8	0.00113	mg/L	0.000497	0.00113	mg/L	0.000497	43.91%
Fe 273.955†	1.7	0.00259	mg/L	0.001492	0.00259	mg/L	0.001492	57.66%
K 766.490†	-235.7	-0.5168	mg/L	0.01682	-0.5168	mg/L	0.01682	3.25%
Li 610.362†	64.6	0.00887	mg/L	0.012662	0.00887	mg/L	0.012662	142.81%
Li 670.784†	-203.3	-0.00383	mg/L	0.001585	-0.00383	mg/L	0.001585	41.38%
Mg 279.077†	-6.8	-0.01033	mg/L	0.009959	-0.01033	mg/L	0.009959	96.41%
Mg 280.271†	253.5	0.00255	mg/L	0.002004	0.00255	mg/L	0.002004	78.68%
Mg 285.213†	9.9	0.00292	mg/L	0.002320	0.00292	mg/L	0.002320	79.41%
Mn 257.610†	1.0	0.00006	mg/L	0.000164	0.00006	mg/L	0.000164	291.36%
Mn 259.372†	2.7	0.00009	mg/L	0.000272	0.00009	mg/L	0.000272	294.25%
Mn 260.568†	0.5	0.00004	mg/L	0.000201	0.00004	mg/L	0.000201	470.30%
Mo 202.031†	0.2	0.00128	mg/L	0.003910	0.00128	mg/L	0.003910	304.53%
Mo 203.845†	-0.6	-0.00596	mg/L	0.011998	-0.00596	mg/L	0.011998	201.18%
Mo 204.597†	2.2	0.00031	mg/L	0.000407	0.00031	mg/L	0.000407	130.24%
Na 588.995†	-621.3	-0.1242	mg/L	0.01881	-0.1242	mg/L	0.01881	15.14%
Na 589.592†	-758.5	-0.1444	mg/L	0.00401	-0.1444	mg/L	0.00401	2.78%
Ni 221.648†	-0.3	-0.00196	mg/L	0.003676	-0.00196	mg/L	0.003676	187.82%
Ni 231.604†	6.5	0.00043	mg/L	0.000045	0.00043	mg/L	0.000045	10.27%
Ni 232.003†	0.4	0.00110	mg/L	0.007667	0.00110	mg/L	0.007667	698.33%
Pb 217.000†	0.4	0.00732	mg/L	0.003930	0.00732	mg/L	0.003930	53.68%
Pb 220.353†	4.4	0.00162	mg/L	0.000721	0.00162	mg/L	0.000721	44.43%
Sb 206.836†	4.3	0.00195	mg/L	0.001716	0.00195	mg/L	0.001716	87.85%
Sb 217.582†	-0.5	-0.01515	mg/L	0.020504	-0.01515	mg/L	0.020504	135.32%
Se 196.026†	0.1	0.00010	mg/L	0.004882	0.00010	mg/L	0.004882	>999.9%
Se 203.985†	3.1	0.00540	mg/L	0.001488	0.00540	mg/L	0.001488	27.58%
Sn 189.927†	13.8	0.01014	mg/L	0.001116	0.01014	mg/L	0.001116	11.01%
Sn 235.485†	3.2	0.02888	mg/L	0.012978	0.02888	mg/L	0.012978	44.93%
Sr 407.771†	41.0	0.00018	mg/L	0.000096	0.00018	mg/L	0.000096	52.23%
Sr 421.552†	77.8	0.00031	mg/L	0.000186	0.00031	mg/L	0.000186	59.58%
Sr 460.733†	-51.2	-0.00473	mg/L	0.010803	-0.00473	mg/L	0.010803	228.41%
Ti 334.940†	14.3	0.00076	mg/L	0.000189	0.00076	mg/L	0.000189	24.70%
Ti 336.121†	16.7	0.00105	mg/L	0.000582	0.00105	mg/L	0.000582	55.41%
Ti 337.279†	5.6	0.00077	mg/L	0.000781	0.00077	mg/L	0.000781	101.59%
Tl 190.801†	2.6	0.00277	mg/L	0.000973	0.00277	mg/L	0.000973	35.18%
Tl 276.787†	9.5	0.00210	mg/L	0.003299	0.00210	mg/L	0.003299	157.17%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
V 290.880†	-3.1	-0.00118	mg/L	0.000970	-0.00118	mg/L	0.000970	82.55%
V 309.310†	-1.6	-0.00031	mg/L	0.000567	-0.00031	mg/L	0.000567	184.60%
V 310.230†	-728.8	-0.00419	mg/L	0.000311	-0.00419	mg/L	0.000311	7.42%
Zn 202.548†	3.1	0.00332	mg/L	0.001977	0.00332	mg/L	0.001977	59.61%
Zn 206.200†	1.9	0.00389	mg/L	0.001117	0.00389	mg/L	0.001117	28.69%
Zn 213.857†	5.2	0.00225	mg/L	0.002168	0.00225	mg/L	0.002168	96.51%

QC Failed. Continue with analysis.

Sequence No.: 29
Sample ID: Hi AQC
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 1/3/02 12:24:24 PM

Sample Prep Volume:
Data Type: Original

Mean Data: Hi AQC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	292760.7						1844.75	0.63%

Y 360.073	3828775.4				61846.29	1.62%
Ag 328.068†	-102.5	-0.00070 mg/L	0.000264	-0.00070 mg/L	0.000264	37.55%
Ag 338.289†	141.1	0.00155 mg/L	0.000281	0.00155 mg/L	0.000281	18.11%
Al 308.215†	57139.7	93.09 mg/L	0.226	93.09 mg/L	0.226	0.24%
QC value within limits for Al 308.215 Recovery = 93.09%						
Al 394.401†	76680.4	99.11 mg/L	0.194	99.11 mg/L	0.194	0.20%
Al 396.153†	318860.9	98.50 mg/L	0.277	98.50 mg/L	0.277	0.28%
As 188.979†	-0.6	-0.03045 mg/L	0.048755	-0.03045 mg/L	0.048755	160.11%
As 193.696†	8.0	0.01056 mg/L	0.007353	0.01056 mg/L	0.007353	69.60%
As 197.197†	0.6	0.04404 mg/L	0.092627	0.04404 mg/L	0.092627	210.34%
B 208.889†	1.8	0.01403 mg/L	0.015090	0.01403 mg/L	0.015090	107.55%
B 249.677†	4.7	0.00499 mg/L	0.010150	0.00499 mg/L	0.010150	203.26%
B 249.772†	306.5	0.1513 mg/L	0.00190	0.1513 mg/L	0.00190	1.25%
Ba 233.527†	2.4	0.00085 mg/L	0.000344	0.00085 mg/L	0.000344	40.32%
Ba 455.403†	12.9	0.00015 mg/L	0.000035	0.00015 mg/L	0.000035	22.79%
Ba 493.408†	110.9	0.00068 mg/L	0.000116	0.00068 mg/L	0.000116	16.98%
Be 234.861†	-104466.0	-0.2620 mg/L	0.00404	-0.2620 mg/L	0.00404	1.54%
Be 313.042†	16.4	0.00025 mg/L	0.000010	0.00025 mg/L	0.000010	4.22%
Be 313.107†	16.4	0.00025 mg/L	0.000010	0.00025 mg/L	0.000010	4.22%
Ca 315.887†	294209.5	98.75 mg/L	0.417	98.75 mg/L	0.417	0.42%
QC value within limits for Ca 315.887 Recovery = 98.75%						
Ca 317.933†	224850.6	95.87 mg/L	0.389	95.87 mg/L	0.389	0.41%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	73.8	0.00191 mg/L	0.000067	0.00191 mg/L	0.000067	3.48%
Cd 228.802†	0.2	0.00009 mg/L	0.000489	0.00009 mg/L	0.000489	539.69%
Ce 413.380†	44.2	0.02840 mg/L	0.017378	0.02840 mg/L	0.017378	61.20%
Ce 413.764†	5.4	0.00321 mg/L	0.003171	0.00321 mg/L	0.003171	98.71%
Ce 418.660†	-16.3	-0.00514 mg/L	0.013638	-0.00514 mg/L	0.013638	265.51%
Co 228.616†	-63.1	-0.00168 mg/L	0.000273	-0.00168 mg/L	0.000273	16.30%
Co 230.786†	-0.3	-0.00044 mg/L	0.000959	-0.00044 mg/L	0.000959	216.02%
Co 238.892†	33.6	0.03633 mg/L	0.006287	0.03633 mg/L	0.006287	17.30%
Cr 205.560†	-2.0	-0.01315 mg/L	0.000637	-0.01315 mg/L	0.000637	4.84%
Cr 267.716†	-19.7	-0.00070 mg/L	0.000168	-0.00070 mg/L	0.000168	23.80%
Cr 283.563†	34.4	0.01008 mg/L	0.000449	0.01008 mg/L	0.000449	4.45%
Cu 224.700†	2.6	0.00623 mg/L	0.003050	0.00623 mg/L	0.003050	48.93%
Cu 324.752†	-9.1	-0.00119 mg/L	0.000490	-0.00119 mg/L	0.000490	41.19%
Cu 327.393†	-27.4	-0.00041 mg/L	0.000394	-0.00041 mg/L	0.000394	95.96%
Fe 238.204†	194605.7	88.95 mg/L	0.374	88.95 mg/L	0.374	0.42%
Fe 239.562†	149263.2	89.21 mg/L	0.358	89.21 mg/L	0.358	0.40%
Fe 259.939†	384007.2	90.41 mg/L	0.284	90.41 mg/L	0.284	0.31%
Fe 273.955†	66252.7	99.82 mg/L	0.339	99.82 mg/L	0.339	0.34%
QC value within limits for Fe 273.955 Recovery = 99.82%						
K 766.490†	61201.3	134.2 mg/L	0.29	134.2 mg/L	0.29	0.22%
QC value greater than the upper limit for K 766.490 Recovery = 134.18%						
Li 610.362†	-107.7	-0.01479 mg/L	0.017409	-0.01479 mg/L	0.017409	117.73%
Li 670.784†	-181.5	-0.00342 mg/L	0.000639	-0.00342 mg/L	0.000639	18.68%
Mg 279.077†	37019.3	56.03 mg/L	0.292	56.03 mg/L	0.292	0.52%
QC value within limits for Mg 279.077 Recovery = 93.39%						
Mg 280.271†	5345427.7	53.71 mg/L	0.204	53.71 mg/L	0.204	0.38%
Mg 285.213†	178089.8	52.47 mg/L	0.199	52.47 mg/L	0.199	0.38%
Mn 257.610†	47.3	0.00278 mg/L	0.000458	0.00278 mg/L	0.000458	16.44%
Mn 259.372†	2918.0	0.00689 mg/L	0.000679	0.00689 mg/L	0.000679	9.85%
Mn 260.568†	9.4	0.00084 mg/L	0.000061	0.00084 mg/L	0.000061	7.31%
Mo 202.031†	-5.8	-0.03733 mg/L	0.010402	-0.03733 mg/L	0.010402	27.87%
Mo 203.845†	1.8	0.01812 mg/L	0.032886	0.01812 mg/L	0.032886	181.47%
Mo 204.597†	13.3	0.00185 mg/L	0.000763	0.00185 mg/L	0.000763	41.22%
Na 588.995†	476512.9	95.29 mg/L	0.350	95.29 mg/L	0.350	0.37%
Na 589.592†	506626.7	96.43 mg/L	0.250	96.43 mg/L	0.250	0.26%
QC value within limits for Na 589.592 Recovery = 96.43%						
Ni 221.648†	0.1	0.00058 mg/L	0.004962	0.00058 mg/L	0.004962	857.18%
Ni 231.604†	26.5	0.00178 mg/L	0.000203	0.00178 mg/L	0.000203	11.39%
Ni 232.003†	1.5	0.00458 mg/L	0.001972	0.00458 mg/L	0.001972	43.03%
Pb 217.000†	-0.2	-0.00430 mg/L	0.034272	-0.00430 mg/L	0.034272	797.02%
Pb 220.353†	-0.4	-0.00016 mg/L	0.000875	-0.00016 mg/L	0.000875	551.23%
Sb 206.836†	9.1	0.00415 mg/L	0.002378	0.00415 mg/L	0.002378	57.32%
Sb 217.582†	0.9	0.02617 mg/L	0.058682	0.02617 mg/L	0.058682	224.27%
Se 196.026†	-2.7	-0.00299 mg/L	0.003967	-0.00299 mg/L	0.003967	132.59%
Se 203.985†	13.1	0.02296 mg/L	0.002981	0.02296 mg/L	0.002981	12.98%
Sn 189.927†	0.9	0.00067 mg/L	0.000705	0.00067 mg/L	0.000705	104.78%
Sn 235.485†	469.9	4.305 mg/L	0.2564	4.305 mg/L	0.2564	5.96%

Sr 407.771†	650.5	0.00290 mg/L	0.000059	0.00290 mg/L	0.000059	2.04%
Sr 421.552†	851.4	0.00341 mg/L	0.000101	0.00341 mg/L	0.000101	2.95%
Sr 460.733†	-26.8	-0.00248 mg/L	0.005506	-0.00248 mg/L	0.005506	222.13%
Ti 334.940†	24.5	0.00131 mg/L	0.000142	0.00131 mg/L	0.000142	10.85%
Ti 336.121†	23.1	0.00145 mg/L	0.000152	0.00145 mg/L	0.000152	10.51%
Ti 337.279†	18.5	0.00256 mg/L	0.000372	0.00256 mg/L	0.000372	14.53%
Tl 190.801†	3.7	0.00394 mg/L	0.002620	0.00394 mg/L	0.002620	66.57%
Tl 276.787†	5483.5	1.211 mg/L	0.0230	1.211 mg/L	0.0230	1.90%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	62.7	0.02397 mg/L	0.001199	0.02397 mg/L	0.001199	5.00%
V 309.310†	-177.5	-0.03320 mg/L	0.010140	-0.03320 mg/L	0.010140	30.55%
V 310.230†	-416.1	-0.00239 mg/L	0.000367	-0.00239 mg/L	0.000367	15.32%
Zn 202.548†	10.9	0.00817 mg/L	0.002423	0.00817 mg/L	0.002423	29.66%
Zn 206.200†	-1.5	-0.00306 mg/L	0.001497	-0.00306 mg/L	0.001497	48.86%
Zn 213.857†	54.9	0.01496 mg/L	0.000541	0.01496 mg/L	0.000541	3.62%

QC Failed. Continue with analysis.

Sequence No.: 30
Sample ID: wash
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 1/3/02 12:29:11 PM

Sample Prep Volume:
Data Type: Original

Mean Data: wash

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	298814.1						4537.92	1.52%
Y 360.073	3957636.1						11704.80	0.30%
Ag 328.068†	-50.9	-0.00035	mg/L	0.000387	-0.00035	mg/L	0.000387	110.73%
Ag 338.289†	64.1	0.00070	mg/L	0.000518	0.00070	mg/L	0.000518	73.60%
Al 308.215†	7.7	0.01253	mg/L	0.002045	0.01253	mg/L	0.002045	16.31%
Al 394.401†	2.3	0.00292	mg/L	0.005889	0.00292	mg/L	0.005889	201.94%
Al 396.153†	2.7	0.00090	mg/L	0.002348	0.00090	mg/L	0.002348	261.95%
As 188.979†	-0.5	-0.02432	mg/L	0.059220	-0.02432	mg/L	0.059220	243.55%
As 193.696†	-1.8	-0.00245	mg/L	0.002428	-0.00245	mg/L	0.002428	99.19%
As 197.197†	-0.6	-0.04865	mg/L	0.022382	-0.04865	mg/L	0.022382	46.01%
B 208.889†	-1.7	-0.01291	mg/L	0.015453	-0.01291	mg/L	0.015453	119.75%
B 249.677†	-3.0	-0.00326	mg/L	0.002000	-0.00326	mg/L	0.002000	61.37%
B 249.772†	-3.1	-0.00154	mg/L	0.002230	-0.00154	mg/L	0.002230	144.95%
Ba 233.527†	-1.3	-0.00046	mg/L	0.000251	-0.00046	mg/L	0.000251	55.12%
Ba 455.403†	-10.0	-0.00012	mg/L	0.000058	-0.00012	mg/L	0.000058	49.53%
Ba 493.408†	-11.3	-0.00007	mg/L	0.000247	-0.00007	mg/L	0.000247	355.94%
Be 234.861†	27.0	0.00007	mg/L	0.000033	0.00007	mg/L	0.000033	49.29%
Be 313.042†	-7.9	-0.00012	mg/L	0.000019	-0.00012	mg/L	0.000019	16.41%
Be 313.107†	-7.9	-0.00012	mg/L	0.000019	-0.00012	mg/L	0.000019	16.41%
Ca 315.887†	22.9	0.00769	mg/L	0.002610	0.00769	mg/L	0.002610	33.96%
Ca 317.933†	-23.7	-0.01011	mg/L	0.005151	-0.01011	mg/L	0.005151	50.97%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	-1.5	-0.00004	mg/L	0.000033	-0.00004	mg/L	0.000033	86.83%
Cd 228.802†	0.5	0.00021	mg/L	0.000248	0.00021	mg/L	0.000248	115.71%
Ce 413.380†	7.0	0.00451	mg/L	0.004324	0.00451	mg/L	0.004324	95.81%
Ce 413.764†	6.0	0.00361	mg/L	0.005694	0.00361	mg/L	0.005694	157.93%
Ce 418.660†	9.6	0.00304	mg/L	0.006589	0.00304	mg/L	0.006589	216.56%
Co 228.616†	0.7	0.00002	mg/L	0.000330	0.00002	mg/L	0.000330	>999.9%
Co 230.786†	0.5	0.00074	mg/L	0.001395	0.00074	mg/L	0.001395	189.31%
Co 238.892†	-1.4	-0.00148	mg/L	0.000263	-0.00148	mg/L	0.000263	17.75%
Cr 205.560†	0.2	0.00140	mg/L	0.008276	0.00140	mg/L	0.008276	590.17%
Cr 267.716†	-4.0	-0.00014	mg/L	0.000114	-0.00014	mg/L	0.000114	78.64%
Cr 283.563†	-1.7	-0.00050	mg/L	0.000693	-0.00050	mg/L	0.000693	139.75%
Cu 224.700†	-0.9	-0.00228	mg/L	0.002707	-0.00228	mg/L	0.002707	118.81%
Cu 324.752†	-15.1	-0.00198	mg/L	0.000278	-0.00198	mg/L	0.000278	14.05%
Cu 327.393†	-81.5	-0.00122	mg/L	0.000295	-0.00122	mg/L	0.000295	24.24%
Fe 238.204†	10.1	0.00460	mg/L	0.001276	0.00460	mg/L	0.001276	27.72%
Fe 239.562†	7.4	0.00443	mg/L	0.000582	0.00443	mg/L	0.000582	13.14%
Fe 259.939†	20.2	0.00475	mg/L	0.000837	0.00475	mg/L	0.000837	17.63%
Fe 273.955†	4.0	0.00602	mg/L	0.002024	0.00602	mg/L	0.002024	33.63%
K 766.490†	-198.9	-0.4360	mg/L	0.04130	-0.4360	mg/L	0.04130	9.47%
Li 610.362†	79.9	0.01098	mg/L	0.004103	0.01098	mg/L	0.004103	37.38%

Li 670.784†	-350.7	-0.00661	mg/L	0.001139	-0.00661	mg/L	0.001139	17.23%
Mg 279.077†	-0.7	-0.00108	mg/L	0.014054	-0.00108	mg/L	0.014054	>999.9%
Mg 280.271†	444.9	0.00447	mg/L	0.000401	0.00447	mg/L	0.000401	8.96%
Mg 285.213†	16.0	0.00472	mg/L	0.000245	0.00472	mg/L	0.000245	5.18%
Mn 257.610†	-4.1	-0.00024	mg/L	0.000109	-0.00024	mg/L	0.000109	45.19%
Mn 259.372†	-7.3	-0.00028	mg/L	0.000342	-0.00028	mg/L	0.000342	120.34%
Mn 260.568†	-1.9	-0.00017	mg/L	0.000097	-0.00017	mg/L	0.000097	57.55%
Mo 202.031†	0.1	0.00069	mg/L	0.001754	0.00069	mg/L	0.001754	252.95%
Mo 203.845†	-0.8	-0.00758	mg/L	0.008932	-0.00758	mg/L	0.008932	117.78%
Mo 204.597†	0.2	0.00003	mg/L	0.000106	0.00003	mg/L	0.000106	319.36%
Na 588.995†	-468.6	-0.09369	mg/L	0.009509	-0.09369	mg/L	0.009509	10.15%
Na 589.592†	-657.9	-0.1252	mg/L	0.00343	-0.1252	mg/L	0.00343	2.74%
Ni 221.648†	-0.2	-0.00147	mg/L	0.002882	-0.00147	mg/L	0.002882	195.57%
Ni 231.604†	0.1	0.00001	mg/L	0.000206	0.00001	mg/L	0.000206	>999.9%
Ni 232.003†	-1.1	-0.00342	mg/L	0.002651	-0.00342	mg/L	0.002651	77.60%
Pb 217.000†	0.6	0.01154	mg/L	0.016794	0.01154	mg/L	0.016794	145.48%
Pb 220.353†	-3.1	-0.00114	mg/L	0.000144	-0.00114	mg/L	0.000144	12.60%
Sb 206.836†	0.3	0.00015	mg/L	0.000358	0.00015	mg/L	0.000358	239.58%
Sb 217.582†	-0.8	-0.02299	mg/L	0.023416	-0.02299	mg/L	0.023416	101.85%
Se 196.026†	-0.3	-0.00037	mg/L	0.000817	-0.00037	mg/L	0.000817	223.20%
Se 203.985†	2.4	0.00414	mg/L	0.004330	0.00414	mg/L	0.004330	104.51%
Sn 189.927†	-2.5	-0.00183	mg/L	0.001341	-0.00183	mg/L	0.001341	73.10%
Sn 235.485†	1.1	0.01001	mg/L	0.016213	0.01001	mg/L	0.016213	162.02%
Sr 407.771†	-28.8	-0.00013	mg/L	0.000051	-0.00013	mg/L	0.000051	39.70%
Sr 421.552†	-19.1	-0.00008	mg/L	0.000041	-0.00008	mg/L	0.000041	54.15%
Sr 460.733†	-116.2	-0.01073	mg/L	0.004409	-0.01073	mg/L	0.004409	41.09%
Ti 334.940†	0.1	0.00000	mg/L	0.000110	0.00000	mg/L	0.000110	>999.9%
Ti 336.121†	5.7	0.00036	mg/L	0.000383	0.00036	mg/L	0.000383	107.41%
Ti 337.279†	2.6	0.00036	mg/L	0.000430	0.00036	mg/L	0.000430	117.78%
Tl 190.801†	-0.1	-0.00008	mg/L	0.000954	-0.00008	mg/L	0.000954	>999.9%
Tl 276.787†	8.0	0.00177	mg/L	0.003162	0.00177	mg/L	0.003162	178.37%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
V 290.880†	0.5	0.00017	mg/L	0.000887	0.00017	mg/L	0.000887	513.72%
V 309.310†	-3.3	-0.00062	mg/L	0.000534	-0.00062	mg/L	0.000534	85.94%
V 310.230†	-1063.9	-0.00612	mg/L	0.000318	-0.00612	mg/L	0.000318	5.20%
Zn 202.548†	-5.1	-0.00548	mg/L	0.002418	-0.00548	mg/L	0.002418	44.11%
Zn 206.200†	-0.5	-0.00107	mg/L	0.000990	-0.00107	mg/L	0.000990	92.29%
Zn 213.857†	-7.1	-0.00309	mg/L	0.000747	-0.00309	mg/L	0.000747	24.19%

Sequence No.: 31
Sample ID: LRB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 1/3/02 12:33:44 PM

Sample Prep Volume:
Data Type: Original

Mean Data: LRB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	290271.6						4718.77	1.63%
Y 360.073	3901127.2						50851.76	1.30%
Ag 328.068†	-24.5	-0.00017	mg/L	0.000134	-0.00017	mg/L	0.000134	79.58%
Ag 338.289†	32.9	0.00036	mg/L	0.000594	0.00036	mg/L	0.000594	164.53%
Al 308.215†	14.3	0.02327	mg/L	0.005513	0.02327	mg/L	0.005513	23.69%
Al 394.401†	11.6	0.01506	mg/L	0.003109	0.01506	mg/L	0.003109	20.65%
Al 396.153†	55.4	0.01708	mg/L	0.002964	0.01708	mg/L	0.002964	17.35%
As 188.979†	0.1	0.00437	mg/L	0.015082	0.00437	mg/L	0.015082	344.74%
As 193.696†	-3.5	-0.00459	mg/L	0.001040	-0.00459	mg/L	0.001040	22.65%
As 197.197†	-0.5	-0.03794	mg/L	0.043827	-0.03794	mg/L	0.043827	115.51%
B 208.889†	-1.2	-0.00889	mg/L	0.017872	-0.00889	mg/L	0.017872	201.01%
B 249.677†	-2.6	-0.00279	mg/L	0.000783	-0.00279	mg/L	0.000783	28.03%
B 249.772†	1.4	0.00070	mg/L	0.002293	0.00070	mg/L	0.002293	326.46%
Ba 233.527†	-0.3	-0.00009	mg/L	0.000278	-0.00009	mg/L	0.000278	301.41%
Ba 455.403†	27.2	0.00032	mg/L	0.000018	0.00032	mg/L	0.000018	5.45%
Ba 493.408†	35.4	0.00022	mg/L	0.000692	0.00022	mg/L	0.000692	316.99%
Be 234.861†	5.7	0.00001	mg/L	0.000033	0.00001	mg/L	0.000033	229.78%
Be 313.042†	-6.1	-0.00009	mg/L	0.000015	-0.00009	mg/L	0.000015	16.33%
Be 313.107†	-6.1	-0.00009	mg/L	0.000015	-0.00009	mg/L	0.000015	16.33%
Ca 315.887†	274.6	0.09215	mg/L	0.002933	0.09215	mg/L	0.002933	3.18%

Ca 317.933†	170.6	0.07273 mg/L	0.006025	0.07273 mg/L	0.006025	8.28%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	-5.4	-0.00014 mg/L	0.000024	-0.00014 mg/L	0.000024	16.93%
Cd 228.802†	1.2	0.00055 mg/L	0.000428	0.00055 mg/L	0.000428	78.44%
Ce 413.380†	11.3	0.00727 mg/L	0.006057	0.00727 mg/L	0.006057	83.31%
Ce 413.764†	7.7	0.00463 mg/L	0.005464	0.00463 mg/L	0.005464	118.12%
Ce 418.660†	-4.5	-0.00142 mg/L	0.005474	-0.00142 mg/L	0.005474	384.19%
Co 228.616†	19.9	0.00053 mg/L	0.000269	0.00053 mg/L	0.000269	50.85%
Co 230.786†	-0.9	-0.00123 mg/L	0.001670	-0.00123 mg/L	0.001670	136.16%
Co 238.892†	-0.6	-0.00067 mg/L	0.000541	-0.00067 mg/L	0.000541	81.02%
Cr 205.560†	-0.2	-0.00120 mg/L	0.004101	-0.00120 mg/L	0.004101	341.10%
Cr 267.716†	10.9	0.00039 mg/L	0.000020	0.00039 mg/L	0.000020	5.24%
Cr 283.563†	3.4	0.00098 mg/L	0.000503	0.00098 mg/L	0.000503	51.14%
Cu 224.700†	1.3	0.00307 mg/L	0.000719	0.00307 mg/L	0.000719	23.44%
Cu 324.752†	10.9	0.00143 mg/L	0.000789	0.00143 mg/L	0.000789	55.15%
Cu 327.393†	92.6	0.00139 mg/L	0.000211	0.00139 mg/L	0.000211	15.21%
Fe 238.204†	47.0	0.02147 mg/L	0.000666	0.02147 mg/L	0.000666	3.10%
Fe 239.562†	35.4	0.02118 mg/L	0.000579	0.02118 mg/L	0.000579	2.73%
Fe 259.939†	90.9	0.02141 mg/L	0.001170	0.02141 mg/L	0.001170	5.46%
Fe 273.955†	14.9	0.02248 mg/L	0.001151	0.02248 mg/L	0.001151	5.12%
K 766.490†	-218.9	-0.4800 mg/L	0.04284	-0.4800 mg/L	0.04284	8.93%
Li 610.362†	54.5	0.00748 mg/L	0.004931	0.00748 mg/L	0.004931	65.92%
Li 670.784†	-354.5	-0.00668 mg/L	0.000573	-0.00668 mg/L	0.000573	8.58%
Mg 279.077†	17.4	0.02639 mg/L	0.011730	0.02639 mg/L	0.011730	44.45%
Mg 280.271†	2819.3	0.02833 mg/L	0.000517	0.02833 mg/L	0.000517	1.82%
Mg 285.213†	96.6	0.02846 mg/L	0.000486	0.02846 mg/L	0.000486	1.71%
Mn 257.610†	20.1	0.00118 mg/L	0.000067	0.00118 mg/L	0.000067	5.71%
Mn 259.372†	28.8	0.00103 mg/L	0.000128	0.00103 mg/L	0.000128	12.34%
Mn 260.568†	10.3	0.00092 mg/L	0.000215	0.00092 mg/L	0.000215	23.38%
Mo 202.031†	0.8	0.00479 mg/L	0.008702	0.00479 mg/L	0.008702	181.49%
Mo 203.845†	-0.1	-0.00124 mg/L	0.023375	-0.00124 mg/L	0.023375	>999.9%
Mo 204.597†	-3.4	-0.00047 mg/L	0.000361	-0.00047 mg/L	0.000361	76.66%
Na 588.995†	-382.2	-0.07642 mg/L	0.012301	-0.07642 mg/L	0.012301	16.10%
Na 589.592†	-505.0	-0.09612 mg/L	0.012025	-0.09612 mg/L	0.012025	12.51%
Ni 221.648†	0.8	0.00468 mg/L	0.005091	0.00468 mg/L	0.005091	108.68%
Ni 231.604†	4.8	0.00032 mg/L	0.000204	0.00032 mg/L	0.000204	62.86%
Ni 232.003†	0.2	0.00060 mg/L	0.001273	0.00060 mg/L	0.001273	211.75%
Pb 217.000†	0.0	0.00058 mg/L	0.016799	0.00058 mg/L	0.016799	>999.9%
Pb 220.353†	-2.1	-0.00077 mg/L	0.000732	-0.00077 mg/L	0.000732	95.04%
Sb 206.836†	0.1	0.00004 mg/L	0.000873	0.00004 mg/L	0.000873	>999.9%
Sb 217.582†	-0.6	-0.01905 mg/L	0.020156	-0.01905 mg/L	0.020156	105.83%
Se 196.026†	1.6	0.00177 mg/L	0.004050	0.00177 mg/L	0.004050	228.51%
Se 203.985†	-1.6	-0.00274 mg/L	0.005467	-0.00274 mg/L	0.005467	199.76%
Sn 189.927†	-1.8	-0.00134 mg/L	0.000607	-0.00134 mg/L	0.000607	45.17%
Sn 235.485†	2.0	0.01802 mg/L	0.029488	0.01802 mg/L	0.029488	163.64%
Sr 407.771†	2.6	0.00001 mg/L	0.000008	0.00001 mg/L	0.000008	69.69%
Sr 421.552†	32.8	0.00013 mg/L	0.000067	0.00013 mg/L	0.000067	51.13%
Sr 460.733†	-37.6	-0.00347 mg/L	0.011900	-0.00347 mg/L	0.011900	342.46%
Ti 334.940†	4.2	0.00022 mg/L	0.000084	0.00022 mg/L	0.000084	37.41%
Ti 336.121†	14.1	0.00088 mg/L	0.000395	0.00088 mg/L	0.000395	44.77%
Ti 337.279†	10.2	0.00141 mg/L	0.000372	0.00141 mg/L	0.000372	26.37%
Tl 190.801†	-1.0	-0.00101 mg/L	0.002216	-0.00101 mg/L	0.002216	218.89%
Tl 276.787†	6.3	0.00140 mg/L	0.001842	0.00140 mg/L	0.001842	131.70%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-0.6	-0.00022 mg/L	0.000828	-0.00022 mg/L	0.000828	384.13%
V 309.310†	-1.1	-0.00021 mg/L	0.000284	-0.00021 mg/L	0.000284	137.87%
V 310.230†	-925.9	-0.00532 mg/L	0.000333	-0.00532 mg/L	0.000333	6.25%
Zn 202.548†	20.3	0.02205 mg/L	0.001607	0.02205 mg/L	0.001607	7.29%
Zn 206.200†	10.1	0.02090 mg/L	0.001157	0.02090 mg/L	0.001157	5.54%
Zn 213.857†	52.6	0.02273 mg/L	0.000796	0.02273 mg/L	0.000796	3.50%

Sequence No.: 32
Sample ID: LFB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 1/3/02 12:38:07 PM

Sample Prep Volume:
Data Type: Original

Mean Data: LFB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	294341.8						4797.89	1.63%
Y 360.073	3847950.9						24309.95	0.63%
Ag 328.068†	4719.6	0.03239	mg/L	0.000728	0.03239	mg/L	0.000728	2.25%
Ag 338.289†	2941.2	0.03232	mg/L	0.000779	0.03232	mg/L	0.000779	2.41%
Al 308.215†	590.6	0.9621	mg/L	0.01421	0.9621	mg/L	0.01421	1.48%
Al 394.401†	779.5	1.007	mg/L	0.0186	1.007	mg/L	0.0186	1.84%
Al 396.153†	3415.3	1.065	mg/L	0.0204	1.065	mg/L	0.0204	1.92%
As 188.979†	2.8	0.1407	mg/L	0.03033	0.1407	mg/L	0.03033	21.55%
As 193.696†	157.4	0.2086	mg/L	0.00326	0.2086	mg/L	0.00326	1.56%
As 197.197†	1.9	0.1524	mg/L	0.02839	0.1524	mg/L	0.02839	18.63%
B 208.889†	119.7	0.9159	mg/L	0.00989	0.9159	mg/L	0.00989	1.08%
B 249.677†	818.9	0.8755	mg/L	0.01383	0.8755	mg/L	0.01383	1.58%
B 249.772†	1798.0	0.8875	mg/L	0.00742	0.8875	mg/L	0.00742	0.84%
Ba 233.527†	535.9	0.1889	mg/L	0.00348	0.1889	mg/L	0.00348	1.84%
Ba 455.403†	16982.4	0.2014	mg/L	0.00351	0.2014	mg/L	0.00351	1.74%
Ba 493.408†	31450.6	0.1936	mg/L	0.00363	0.1936	mg/L	0.00363	1.87%
Be 234.861†	2980.7	0.00748	mg/L	0.000118	0.00748	mg/L	0.000118	1.58%
Be 313.042†	621.4	0.00931	mg/L	0.000111	0.00931	mg/L	0.000111	1.19%
Be 313.107†	621.4	0.00931	mg/L	0.000111	0.00931	mg/L	0.000111	1.19%
Ca 315.887†	150380.9	50.47	mg/L	0.513	50.47	mg/L	0.513	1.02%
Ca 317.933†	115439.6	49.22	mg/L	0.509	49.22	mg/L	0.509	1.03%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	1843.3	0.04775	mg/L	0.000499	0.04775	mg/L	0.000499	1.05%
Cd 228.802†	103.4	0.04742	mg/L	0.000912	0.04742	mg/L	0.000912	1.92%
Ce 413.380†	775.5	0.4981	mg/L	0.00504	0.4981	mg/L	0.00504	1.01%
Ce 413.764†	828.1	0.4959	mg/L	0.00765	0.4959	mg/L	0.00765	1.54%
Ce 418.660†	1526.1	0.4814	mg/L	0.02049	0.4814	mg/L	0.02049	4.26%
Co 228.616†	3551.3	0.09437	mg/L	0.001890	0.09437	mg/L	0.001890	2.00%
Co 230.786†	64.2	0.09161	mg/L	0.000485	0.09161	mg/L	0.000485	0.53%
Co 238.892†	83.1	0.08998	mg/L	0.001304	0.08998	mg/L	0.001304	1.45%
Cr 205.560†	13.1	0.08826	mg/L	0.002524	0.08826	mg/L	0.002524	2.86%
Cr 267.716†	2808.5	0.1004	mg/L	0.00165	0.1004	mg/L	0.00165	1.64%
Cr 283.563†	352.3	0.1033	mg/L	0.00194	0.1033	mg/L	0.00194	1.88%
Cu 224.700†	38.0	0.09161	mg/L	0.003250	0.09161	mg/L	0.003250	3.55%
Cu 324.752†	704.1	0.09245	mg/L	0.001637	0.09245	mg/L	0.001637	1.77%
Cu 327.393†	6514.4	0.09749	mg/L	0.002315	0.09749	mg/L	0.002315	2.38%
Fe 238.204†	2116.6	0.9675	mg/L	0.01636	0.9675	mg/L	0.01636	1.69%
Fe 239.562†	1610.1	0.9623	mg/L	0.01559	0.9623	mg/L	0.01559	1.62%
Fe 259.939†	4209.6	0.9911	mg/L	0.01933	0.9911	mg/L	0.01933	1.95%
Fe 273.955†	713.9	1.076	mg/L	0.0176	1.076	mg/L	0.0176	1.63%
K 766.490†	15232.5	33.40	mg/L	0.492	33.40	mg/L	0.492	1.47%
Li 610.362†	647.4	0.08892	mg/L	0.006199	0.08892	mg/L	0.006199	6.97%
Li 670.784†	4895.4	0.09227	mg/L	0.003020	0.09227	mg/L	0.003020	3.27%
Mg 279.077†	12585.1	19.05	mg/L	0.271	19.05	mg/L	0.271	1.42%
Mg 280.271†	1857114.5	18.66	mg/L	0.184	18.66	mg/L	0.184	0.98%
Mg 285.213†	62319.3	18.36	mg/L	0.157	18.36	mg/L	0.157	0.86%
Mn 257.610†	3322.6	0.1957	mg/L	0.00223	0.1957	mg/L	0.00223	1.14%
Mn 259.372†	5210.8	0.1940	mg/L	0.00309	0.1940	mg/L	0.00309	1.59%
Mn 260.568†	2087.2	0.1869	mg/L	0.00266	0.1869	mg/L	0.00266	1.42%
Mo 202.031†	12.6	0.08035	mg/L	0.009138	0.08035	mg/L	0.009138	11.37%
Mo 203.845†	11.7	0.1183	mg/L	0.01500	0.1183	mg/L	0.01500	12.68%
Mo 204.597†	693.3	0.09638	mg/L	0.000474	0.09638	mg/L	0.000474	0.49%
Na 588.995†	243295.1	48.65	mg/L	0.341	48.65	mg/L	0.341	0.70%
Na 589.592†	256535.1	48.83	mg/L	0.354	48.83	mg/L	0.354	0.72%
Ni 221.648†	28.8	0.1781	mg/L	0.00316	0.1781	mg/L	0.00316	1.77%
Ni 231.604†	2866.4	0.1930	mg/L	0.00206	0.1930	mg/L	0.00206	1.07%
Ni 232.003†	55.9	0.1733	mg/L	0.00105	0.1733	mg/L	0.00105	0.60%
Pb 217.000†	24.3	0.4778	mg/L	0.02512	0.4778	mg/L	0.02512	5.26%
Pb 220.353†	1320.5	0.4883	mg/L	0.00406	0.4883	mg/L	0.00406	0.83%
Sb 206.836†	1101.1	0.5023	mg/L	0.00354	0.5023	mg/L	0.00354	0.70%
Sb 217.582†	16.3	0.4841	mg/L	0.00273	0.4841	mg/L	0.00273	0.56%
Se 196.026†	433.7	0.4881	mg/L	0.01004	0.4881	mg/L	0.01004	2.06%
Se 203.985†	268.8	0.4728	mg/L	0.00706	0.4728	mg/L	0.00706	1.49%
Sn 189.927†	678.4	0.4992	mg/L	0.00195	0.4992	mg/L	0.00195	0.39%
Sn 235.485†	59.7	0.5470	mg/L	0.01399	0.5470	mg/L	0.01399	2.56%
Sr 407.771†	229290.2	1.024	mg/L	0.0083	1.024	mg/L	0.0083	0.81%
Sr 421.552†	253832.2	1.017	mg/L	0.0069	1.017	mg/L	0.0069	0.68%
Sr 460.733†	10960.1	1.012	mg/L	0.0162	1.012	mg/L	0.0162	1.60%

Ti 334.940†	1855.9	0.09908 mg/L	0.001891	0.09908 mg/L	0.001891	1.91%
Ti 336.121†	1607.9	0.1009 mg/L	0.00109	0.1009 mg/L	0.00109	1.08%
Ti 337.279†	713.8	0.09878 mg/L	0.000983	0.09878 mg/L	0.000983	1.00%
Tl 190.801†	471.5	0.4959 mg/L	0.00264	0.4959 mg/L	0.00264	0.53%
Tl 276.787†	2752.0	0.6077 mg/L	0.01224	0.6077 mg/L	0.01224	2.01%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	279.5	0.1069 mg/L	0.00108	0.1069 mg/L	0.00108	1.01%
V 309.310†	482.7	0.09027 mg/L	0.001300	0.09027 mg/L	0.001300	1.44%
V 310.230†	16671.2	0.09587 mg/L	0.001071	0.09587 mg/L	0.001071	1.12%
Zn 202.548†	871.1	0.9445 mg/L	0.00937	0.9445 mg/L	0.00937	0.99%
Zn 206.200†	456.7	0.9495 mg/L	0.00864	0.9495 mg/L	0.00864	0.91%
Zn 213.857†	2244.6	0.9698 mg/L	0.01385	0.9698 mg/L	0.01385	1.43%

Sequence No.: 33
Sample ID: Filter Blank
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 1/3/02 12:42:38 PM
Sample Prep Volume:
Data Type: Original

Mean Data: Filter Blank

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	295795.8						3122.58	1.06%
Y 360.073	3979684.5						56673.97	1.42%
Ag 328.068†	-5.4	-0.00004	mg/L	0.000057	-0.00004	mg/L	0.000057	153.95%
Ag 338.289†	-5.7	-0.00006	mg/L	0.001013	-0.00006	mg/L	0.001013	>999.9%
Al 308.215†	609.6	0.9932	mg/L	0.00632	0.9932	mg/L	0.00632	0.64%
Al 394.401†	807.6	1.044	mg/L	0.0105	1.044	mg/L	0.0105	1.01%
Al 396.153†	3384.3	1.045	mg/L	0.0375	1.045	mg/L	0.0375	3.58%
As 188.979†	-0.5	-0.02507	mg/L	0.008535	-0.02507	mg/L	0.008535	34.04%
As 193.696†	-2.3	-0.00309	mg/L	0.001563	-0.00309	mg/L	0.001563	50.50%
As 197.197†	-0.6	-0.04882	mg/L	0.010795	-0.04882	mg/L	0.010795	22.11%
B 208.889†	96.2	0.7361	mg/L	0.01791	0.7361	mg/L	0.01791	2.43%
B 249.677†	682.6	0.7298	mg/L	0.01960	0.7298	mg/L	0.01960	2.69%
B 249.772†	1482.9	0.7320	mg/L	0.01025	0.7320	mg/L	0.01025	1.40%
Ba 233.527†	659.8	0.2326	mg/L	0.00324	0.2326	mg/L	0.00324	1.39%
Ba 455.403†	20702.0	0.2455	mg/L	0.00780	0.2455	mg/L	0.00780	3.18%
Ba 493.408†	38334.4	0.2360	mg/L	0.00760	0.2360	mg/L	0.00760	3.22%
Be 234.861†	-51.3	-0.00013	mg/L	0.000016	-0.00013	mg/L	0.000016	12.45%
Be 313.042†	-3.6	-0.00005	mg/L	0.000008	-0.00005	mg/L	0.000008	14.85%
Be 313.107†	-3.6	-0.00005	mg/L	0.000008	-0.00005	mg/L	0.000008	14.85%
Ca 315.887†	9324.8	3.130	mg/L	0.0673	3.130	mg/L	0.0673	2.15%
Ca 317.933†	7175.0	3.059	mg/L	0.0980	3.059	mg/L	0.0980	3.20%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	1.4	0.00004	mg/L	0.000095	0.00004	mg/L	0.000095	263.28%
Cd 228.802†	-0.0	0.00000	mg/L	0.000375	0.00000	mg/L	0.000375	>999.9%
Ce 413.380†	2.3	0.00149	mg/L	0.004215	0.00149	mg/L	0.004215	282.50%
Ce 413.764†	6.2	0.00373	mg/L	0.008637	0.00373	mg/L	0.008637	231.34%
Ce 418.660†	28.3	0.00892	mg/L	0.019682	0.00892	mg/L	0.019682	220.69%
Co 228.616†	19.2	0.00051	mg/L	0.000142	0.00051	mg/L	0.000142	27.90%
Co 230.786†	0.5	0.00076	mg/L	0.001350	0.00076	mg/L	0.001350	177.69%
Co 238.892†	-0.3	-0.00034	mg/L	0.001288	-0.00034	mg/L	0.001288	377.99%
Cr 205.560†	0.5	0.00319	mg/L	0.001333	0.00319	mg/L	0.001333	41.73%
Cr 267.716†	120.5	0.00431	mg/L	0.000030	0.00431	mg/L	0.000030	0.70%
Cr 283.563†	18.1	0.00532	mg/L	0.000850	0.00532	mg/L	0.000850	15.98%
Cu 224.700†	0.4	0.00102	mg/L	0.001007	0.00102	mg/L	0.001007	98.80%
Cu 324.752†	27.0	0.00354	mg/L	0.000739	0.00354	mg/L	0.000739	20.85%
Cu 327.393†	283.6	0.00424	mg/L	0.000163	0.00424	mg/L	0.000163	3.83%
Fe 238.204†	205.0	0.09370	mg/L	0.001212	0.09370	mg/L	0.001212	1.29%
Fe 239.562†	157.6	0.09421	mg/L	0.002172	0.09421	mg/L	0.002172	2.31%
Fe 259.939†	403.4	0.09498	mg/L	0.001258	0.09498	mg/L	0.001258	1.32%
Fe 273.955†	70.5	0.1063	mg/L	0.00468	0.1063	mg/L	0.00468	4.40%
K 766.490†	938.2	2.057	mg/L	0.0585	2.057	mg/L	0.0585	2.84%
Li 610.362†	70.1	0.00962	mg/L	0.015344	0.00962	mg/L	0.015344	159.43%
Li 670.784†	-238.8	-0.00450	mg/L	0.001487	-0.00450	mg/L	0.001487	33.04%
Mg 279.077†	552.0	0.8355	mg/L	0.01833	0.8355	mg/L	0.01833	2.19%
Mg 280.271†	84926.3	0.8533	mg/L	0.02271	0.8533	mg/L	0.02271	2.66%
Mg 285.213†	2868.0	0.8449	mg/L	0.02503	0.8449	mg/L	0.02503	2.96%

Mn 257.610†	43.6	0.00257 mg/L	0.000079	0.00257 mg/L	0.000079	3.07%
Mn 259.372†	70.6	0.00252 mg/L	0.000388	0.00252 mg/L	0.000388	15.40%
Mn 260.568†	26.7	0.00239 mg/L	0.000037	0.00239 mg/L	0.000037	1.57%
Mo 202.031†	0.7	0.00422 mg/L	0.000737	0.00422 mg/L	0.000737	17.49%
Mo 203.845†	0.7	0.00714 mg/L	0.008135	0.00714 mg/L	0.008135	113.88%
Mo 204.597†	-5.6	-0.00078 mg/L	0.000113	-0.00078 mg/L	0.000113	14.60%
Na 588.995†	228800.3	45.75 mg/L	0.299	45.75 mg/L	0.299	0.65%
Na 589.592†	239749.2	45.63 mg/L	0.308	45.63 mg/L	0.308	0.67%
Ni 221.648†	-12.6	-0.07773 mg/L	0.004864	-0.07773 mg/L	0.004864	6.26%
Ni 231.604†	18.9	0.00127 mg/L	0.000089	0.00127 mg/L	0.000089	7.02%
Ni 232.003†	-0.7	-0.00206 mg/L	0.003780	-0.00206 mg/L	0.003780	183.43%
Pb 217.000†	1.8	0.03582 mg/L	0.018257	0.03582 mg/L	0.018257	50.97%
Pb 220.353†	2.5	0.00092 mg/L	0.000855	0.00092 mg/L	0.000855	93.15%
Sb 206.836†	2.3	0.00107 mg/L	0.000884	0.00107 mg/L	0.000884	82.74%
Sb 217.582†	-0.7	-0.02150 mg/L	0.044358	-0.02150 mg/L	0.044358	206.28%
Se 196.026†	2.6	0.00288 mg/L	0.005230	0.00288 mg/L	0.005230	181.87%
Se 203.985†	-0.7	-0.00121 mg/L	0.004057	-0.00121 mg/L	0.004057	336.65%
Sn 189.927†	-0.6	-0.00043 mg/L	0.000771	-0.00043 mg/L	0.000771	180.20%
Sn 235.485†	4.0	0.03681 mg/L	0.020764	0.03681 mg/L	0.020764	56.40%
Sr 407.771†	644.8	0.00288 mg/L	0.000115	0.00288 mg/L	0.000115	3.98%
Sr 421.552†	727.5	0.00291 mg/L	0.000164	0.00291 mg/L	0.000164	5.63%
Sr 460.733†	27.6	0.00255 mg/L	0.002952	0.00255 mg/L	0.002952	115.87%
Ti 334.940†	108.5	0.00579 mg/L	0.000115	0.00579 mg/L	0.000115	1.99%
Ti 336.121†	86.2	0.00541 mg/L	0.000905	0.00541 mg/L	0.000905	16.73%
Ti 337.279†	43.2	0.00598 mg/L	0.000038	0.00598 mg/L	0.000038	0.64%
Tl 190.801†	1.7	0.00183 mg/L	0.000314	0.00183 mg/L	0.000314	17.16%
Tl 276.787†	47.0	0.01037 mg/L	0.002227	0.01037 mg/L	0.002227	21.48%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-0.7	-0.00025 mg/L	0.000401	-0.00025 mg/L	0.000401	161.10%
V 309.310†	-4.0	-0.00074 mg/L	0.000444	-0.00074 mg/L	0.000444	59.91%
V 310.230†	-1066.5	-0.00613 mg/L	0.000172	-0.00613 mg/L	0.000172	2.80%
Zn 202.548†	77.4	0.08395 mg/L	0.000387	0.08395 mg/L	0.000387	0.46%
Zn 206.200†	41.0	0.08535 mg/L	0.002117	0.08535 mg/L	0.002117	2.48%
Zn 213.857†	193.9	0.08386 mg/L	0.001678	0.08386 mg/L	0.001678	2.00%

Sequence No.: 34 **Autosampler Location: 31**
Sample ID: Filter Blank Spk **Date Collected: 1/3/02 12:47:07 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: Filter Blank Spk

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	293954.6						3620.56	1.23%
Y 360.073	3917409.9						8422.89	0.22%
Ag 328.068†	4612.1	0.03165	mg/L	0.000318	0.03165	mg/L	0.000318	1.00%
Ag 338.289†	2944.0	0.03235	mg/L	0.000935	0.03235	mg/L	0.000935	2.89%
Al 308.215†	1183.7	1.928	mg/L	0.0132	1.928	mg/L	0.0132	0.68%
Al 394.401†	1569.2	2.028	mg/L	0.0151	2.028	mg/L	0.0151	0.75%
Al 396.153†	6612.9	2.053	mg/L	0.0569	2.053	mg/L	0.0569	2.77%
As 188.979†	4.1	0.2044	mg/L	0.00213	0.2044	mg/L	0.00213	1.04%
As 193.696†	154.6	0.2048	mg/L	0.00423	0.2048	mg/L	0.00423	2.07%
As 197.197†	2.5	0.1936	mg/L	0.04167	0.1936	mg/L	0.04167	21.52%
B 208.889†	225.8	1.729	mg/L	0.0062	1.729	mg/L	0.0062	0.36%
B 249.677†	1584.2	1.694	mg/L	0.0121	1.694	mg/L	0.0121	0.71%
B 249.772†	3438.2	1.697	mg/L	0.0146	1.697	mg/L	0.0146	0.86%
Ba 233.527†	1173.1	0.4135	mg/L	0.00431	0.4135	mg/L	0.00431	1.04%
Ba 455.403†	36189.6	0.4291	mg/L	0.01077	0.4291	mg/L	0.01077	2.51%
Ba 493.408†	67846.9	0.4177	mg/L	0.00069	0.4177	mg/L	0.00069	0.16%
Be 234.861†	3044.9	0.00764	mg/L	0.000134	0.00764	mg/L	0.000134	1.75%
Be 313.042†	637.2	0.00954	mg/L	0.000056	0.00954	mg/L	0.000056	0.59%
Be 313.107†	637.2	0.00954	mg/L	0.000056	0.00954	mg/L	0.000056	0.59%
Ca 315.887†	156969.3	52.68	mg/L	0.254	52.68	mg/L	0.254	0.48%
Ca 317.933†	121004.7	51.59	mg/L	0.248	51.59	mg/L	0.248	0.48%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	1820.6	0.04717	mg/L	0.000066	0.04717	mg/L	0.000066	0.14%
Cd 228.802†	103.9	0.04765	mg/L	0.000613	0.04765	mg/L	0.000613	1.29%

Ce 413.380†	771.8	0.4957 mg/L	0.01273	0.4957 mg/L	0.01273	2.57%
Ce 413.764†	824.3	0.4936 mg/L	0.01192	0.4936 mg/L	0.01192	2.42%
Ce 418.660†	1506.3	0.4752 mg/L	0.01123	0.4752 mg/L	0.01123	2.36%
Co 228.616†	3418.1	0.09083 mg/L	0.000125	0.09083 mg/L	0.000125	0.14%
Co 230.786†	64.5	0.09206 mg/L	0.003060	0.09206 mg/L	0.003060	3.32%
Co 238.892†	84.3	0.09129 mg/L	0.001775	0.09129 mg/L	0.001775	1.94%
Cr 205.560†	14.3	0.09602 mg/L	0.007224	0.09602 mg/L	0.007224	7.52%
Cr 267.716†	2846.0	0.1018 mg/L	0.00009	0.1018 mg/L	0.00009	0.09%
Cr 283.563†	376.0	0.1103 mg/L	0.00217	0.1103 mg/L	0.00217	1.97%
Cu 224.700†	40.2	0.09693 mg/L	0.003000	0.09693 mg/L	0.003000	3.10%
Cu 324.752†	712.1	0.09351 mg/L	0.001517	0.09351 mg/L	0.001517	1.62%
Cu 327.393†	6577.9	0.09844 mg/L	0.001531	0.09844 mg/L	0.001531	1.55%
Fe 238.204†	2225.8	1.017 mg/L	0.0095	1.017 mg/L	0.0095	0.93%
Fe 239.562†	1692.2	1.011 mg/L	0.0092	1.011 mg/L	0.0092	0.91%
Fe 259.939†	4314.5	1.016 mg/L	0.0202	1.016 mg/L	0.0202	1.99%
Fe 273.955†	750.5	1.131 mg/L	0.0127	1.131 mg/L	0.0127	1.12%
K 766.490†	16070.2	35.23 mg/L	0.753	35.23 mg/L	0.753	2.14%
Li 610.362†	621.9	0.08541 mg/L	0.007089	0.08541 mg/L	0.007089	8.30%
Li 670.784†	4931.1	0.09295 mg/L	0.002784	0.09295 mg/L	0.002784	3.00%
Mg 279.077†	12971.2	19.63 mg/L	0.426	19.63 mg/L	0.426	2.17%
Mg 280.271†	1914791.1	19.24 mg/L	0.095	19.24 mg/L	0.095	0.50%
Mg 285.213†	64616.7	19.04 mg/L	0.061	19.04 mg/L	0.061	0.32%
Mn 257.610†	3271.9	0.1927 mg/L	0.00371	0.1927 mg/L	0.00371	1.92%
Mn 259.372†	5142.4	0.1914 mg/L	0.00517	0.1914 mg/L	0.00517	2.70%
Mn 260.568†	2094.3	0.1876 mg/L	0.00142	0.1876 mg/L	0.00142	0.76%
Mo 202.031†	12.2	0.07807 mg/L	0.013266	0.07807 mg/L	0.013266	16.99%
Mo 203.845†	9.2	0.09302 mg/L	0.016277	0.09302 mg/L	0.016277	17.50%
Mo 204.597†	680.1	0.09455 mg/L	0.000152	0.09455 mg/L	0.000152	0.16%
Na 588.995†	460471.6	92.08 mg/L	0.401	92.08 mg/L	0.401	0.44%
Na 589.592†	488672.9	93.01 mg/L	0.480	93.01 mg/L	0.480	0.52%
Ni 221.648†	14.2	0.08764 mg/L	0.004771	0.08764 mg/L	0.004771	5.44%
Ni 231.604†	2826.9	0.1903 mg/L	0.00051	0.1903 mg/L	0.00051	0.27%
Ni 232.003†	58.8	0.1821 mg/L	0.00232	0.1821 mg/L	0.00232	1.27%
Pb 217.000†	24.1	0.4748 mg/L	0.00918	0.4748 mg/L	0.00918	1.93%
Pb 220.353†	1295.9	0.4793 mg/L	0.00213	0.4793 mg/L	0.00213	0.44%
Sb 206.836†	954.8	0.4355 mg/L	0.00090	0.4355 mg/L	0.00090	0.21%
Sb 217.582†	15.5	0.4611 mg/L	0.02852	0.4611 mg/L	0.02852	6.19%
Se 196.026†	424.4	0.4776 mg/L	0.00469	0.4776 mg/L	0.00469	0.98%
Se 203.985†	266.3	0.4685 mg/L	0.00802	0.4685 mg/L	0.00802	1.71%
Sn 189.927†	650.4	0.4786 mg/L	0.00277	0.4786 mg/L	0.00277	0.58%
Sn 235.485†	57.1	0.5230 mg/L	0.04119	0.5230 mg/L	0.04119	7.88%
Sr 407.771†	227540.9	1.016 mg/L	0.0033	1.016 mg/L	0.0033	0.33%
Sr 421.552†	248954.1	0.9972 mg/L	0.00400	0.9972 mg/L	0.00400	0.40%
Sr 460.733†	10831.1	1.000 mg/L	0.0251	1.000 mg/L	0.0251	2.51%
Ti 334.940†	1912.9	0.1021 mg/L	0.00309	0.1021 mg/L	0.00309	3.02%
Ti 336.121†	1633.9	0.1025 mg/L	0.00224	0.1025 mg/L	0.00224	2.19%
Ti 337.279†	739.7	0.1024 mg/L	0.00039	0.1024 mg/L	0.00039	0.38%
Tl 190.801†	463.1	0.4870 mg/L	0.00171	0.4870 mg/L	0.00171	0.35%
Tl 276.787†	2642.6	0.5836 mg/L	0.02228	0.5836 mg/L	0.02228	3.82%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	271.4	0.1037 mg/L	0.00126	0.1037 mg/L	0.00126	1.22%
V 309.310†	485.9	0.09087 mg/L	0.001179	0.09087 mg/L	0.001179	1.30%
V 310.230†	16090.3	0.09253 mg/L	0.000390	0.09253 mg/L	0.000390	0.42%
Zn 202.548†	944.4	1.024 mg/L	0.0072	1.024 mg/L	0.0072	0.71%
Zn 206.200†	489.7	1.018 mg/L	0.0117	1.018 mg/L	0.0117	1.15%
Zn 213.857†	2416.5	1.044 mg/L	0.0120	1.044 mg/L	0.0120	1.15%

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Sequence No.: 35
Sample ID: 2002AH18S01
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 1/3/02 12:51:39 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 2002AH18S01

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	298910.9						3513.14	1.18%
Y 360.073	3975092.9						41438.53	1.04%

Ag 328.068†	182.5	0.00125 mg/L	0.000357	0.00125 mg/L	0.000357	28.47%
Ag 338.289†	84.0	0.00092 mg/L	0.000999	0.00092 mg/L	0.000999	108.30%
Al 308.215†	794.0	1.294 mg/L	0.0151	1.294 mg/L	0.0151	1.17%
Al 394.401†	1050.6	1.358 mg/L	0.0232	1.358 mg/L	0.0232	1.71%
Al 396.153†	4390.9	1.357 mg/L	0.0237	1.357 mg/L	0.0237	1.75%
As 188.979†	-0.7	-0.03652 mg/L	0.051500	-0.03652 mg/L	0.051500	141.03%
As 193.696†	-0.5	-0.00067 mg/L	0.001874	-0.00067 mg/L	0.001874	277.71%
As 197.197†	-0.2	-0.01190 mg/L	0.031582	-0.01190 mg/L	0.031582	265.46%
B 208.889†	47.1	0.3606 mg/L	0.01530	0.3606 mg/L	0.01530	4.24%
B 249.677†	348.9	0.3730 mg/L	0.01038	0.3730 mg/L	0.01038	2.78%
B 249.772†	772.2	0.3812 mg/L	0.00828	0.3812 mg/L	0.00828	2.17%
Ba 233.527†	706.8	0.2492 mg/L	0.00359	0.2492 mg/L	0.00359	1.44%
Ba 455.403†	21500.4	0.2549 mg/L	0.00457	0.2549 mg/L	0.00457	1.79%
Ba 493.408†	39804.2	0.2450 mg/L	0.00408	0.2450 mg/L	0.00408	1.66%
Be 234.861†	-582.3	-0.00146 mg/L	0.000062	-0.00146 mg/L	0.000062	4.24%
Be 313.042†	4.5	0.00007 mg/L	0.000020	0.00007 mg/L	0.000020	30.16%
Be 313.107†	4.5	0.00007 mg/L	0.000020	0.00007 mg/L	0.000020	30.16%
Ca 315.887†	16562.1	5.559 mg/L	0.1245	5.559 mg/L	0.1245	2.24%
Ca 317.933†	12709.1	5.419 mg/L	0.1424	5.419 mg/L	0.1424	2.63%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	16.2	0.00042 mg/L	0.000023	0.00042 mg/L	0.000023	5.39%
Cd 228.802†	2.1	0.00098 mg/L	0.000652	0.00098 mg/L	0.000652	66.79%
Ce 413.380†	7.7	0.00495 mg/L	0.003573	0.00495 mg/L	0.003573	72.25%
Ce 413.764†	7.9	0.00473 mg/L	0.004778	0.00473 mg/L	0.004778	101.00%
Ce 418.660†	31.7	0.00999 mg/L	0.022621	0.00999 mg/L	0.022621	226.36%
Co 228.616†	29.5	0.00078 mg/L	0.000265	0.00078 mg/L	0.000265	33.77%
Co 230.786†	1.2	0.00175 mg/L	0.000896	0.00175 mg/L	0.000896	51.30%
Co 238.892†	0.4	0.00042 mg/L	0.001017	0.00042 mg/L	0.001017	242.34%
Cr 205.560†	0.6	0.00385 mg/L	0.003961	0.00385 mg/L	0.003961	102.87%
Cr 267.716†	215.1	0.00769 mg/L	0.000063	0.00769 mg/L	0.000063	0.81%
Cr 283.563†	28.6	0.00839 mg/L	0.000057	0.00839 mg/L	0.000057	0.68%
Cu 224.700†	936.1	2.257 mg/L	0.0310	2.257 mg/L	0.0310	1.37%
Cu 324.752†	16565.1	2.175 mg/L	0.0263	2.175 mg/L	0.0263	1.21%
Cu 327.393†	152474.5	2.282 mg/L	0.0375	2.282 mg/L	0.0375	1.64%
Fe 238.204†	1267.9	0.5796 mg/L	0.01008	0.5796 mg/L	0.01008	1.74%
Fe 239.562†	962.5	0.5752 mg/L	0.01204	0.5752 mg/L	0.01204	2.09%
Fe 259.939†	2469.3	0.5814 mg/L	0.00566	0.5814 mg/L	0.00566	0.97%
Fe 273.955†	428.6	0.6458 mg/L	0.01156	0.6458 mg/L	0.01156	1.79%
K 766.490†	1148.6	2.518 mg/L	0.0815	2.518 mg/L	0.0815	3.24%
Li 610.362†	-58.3	-0.00800 mg/L	0.009049	-0.00800 mg/L	0.009049	113.05%
Li 670.784†	-173.2	-0.00326 mg/L	0.000630	-0.00326 mg/L	0.000630	19.29%
Mg 279.077†	968.0	1.465 mg/L	0.0397	1.465 mg/L	0.0397	2.71%
Mg 280.271†	145592.4	1.463 mg/L	0.0077	1.463 mg/L	0.0077	0.53%
Mg 285.213†	4809.5	1.417 mg/L	0.0259	1.417 mg/L	0.0259	1.83%
Mn 257.610†	425.0	0.02503 mg/L	0.000437	0.02503 mg/L	0.000437	1.75%
Mn 259.372†	680.5	0.02489 mg/L	0.000545	0.02489 mg/L	0.000545	2.19%
Mn 260.568†	266.9	0.02390 mg/L	0.000426	0.02390 mg/L	0.000426	1.78%
Mo 202.031†	-1.2	-0.00767 mg/L	0.009995	-0.00767 mg/L	0.009995	130.33%
Mo 203.845†	0.7	0.00700 mg/L	0.012212	0.00700 mg/L	0.012212	174.54%
Mo 204.597†	-2.1	-0.00030 mg/L	0.000362	-0.00030 mg/L	0.000362	122.36%
Na 588.995†	238781.3	47.75 mg/L	0.236	47.75 mg/L	0.236	0.49%
Na 589.592†	251147.1	47.80 mg/L	0.227	47.80 mg/L	0.227	0.47%
Ni 221.648†	-10.2	-0.06289 mg/L	0.002995	-0.06289 mg/L	0.002995	4.76%
Ni 231.604†	46.4	0.00312 mg/L	0.000298	0.00312 mg/L	0.000298	9.54%
Ni 232.003†	0.9	0.00274 mg/L	0.002492	0.00274 mg/L	0.002492	90.91%
Pb 217.000†	0.7	0.01473 mg/L	0.035416	0.01473 mg/L	0.035416	240.49%
Pb 220.353†	36.5	0.01349 mg/L	0.001577	0.01349 mg/L	0.001577	11.69%
Sb 206.836†	8.1	0.00369 mg/L	0.000890	0.00369 mg/L	0.000890	24.14%
Sb 217.582†	-0.0	-0.00047 mg/L	0.025791	-0.00047 mg/L	0.025791	>999.9%
Se 196.026†	8.7	0.00981 mg/L	0.003615	0.00981 mg/L	0.003615	36.85%
Se 203.985†	-0.1	-0.00023 mg/L	0.002458	-0.00023 mg/L	0.002458	>999.9%
Sn 189.927†	2.7	0.00202 mg/L	0.000491	0.00202 mg/L	0.000491	24.31%
Sn 235.485†	7.1	0.06464 mg/L	0.013467	0.06464 mg/L	0.013467	20.83%
Sr 407.771†	1412.4	0.00631 mg/L	0.000452	0.00631 mg/L	0.000452	7.17%
Sr 421.552†	1597.0	0.00640 mg/L	0.000404	0.00640 mg/L	0.000404	6.31%
Sr 460.733†	18.1	0.00168 mg/L	0.010513	0.00168 mg/L	0.010513	627.28%
Ti 334.940†	239.1	0.01277 mg/L	0.000032	0.01277 mg/L	0.000032	0.25%
Ti 336.121†	215.2	0.01351 mg/L	0.000256	0.01351 mg/L	0.000256	1.89%
Ti 337.279†	92.3	0.01277 mg/L	0.000206	0.01277 mg/L	0.000206	1.62%
Tl 190.801†	2.4	0.00248 mg/L	0.000636	0.00248 mg/L	0.000636	25.62%

Tl 276.787†	83.0	0.01833 mg/L	0.004985	0.01833 mg/L	0.004985	27.20%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	1.9	0.00071 mg/L	0.001093	0.00071 mg/L	0.001093	154.32%
V 309.310†	1.7	0.00033 mg/L	0.000383	0.00033 mg/L	0.000383	117.27%
V 310.230†	-986.9	-0.00568 mg/L	0.000367	-0.00568 mg/L	0.000367	6.47%
Zn 202.548†	134.7	0.1295 mg/L	0.00367	0.1295 mg/L	0.00367	2.83%
Zn 206.200†	62.2	0.1292 mg/L	0.00150	0.1292 mg/L	0.00150	1.16%
Zn 213.857†	307.0	0.1315 mg/L	0.00368	0.1315 mg/L	0.00368	2.80%

Sequence No.: 36
Sample ID: 2002AH18D01
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 33
Date Collected: 1/3/02 12:56:11 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 2002AH18D01

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	294907.3						7071.59	2.40%
Y 360.073	3994189.9						47577.52	1.19%
Ag 328.068†	13.9	0.00010	mg/L	0.000148	0.00010	mg/L	0.000148	155.44%
Ag 338.289†	38.9	0.00043	mg/L	0.000365	0.00043	mg/L	0.000365	85.45%
Al 308.215†	847.6	1.381	mg/L	0.0450	1.381	mg/L	0.0450	3.26%
Al 394.401†	1120.8	1.449	mg/L	0.0400	1.449	mg/L	0.0400	2.76%
Al 396.153†	4728.7	1.461	mg/L	0.0477	1.461	mg/L	0.0477	3.26%
As 188.979†	-0.4	-0.02070	mg/L	0.048509	-0.02070	mg/L	0.048509	234.29%
As 193.696†	1.8	0.00234	mg/L	0.000432	0.00234	mg/L	0.000432	18.45%
As 197.197†	-0.5	-0.04196	mg/L	0.033244	-0.04196	mg/L	0.033244	79.22%
B 208.889†	49.4	0.3784	mg/L	0.02416	0.3784	mg/L	0.02416	6.38%
B 249.677†	347.4	0.3714	mg/L	0.01231	0.3714	mg/L	0.01231	3.32%
B 249.772†	762.0	0.3761	mg/L	0.00966	0.3761	mg/L	0.00966	2.57%
Ba 233.527†	717.9	0.2531	mg/L	0.00700	0.2531	mg/L	0.00700	2.77%
Ba 455.403†	22340.1	0.2649	mg/L	0.01002	0.2649	mg/L	0.01002	3.78%
Ba 493.408†	41362.6	0.2546	mg/L	0.00954	0.2546	mg/L	0.00954	3.75%
Be 234.861†	-1056.4	-0.00265	mg/L	0.000097	-0.00265	mg/L	0.000097	3.67%
Be 313.042†	4.5	0.00007	mg/L	0.000023	0.00007	mg/L	0.000023	34.43%
Be 313.107†	4.5	0.00007	mg/L	0.000023	0.00007	mg/L	0.000023	34.43%
Ca 315.887†	21441.3	7.196	mg/L	0.2197	7.196	mg/L	0.2197	3.05%
Ca 317.933†	16462.7	7.019	mg/L	0.2167	7.019	mg/L	0.2167	3.09%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	21.1	0.00055	mg/L	0.000128	0.00055	mg/L	0.000128	23.44%
Cd 228.802†	1.6	0.00075	mg/L	0.000238	0.00075	mg/L	0.000238	31.52%
Ce 413.380†	11.9	0.00766	mg/L	0.005764	0.00766	mg/L	0.005764	75.28%
Ce 413.764†	8.0	0.00480	mg/L	0.004878	0.00480	mg/L	0.004878	101.72%
Ce 418.660†	-25.4	-0.00801	mg/L	0.020350	-0.00801	mg/L	0.020350	254.21%
Co 228.616†	31.4	0.00084	mg/L	0.000143	0.00084	mg/L	0.000143	17.17%
Co 230.786†	0.3	0.00038	mg/L	0.000474	0.00038	mg/L	0.000474	123.95%
Co 238.892†	0.1	0.00013	mg/L	0.000675	0.00013	mg/L	0.000675	508.94%
Cr 205.560†	0.4	0.00259	mg/L	0.006970	0.00259	mg/L	0.006970	269.30%
Cr 267.716†	211.1	0.00755	mg/L	0.000078	0.00755	mg/L	0.000078	1.04%
Cr 283.563†	29.7	0.00870	mg/L	0.000512	0.00870	mg/L	0.000512	5.88%
Cu 224.700†	74.6	0.1798	mg/L	0.00491	0.1798	mg/L	0.00491	2.73%
Cu 324.752†	1351.6	0.1775	mg/L	0.00558	0.1775	mg/L	0.00558	3.15%
Cu 327.393†	12115.9	0.1813	mg/L	0.00452	0.1813	mg/L	0.00452	2.49%
Fe 238.204†	2364.3	1.081	mg/L	0.0364	1.081	mg/L	0.0364	3.37%
Fe 239.562†	1799.3	1.075	mg/L	0.0319	1.075	mg/L	0.0319	2.96%
Fe 259.939†	4703.3	1.107	mg/L	0.0334	1.107	mg/L	0.0334	3.02%
Fe 273.955†	797.6	1.202	mg/L	0.0358	1.202	mg/L	0.0358	2.98%
K 766.490†	1184.9	2.598	mg/L	0.1421	2.598	mg/L	0.1421	5.47%
Li 610.362†	13.9	0.00191	mg/L	0.007563	0.00191	mg/L	0.007563	395.30%
Li 670.784†	-232.1	-0.00437	mg/L	0.001903	-0.00437	mg/L	0.001903	43.50%
Mg 279.077†	1092.1	1.653	mg/L	0.0382	1.653	mg/L	0.0382	2.31%
Mg 280.271†	161961.7	1.627	mg/L	0.0153	1.627	mg/L	0.0153	0.94%
Mg 285.213†	5519.9	1.626	mg/L	0.0603	1.626	mg/L	0.0603	3.71%
Mn 257.610†	671.9	0.03956	mg/L	0.001276	0.03956	mg/L	0.001276	3.22%
Mn 259.372†	1074.8	0.03905	mg/L	0.000986	0.03905	mg/L	0.000986	2.53%
Mn 260.568†	423.9	0.03796	mg/L	0.001282	0.03796	mg/L	0.001282	3.38%
Mo 202.031†	1.1	0.00719	mg/L	0.010304	0.00719	mg/L	0.010304	143.34%

Mo 203.845†	1.4	0.01413	mg/L	0.005771	0.01413	mg/L	0.005771	40.84%
Mo 204.597†	-2.0	-0.00027	mg/L	0.000392	-0.00027	mg/L	0.000392	142.91%
Na 588.995†	233366.9	46.66	mg/L	0.339	46.66	mg/L	0.339	0.73%
Na 589.592†	244747.9	46.58	mg/L	0.351	46.58	mg/L	0.351	0.75%
Ni 221.648†	-10.2	-0.06316	mg/L	0.001254	-0.06316	mg/L	0.001254	1.99%
Ni 231.604†	62.0	0.00418	mg/L	0.000302	0.00418	mg/L	0.000302	7.23%
Ni 232.003†	0.6	0.00192	mg/L	0.003641	0.00192	mg/L	0.003641	189.48%
Pb 217.000†	0.9	0.01735	mg/L	0.021651	0.01735	mg/L	0.021651	124.79%
Pb 220.353†	35.4	0.01308	mg/L	0.001485	0.01308	mg/L	0.001485	11.36%
Sb 206.836†	3.8	0.00173	mg/L	0.001995	0.00173	mg/L	0.001995	115.55%
Sb 217.582†	0.5	0.01444	mg/L	0.013525	0.01444	mg/L	0.013525	93.67%
Se 196.026†	3.8	0.00431	mg/L	0.003498	0.00431	mg/L	0.003498	81.17%
Se 203.985†	0.6	0.00108	mg/L	0.002884	0.00108	mg/L	0.002884	266.19%
Sn 189.927†	1.7	0.00122	mg/L	0.000693	0.00122	mg/L	0.000693	56.80%
Sn 235.485†	4.2	0.03847	mg/L	0.060877	0.03847	mg/L	0.060877	158.24%
Sr 407.771†	1842.0	0.00822	mg/L	0.000316	0.00822	mg/L	0.000316	3.85%
Sr 421.552†	2040.8	0.00817	mg/L	0.000427	0.00817	mg/L	0.000427	5.22%
Sr 460.733†	63.2	0.00583	mg/L	0.007949	0.00583	mg/L	0.007949	136.24%
Ti 334.940†	299.9	0.01601	mg/L	0.000623	0.01601	mg/L	0.000623	3.89%
Ti 336.121†	248.0	0.01557	mg/L	0.000512	0.01557	mg/L	0.000512	3.29%
Ti 337.279†	117.3	0.01624	mg/L	0.000498	0.01624	mg/L	0.000498	3.07%
Tl 190.801†	-0.1	-0.00010	mg/L	0.001627	-0.00010	mg/L	0.001627	>999.9%
Tl 276.787†	91.4	0.02019	mg/L	0.002633	0.02019	mg/L	0.002633	13.04%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
V 290.880†	1.5	0.00056	mg/L	0.000862	0.00056	mg/L	0.000862	154.33%
V 309.310†	-0.6	-0.00011	mg/L	0.000262	-0.00011	mg/L	0.000262	235.75%
V 310.230†	-1041.2	-0.00599	mg/L	0.000371	-0.00599	mg/L	0.000371	6.20%
Zn 202.548†	119.4	0.1282	mg/L	0.00609	0.1282	mg/L	0.00609	4.75%
Zn 206.200†	60.7	0.1261	mg/L	0.00185	0.1261	mg/L	0.00185	1.46%
Zn 213.857†	299.2	0.1292	mg/L	0.00336	0.1292	mg/L	0.00336	2.60%

Sequence No.: 37
Sample ID: 2002AH18D01 Dup
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 34
Date Collected: 1/3/02 1:00:42 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 2002AH18D01 Dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	294587.3						5942.32	2.02%
Y 360.073	3968892.6						25240.21	0.64%
Ag 328.068†	57.5	0.00039	mg/L	0.000334	0.00039	mg/L	0.000334	84.63%
Ag 338.289†	61.8	0.00068	mg/L	0.000322	0.00068	mg/L	0.000322	47.44%
Al 308.215†	944.0	1.538	mg/L	0.0383	1.538	mg/L	0.0383	2.49%
Al 394.401†	1254.4	1.621	mg/L	0.0500	1.621	mg/L	0.0500	3.09%
Al 396.153†	5338.1	1.649	mg/L	0.0423	1.649	mg/L	0.0423	2.57%
As 188.979†	-0.2	-0.01239	mg/L	0.036191	-0.01239	mg/L	0.036191	292.12%
As 193.696†	1.8	0.00239	mg/L	0.001506	0.00239	mg/L	0.001506	62.98%
As 197.197†	-0.6	-0.04894	mg/L	0.045867	-0.04894	mg/L	0.045867	93.73%
B 208.889†	60.5	0.4632	mg/L	0.02708	0.4632	mg/L	0.02708	5.85%
B 249.677†	411.9	0.4404	mg/L	0.00732	0.4404	mg/L	0.00732	1.66%
B 249.772†	899.8	0.4441	mg/L	0.01211	0.4441	mg/L	0.01211	2.73%
Ba 233.527†	802.9	0.2830	mg/L	0.00725	0.2830	mg/L	0.00725	2.56%
Ba 455.403†	25135.2	0.2980	mg/L	0.00672	0.2980	mg/L	0.00672	2.25%
Ba 493.408†	46653.1	0.2872	mg/L	0.00615	0.2872	mg/L	0.00615	2.14%
Be 234.861†	-1048.7	-0.00263	mg/L	0.000036	-0.00263	mg/L	0.000036	1.37%
Be 313.042†	2.7	0.00004	mg/L	0.000054	0.00004	mg/L	0.000054	136.43%
Be 313.107†	2.7	0.00004	mg/L	0.000054	0.00004	mg/L	0.000054	136.43%
Ca 315.887†	22905.4	7.688	mg/L	0.1799	7.688	mg/L	0.1799	2.34%
Ca 317.933†	17711.7	7.551	mg/L	0.1435	7.551	mg/L	0.1435	1.90%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	11.5	0.00030	mg/L	0.000148	0.00030	mg/L	0.000148	49.89%
Cd 228.802†	2.3	0.00106	mg/L	0.000386	0.00106	mg/L	0.000386	36.45%
Ce 413.380†	9.4	0.00601	mg/L	0.010566	0.00601	mg/L	0.010566	175.86%
Ce 413.764†	10.3	0.00619	mg/L	0.002496	0.00619	mg/L	0.002496	40.33%
Ce 418.660†	-6.4	-0.00202	mg/L	0.008937	-0.00202	mg/L	0.008937	442.88%
Co 228.616†	26.8	0.00071	mg/L	0.000362	0.00071	mg/L	0.000362	50.75%

Co 230.786†	1.1	0.00153 mg/L	0.002155	0.00153 mg/L	0.002155	141.06%
Co 238.892†	1.0	0.00106 mg/L	0.000597	0.00106 mg/L	0.000597	56.14%
Cr 205.560†	1.2	0.00784 mg/L	0.001603	0.00784 mg/L	0.001603	20.46%
Cr 267.716†	220.7	0.00789 mg/L	0.000073	0.00789 mg/L	0.000073	0.93%
Cr 283.563†	31.3	0.00919 mg/L	0.000426	0.00919 mg/L	0.000426	4.63%
Cu 224.700†	72.1	0.1739 mg/L	0.00599	0.1739 mg/L	0.00599	3.44%
Cu 324.752†	1245.1	0.1635 mg/L	0.00439	0.1635 mg/L	0.00439	2.69%
Cu 327.393†	11295.6	0.1690 mg/L	0.00124	0.1690 mg/L	0.00124	0.74%
Fe 238.204†	2470.1	1.129 mg/L	0.0249	1.129 mg/L	0.0249	2.20%
Fe 239.562†	1854.9	1.109 mg/L	0.0294	1.109 mg/L	0.0294	2.66%
Fe 259.939†	4880.8	1.149 mg/L	0.0297	1.149 mg/L	0.0297	2.59%
Fe 273.955†	826.2	1.245 mg/L	0.0331	1.245 mg/L	0.0331	2.66%
K 766.490†	1305.1	2.861 mg/L	0.0513	2.861 mg/L	0.0513	1.79%
Li 610.362†	96.3	0.01323 mg/L	0.004541	0.01323 mg/L	0.004541	34.32%
Li 670.784†	-160.4	-0.00302 mg/L	0.001218	-0.00302 mg/L	0.001218	40.29%
Mg 279.077†	1187.5	1.797 mg/L	0.0509	1.797 mg/L	0.0509	2.83%
Mg 280.271†	175597.8	1.764 mg/L	0.0026	1.764 mg/L	0.0026	0.15%
Mg 285.213†	6046.5	1.781 mg/L	0.0331	1.781 mg/L	0.0331	1.86%
Mn 257.610†	694.2	0.04088 mg/L	0.001031	0.04088 mg/L	0.001031	2.52%
Mn 259.372†	1117.8	0.04065 mg/L	0.001015	0.04065 mg/L	0.001015	2.50%
Mn 260.568†	438.2	0.03925 mg/L	0.001205	0.03925 mg/L	0.001205	3.07%
Mo 202.031†	0.2	0.00126 mg/L	0.010328	0.00126 mg/L	0.010328	820.42%
Mo 203.845†	-1.6	-0.01580 mg/L	0.012196	-0.01580 mg/L	0.012196	77.19%
Mo 204.597†	1.8	0.00025 mg/L	0.000175	0.00025 mg/L	0.000175	69.26%
Na 588.995†	258670.2	51.72 mg/L	0.177	51.72 mg/L	0.177	0.34%
Na 589.592†	271403.2	51.66 mg/L	0.190	51.66 mg/L	0.190	0.37%
Ni 221.648†	-11.1	-0.06879 mg/L	0.002693	-0.06879 mg/L	0.002693	3.92%
Ni 231.604†	39.0	0.00262 mg/L	0.000198	0.00262 mg/L	0.000198	7.55%
Ni 232.003†	1.7	0.00535 mg/L	0.005179	0.00535 mg/L	0.005179	96.87%
Pb 217.000†	1.2	0.02363 mg/L	0.006087	0.02363 mg/L	0.006087	25.76%
Pb 220.353†	32.5	0.01203 mg/L	0.000522	0.01203 mg/L	0.000522	4.34%
Sb 206.836†	8.5	0.00388 mg/L	0.000147	0.00388 mg/L	0.000147	3.78%
Sb 217.582†	-0.6	-0.01637 mg/L	0.014287	-0.01637 mg/L	0.014287	87.29%
Se 196.026†	6.4	0.00720 mg/L	0.004948	0.00720 mg/L	0.004948	68.68%
Se 203.985†	0.9	0.00154 mg/L	0.002631	0.00154 mg/L	0.002631	170.66%
Sn 189.927†	1.0	0.00072 mg/L	0.002062	0.00072 mg/L	0.002062	287.65%
Sn 235.485†	7.1	0.06539 mg/L	0.008418	0.06539 mg/L	0.008418	12.87%
Sr 407.771†	1949.5	0.00870 mg/L	0.000137	0.00870 mg/L	0.000137	1.58%
Sr 421.552†	2187.1	0.00876 mg/L	0.000253	0.00876 mg/L	0.000253	2.88%
Sr 460.733†	21.1	0.00195 mg/L	0.006001	0.00195 mg/L	0.006001	308.10%
Ti 334.940†	319.4	0.01705 mg/L	0.000582	0.01705 mg/L	0.000582	3.41%
Ti 336.121†	278.2	0.01745 mg/L	0.001003	0.01745 mg/L	0.001003	5.75%
Ti 337.279†	123.9	0.01715 mg/L	0.000605	0.01715 mg/L	0.000605	3.53%
Tl 190.801†	0.2	0.00025 mg/L	0.000598	0.00025 mg/L	0.000598	242.54%
Tl 276.787†	103.3	0.02282 mg/L	0.006616	0.02282 mg/L	0.006616	29.00%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	2.1	0.00082 mg/L	0.000671	0.00082 mg/L	0.000671	82.36%
V 309.310†	0.5	0.00010 mg/L	0.000475	0.00010 mg/L	0.000475	485.54%
V 310.230†	-1071.3	-0.00616 mg/L	0.000228	-0.00616 mg/L	0.000228	3.70%
Zn 202.548†	104.7	0.1123 mg/L	0.00462	0.1123 mg/L	0.00462	4.12%
Zn 206.200†	53.5	0.1112 mg/L	0.00435	0.1112 mg/L	0.00435	3.91%
Zn 213.857†	257.9	0.1113 mg/L	0.00243	0.1113 mg/L	0.00243	2.19%

Sequence No.: 38 **Autosampler Location: 35**
Sample ID: 2002AH18S02 **Date Collected: 1/3/02 1:05:15 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: 2002AH18S02

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	293300.6						7142.56	2.44%
Y 360.073	4005938.2						6359.28	0.16%
Ag 328.068†	70.0	0.00048	mg/L	0.000265	0.00048	mg/L	0.000265	55.20%
Ag 338.289†	56.8	0.00062	mg/L	0.000100	0.00062	mg/L	0.000100	16.09%
Al 308.215†	1018.4	1.659	mg/L	0.0345	1.659	mg/L	0.0345	2.08%
Al 394.401†	1354.9	1.751	mg/L	0.0515	1.751	mg/L	0.0515	2.94%

Al 396.153†	5739.5	1.773 mg/L	0.0927	1.773 mg/L	0.0927	5.23%
As 188.979†	0.0	0.00201 mg/L	0.032862	0.00201 mg/L	0.032862	>999.9%
As 193.696†	-0.7	-0.00088 mg/L	0.001768	-0.00088 mg/L	0.001768	199.94%
As 197.197†	-0.3	-0.02094 mg/L	0.041143	-0.02094 mg/L	0.041143	196.46%
B 208.889†	61.3	0.4693 mg/L	0.03957	0.4693 mg/L	0.03957	8.43%
B 249.677†	441.0	0.4715 mg/L	0.01033	0.4715 mg/L	0.01033	2.19%
B 249.772†	968.7	0.4781 mg/L	0.01482	0.4781 mg/L	0.01482	3.10%
Ba 233.527†	831.5	0.2931 mg/L	0.00598	0.2931 mg/L	0.00598	2.04%
Ba 455.403†	26204.3	0.3107 mg/L	0.01681	0.3107 mg/L	0.01681	5.41%
Ba 493.408†	48660.1	0.2995 mg/L	0.01599	0.2995 mg/L	0.01599	5.34%
Be 234.861†	-972.2	-0.00244 mg/L	0.000147	-0.00244 mg/L	0.000147	6.05%
Be 313.042†	4.3	0.00006 mg/L	0.000028	0.00006 mg/L	0.000028	44.27%
Be 313.107†	4.3	0.00006 mg/L	0.000028	0.00006 mg/L	0.000028	44.27%
Ca 315.887†	22288.1	7.481 mg/L	0.3242	7.481 mg/L	0.3242	4.33%
Ca 317.933†	17166.7	7.319 mg/L	0.3360	7.319 mg/L	0.3360	4.59%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	111.7	0.00289 mg/L	0.000099	0.00289 mg/L	0.000099	3.43%
Cd 228.802†	8.2	0.00376 mg/L	0.000705	0.00376 mg/L	0.000705	18.77%
Ce 413.380†	-1.8	-0.00118 mg/L	0.011710	-0.00118 mg/L	0.011710	989.13%
Ce 413.764†	3.2	0.00193 mg/L	0.001536	0.00193 mg/L	0.001536	79.40%
Ce 418.660†	8.1	0.00255 mg/L	0.000193	0.00255 mg/L	0.000193	7.56%
Co 228.616†	36.1	0.00096 mg/L	0.000243	0.00096 mg/L	0.000243	25.36%
Co 230.786†	1.5	0.00211 mg/L	0.001406	0.00211 mg/L	0.001406	66.58%
Co 238.892†	-0.6	-0.00062 mg/L	0.000698	-0.00062 mg/L	0.000698	111.87%
Cr 205.560†	0.7	0.00441 mg/L	0.001730	0.00441 mg/L	0.001730	39.23%
Cr 267.716†	221.2	0.00791 mg/L	0.000098	0.00791 mg/L	0.000098	1.24%
Cr 283.563†	28.4	0.00834 mg/L	0.000580	0.00834 mg/L	0.000580	6.95%
Cu 224.700†	67.1	0.1619 mg/L	0.00519	0.1619 mg/L	0.00519	3.21%
Cu 324.752†	1198.4	0.1574 mg/L	0.00417	0.1574 mg/L	0.00417	2.65%
Cu 327.393†	10831.3	0.1621 mg/L	0.00514	0.1621 mg/L	0.00514	3.17%
Fe 238.204†	2097.8	0.9589 mg/L	0.02512	0.9589 mg/L	0.02512	2.62%
Fe 239.562†	1598.0	0.9550 mg/L	0.02523	0.9550 mg/L	0.02523	2.64%
Fe 259.939†	4183.4	0.9850 mg/L	0.04486	0.9850 mg/L	0.04486	4.55%
Fe 273.955†	710.2	1.070 mg/L	0.0256	1.070 mg/L	0.0256	2.39%
K 766.490†	1558.6	3.417 mg/L	0.2563	3.417 mg/L	0.2563	7.50%
Li 610.362†	27.2	0.00374 mg/L	0.005174	0.00374 mg/L	0.005174	138.29%
Li 670.784†	-169.6	-0.00320 mg/L	0.000737	-0.00320 mg/L	0.000737	23.05%
Mg 279.077†	1048.6	1.587 mg/L	0.0562	1.587 mg/L	0.0562	3.54%
Mg 280.271†	155649.3	1.564 mg/L	0.0119	1.564 mg/L	0.0119	0.76%
Mg 285.213†	5362.2	1.580 mg/L	0.0823	1.580 mg/L	0.0823	5.21%
Mn 257.610†	725.1	0.04270 mg/L	0.001149	0.04270 mg/L	0.001149	2.69%
Mn 259.372†	1159.7	0.04238 mg/L	0.000917	0.04238 mg/L	0.000917	2.16%
Mn 260.568†	453.3	0.04060 mg/L	0.001428	0.04060 mg/L	0.001428	3.52%
Mo 202.031†	1.2	0.00748 mg/L	0.010826	0.00748 mg/L	0.010826	144.80%
Mo 203.845†	0.0	0.00004 mg/L	0.002807	0.00004 mg/L	0.002807	>999.9%
Mo 204.597†	3.9	0.00055 mg/L	0.000017	0.00055 mg/L	0.000017	3.16%
Na 588.995†	277254.3	55.44 mg/L	0.304	55.44 mg/L	0.304	0.55%
Na 589.592†	291775.2	55.53 mg/L	0.295	55.53 mg/L	0.295	0.53%
Ni 221.648†	-12.0	-0.07411 mg/L	0.005827	-0.07411 mg/L	0.005827	7.86%
Ni 231.604†	56.1	0.00378 mg/L	0.000299	0.00378 mg/L	0.000299	7.91%
Ni 232.003†	1.7	0.00513 mg/L	0.004827	0.00513 mg/L	0.004827	94.14%
Pb 217.000†	2.0	0.03880 mg/L	0.026143	0.03880 mg/L	0.026143	67.38%
Pb 220.353†	24.7	0.00912 mg/L	0.000179	0.00912 mg/L	0.000179	1.96%
Sb 206.836†	4.4	0.00199 mg/L	0.000542	0.00199 mg/L	0.000542	27.22%
Sb 217.582†	-0.3	-0.00794 mg/L	0.026677	-0.00794 mg/L	0.026677	336.04%
Se 196.026†	8.4	0.00948 mg/L	0.000612	0.00948 mg/L	0.000612	6.45%
Se 203.985†	0.2	0.00043 mg/L	0.001797	0.00043 mg/L	0.001797	421.07%
Sn 189.927†	-0.3	-0.00022 mg/L	0.000400	-0.00022 mg/L	0.000400	180.03%
Sn 235.485†	7.9	0.07223 mg/L	0.012986	0.07223 mg/L	0.012986	17.98%
Sr 407.771†	2717.5	0.01213 mg/L	0.000647	0.01213 mg/L	0.000647	5.33%
Sr 421.552†	3013.9	0.01207 mg/L	0.000686	0.01207 mg/L	0.000686	5.68%
Sr 460.733†	142.6	0.01317 mg/L	0.001680	0.01317 mg/L	0.001680	12.76%
Ti 334.940†	363.1	0.01938 mg/L	0.000622	0.01938 mg/L	0.000622	3.21%
Ti 336.121†	320.1	0.02009 mg/L	0.000956	0.02009 mg/L	0.000956	4.76%
Ti 337.279†	139.8	0.01934 mg/L	0.000352	0.01934 mg/L	0.000352	1.82%
Tl 190.801†	-1.1	-0.00118 mg/L	0.001942	-0.00118 mg/L	0.001942	164.34%
Tl 276.787†	94.0	0.02075 mg/L	0.009538	0.02075 mg/L	0.009538	45.97%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	10.3	0.00395 mg/L	0.001558	0.00395 mg/L	0.001558	39.41%
V 309.310†	12.0	0.00225 mg/L	0.000464	0.00225 mg/L	0.000464	20.60%

V 310.230†	-702.1	-0.00404 mg/L	0.000575	-0.00404 mg/L	0.000575	14.25%
Zn 202.548†	112.2	0.1206 mg/L	0.00312	0.1206 mg/L	0.00312	2.59%
Zn 206.200†	57.5	0.1196 mg/L	0.00470	0.1196 mg/L	0.00470	3.93%
Zn 213.857†	280.2	0.1210 mg/L	0.00381	0.1210 mg/L	0.00381	3.15%

Sequence No.: 39
Sample ID: 2002AH18S03
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 36
Date Collected: 1/3/02 1:09:48 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 2002AH18S03

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	290873.4						12634.12	4.34%
Y 360.073	3993409.8						75160.95	1.88%
Ag 328.068†	172.0	0.00118	mg/L	0.000440	0.00118	mg/L	0.000440	37.26%
Ag 338.289†	149.9	0.00165	mg/L	0.000525	0.00165	mg/L	0.000525	31.89%
Al 308.215†	923.7	1.505	mg/L	0.0689	1.505	mg/L	0.0689	4.58%
Al 394.401†	1221.9	1.579	mg/L	0.0595	1.579	mg/L	0.0595	3.77%
Al 396.153†	5186.0	1.602	mg/L	0.0567	1.602	mg/L	0.0567	3.54%
As 188.979†	-1.0	-0.05128	mg/L	0.031353	-0.05128	mg/L	0.031353	61.13%
As 193.696†	0.2	0.00020	mg/L	0.001818	0.00020	mg/L	0.001818	903.06%
As 197.197†	-0.9	-0.06817	mg/L	0.067615	-0.06817	mg/L	0.067615	99.18%
B 208.889†	58.3	0.4460	mg/L	0.04308	0.4460	mg/L	0.04308	9.66%
B 249.677†	419.9	0.4489	mg/L	0.01577	0.4489	mg/L	0.01577	3.51%
B 249.772†	920.8	0.4545	mg/L	0.02136	0.4545	mg/L	0.02136	4.70%
Ba 233.527†	804.7	0.2837	mg/L	0.01320	0.2837	mg/L	0.01320	4.65%
Ba 455.403†	24981.7	0.2962	mg/L	0.00830	0.2962	mg/L	0.00830	2.80%
Ba 493.408†	46255.9	0.2847	mg/L	0.00812	0.2847	mg/L	0.00812	2.85%
Be 234.861†	-922.8	-0.00231	mg/L	0.000097	-0.00231	mg/L	0.000097	4.21%
Be 313.042†	2.1	0.00003	mg/L	0.000026	0.00003	mg/L	0.000026	83.82%
Be 313.107†	2.1	0.00003	mg/L	0.000026	0.00003	mg/L	0.000026	83.82%
Ca 315.887†	31470.6	10.56	mg/L	0.333	10.56	mg/L	0.333	3.15%
Ca 317.933†	24172.4	10.31	mg/L	0.375	10.31	mg/L	0.375	3.64%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	10.3	0.00027	mg/L	0.000066	0.00027	mg/L	0.000066	24.52%
Cd 228.802†	0.7	0.00031	mg/L	0.000656	0.00031	mg/L	0.000656	211.63%
Ce 413.380†	10.9	0.00699	mg/L	0.005525	0.00699	mg/L	0.005525	79.06%
Ce 413.764†	6.8	0.00410	mg/L	0.004512	0.00410	mg/L	0.004512	110.14%
Ce 418.660†	-15.9	-0.00501	mg/L	0.012472	-0.00501	mg/L	0.012472	248.71%
Co 228.616†	21.0	0.00056	mg/L	0.000073	0.00056	mg/L	0.000073	13.07%
Co 230.786†	1.1	0.00153	mg/L	0.000432	0.00153	mg/L	0.000432	28.20%
Co 238.892†	1.1	0.00116	mg/L	0.000749	0.00116	mg/L	0.000749	64.80%
Cr 205.560†	0.5	0.00334	mg/L	0.001558	0.00334	mg/L	0.001558	46.60%
Cr 267.716†	199.0	0.00711	mg/L	0.000195	0.00711	mg/L	0.000195	2.74%
Cr 283.563†	27.5	0.00805	mg/L	0.000491	0.00805	mg/L	0.000491	6.10%
Cu 224.700†	357.4	0.8616	mg/L	0.03189	0.8616	mg/L	0.03189	3.70%
Cu 324.752†	6454.5	0.8475	mg/L	0.02429	0.8475	mg/L	0.02429	2.87%
Cu 327.393†	56401.6	0.8440	mg/L	0.01341	0.8440	mg/L	0.01341	1.59%
Fe 238.204†	1985.7	0.9076	mg/L	0.04530	0.9076	mg/L	0.04530	4.99%
Fe 239.562†	1506.8	0.9005	mg/L	0.03994	0.9005	mg/L	0.03994	4.43%
Fe 259.939†	3919.7	0.9229	mg/L	0.02574	0.9229	mg/L	0.02574	2.79%
Fe 273.955†	669.4	1.009	mg/L	0.0511	1.009	mg/L	0.0511	5.07%
K 766.490†	1243.1	2.725	mg/L	0.0898	2.725	mg/L	0.0898	3.29%
Li 610.362†	34.5	0.00474	mg/L	0.005985	0.00474	mg/L	0.005985	126.32%
Li 670.784†	-165.4	-0.00312	mg/L	0.000795	-0.00312	mg/L	0.000795	25.51%
Mg 279.077†	1449.2	2.194	mg/L	0.0895	2.194	mg/L	0.0895	4.08%
Mg 280.271†	211086.2	2.121	mg/L	0.0120	2.121	mg/L	0.0120	0.56%
Mg 285.213†	7257.1	2.138	mg/L	0.0660	2.138	mg/L	0.0660	3.09%
Mn 257.610†	671.8	0.03956	mg/L	0.001847	0.03956	mg/L	0.001847	4.67%
Mn 259.372†	1070.7	0.03912	mg/L	0.001669	0.03912	mg/L	0.001669	4.27%
Mn 260.568†	421.6	0.03777	mg/L	0.001823	0.03777	mg/L	0.001823	4.83%
Mo 202.031†	0.3	0.00203	mg/L	0.008664	0.00203	mg/L	0.008664	426.13%
Mo 203.845†	0.4	0.00354	mg/L	0.024323	0.00354	mg/L	0.024323	687.46%
Mo 204.597†	-3.2	-0.00045	mg/L	0.000113	-0.00045	mg/L	0.000113	24.98%
Na 588.995†	262306.0	52.45	mg/L	0.193	52.45	mg/L	0.193	0.37%
Na 589.592†	275644.2	52.46	mg/L	0.168	52.46	mg/L	0.168	0.32%

Ni 221.648†	-11.8	-0.07324 mg/L	0.006191	-0.07324 mg/L	0.006191	8.45%
Ni 231.604†	41.6	0.00280 mg/L	0.000178	0.00280 mg/L	0.000178	6.35%
Ni 232.003†	0.8	0.00252 mg/L	0.000880	0.00252 mg/L	0.000880	34.95%
Pb 217.000†	0.3	0.00619 mg/L	0.009633	0.00619 mg/L	0.009633	155.62%
Pb 220.353†	23.6	0.00873 mg/L	0.000334	0.00873 mg/L	0.000334	3.83%
Sb 206.836†	4.5	0.00207 mg/L	0.000662	0.00207 mg/L	0.000662	31.91%
Sb 217.582†	-0.7	-0.02002 mg/L	0.021261	-0.02002 mg/L	0.021261	106.21%
Se 196.026†	4.5	0.00510 mg/L	0.001040	0.00510 mg/L	0.001040	20.42%
Se 203.985†	-0.3	-0.00058 mg/L	0.002642	-0.00058 mg/L	0.002642	453.80%
Sn 189.927†	0.9	0.00065 mg/L	0.000948	0.00065 mg/L	0.000948	145.06%
Sn 235.485†	7.2	0.06632 mg/L	0.027334	0.06632 mg/L	0.027334	41.21%
Sr 407.771†	2399.8	0.01071 mg/L	0.000243	0.01071 mg/L	0.000243	2.27%
Sr 421.552†	2683.2	0.01075 mg/L	0.000510	0.01075 mg/L	0.000510	4.75%
Sr 460.733†	41.4	0.00382 mg/L	0.002947	0.00382 mg/L	0.002947	77.12%
Ti 334.940†	274.9	0.01467 mg/L	0.000811	0.01467 mg/L	0.000811	5.52%
Ti 336.121†	241.8	0.01517 mg/L	0.000824	0.01517 mg/L	0.000824	5.43%
Ti 337.279†	108.8	0.01505 mg/L	0.001194	0.01505 mg/L	0.001194	7.93%
Tl 190.801†	0.5	0.00047 mg/L	0.000449	0.00047 mg/L	0.000449	94.81%
Tl 276.787†	94.7	0.02092 mg/L	0.005424	0.02092 mg/L	0.005424	25.93%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	5.5	0.00211 mg/L	0.002249	0.00211 mg/L	0.002249	106.36%
V 309.310†	-4.1	-0.00077 mg/L	0.000460	-0.00077 mg/L	0.000460	59.57%
V 310.230†	-914.3	-0.00526 mg/L	0.000645	-0.00526 mg/L	0.000645	12.26%
Zn 202.548†	115.8	0.1193 mg/L	0.00571	0.1193 mg/L	0.00571	4.79%
Zn 206.200†	57.8	0.1202 mg/L	0.00496	0.1202 mg/L	0.00496	4.13%
Zn 213.857†	285.7	0.1230 mg/L	0.00599	0.1230 mg/L	0.00599	4.87%

Sequence No.: 40
Sample ID: 2002AH19S01
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 1/3/02 1:14:22 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 2002AH19S01

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	299423.3						1702.83	0.57%
Y 360.073	3934524.4						6256.22	0.16%
Ag 328.068†	137.8	0.00095	mg/L	0.000313	0.00095	mg/L	0.000313	33.14%
Ag 338.289†	107.2	0.00118	mg/L	0.000267	0.00118	mg/L	0.000267	22.66%
Al 308.215†	852.7	1.389	mg/L	0.0220	1.389	mg/L	0.0220	1.58%
Al 394.401†	1125.7	1.455	mg/L	0.0132	1.455	mg/L	0.0132	0.91%
Al 396.153†	4778.5	1.476	mg/L	0.0121	1.476	mg/L	0.0121	0.82%
As 188.979†	-0.9	-0.04700	mg/L	0.029332	-0.04700	mg/L	0.029332	62.41%
As 193.696†	0.1	0.00016	mg/L	0.003841	0.00016	mg/L	0.003841	>999.9%
As 197.197†	0.0	0.00032	mg/L	0.022724	0.00032	mg/L	0.022724	>999.9%
B 208.889†	56.6	0.4331	mg/L	0.03159	0.4331	mg/L	0.03159	7.29%
B 249.677†	386.4	0.4131	mg/L	0.00480	0.4131	mg/L	0.00480	1.16%
B 249.772†	845.7	0.4174	mg/L	0.00208	0.4174	mg/L	0.00208	0.50%
Ba 233.527†	763.9	0.2693	mg/L	0.00212	0.2693	mg/L	0.00212	0.79%
Ba 455.403†	23782.5	0.2820	mg/L	0.00294	0.2820	mg/L	0.00294	1.04%
Ba 493.408†	44085.4	0.2714	mg/L	0.00362	0.2714	mg/L	0.00362	1.33%
Be 234.861†	-848.5	-0.00213	mg/L	0.000087	-0.00213	mg/L	0.000087	4.11%
Be 313.042†	2.2	0.00003	mg/L	0.000033	0.00003	mg/L	0.000033	99.34%
Be 313.107†	2.2	0.00003	mg/L	0.000033	0.00003	mg/L	0.000033	99.34%
Ca 315.887†	21373.5	7.174	mg/L	0.0566	7.174	mg/L	0.0566	0.79%
Ca 317.933†	16368.9	6.979	mg/L	0.0618	6.979	mg/L	0.0618	0.89%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	37.5	0.00097	mg/L	0.000079	0.00097	mg/L	0.000079	8.16%
Cd 228.802†	3.5	0.00159	mg/L	0.000186	0.00159	mg/L	0.000186	11.70%
Ce 413.380†	13.8	0.00888	mg/L	0.001862	0.00888	mg/L	0.001862	20.96%
Ce 413.764†	-2.9	-0.00171	mg/L	0.003844	-0.00171	mg/L	0.003844	225.18%
Ce 418.660†	5.9	0.00187	mg/L	0.020792	0.00187	mg/L	0.020792	>999.9%
Co 228.616†	31.6	0.00084	mg/L	0.000219	0.00084	mg/L	0.000219	26.12%
Co 230.786†	0.5	0.00067	mg/L	0.000237	0.00067	mg/L	0.000237	35.63%
Co 238.892†	1.2	0.00133	mg/L	0.000361	0.00133	mg/L	0.000361	27.09%
Cr 205.560†	0.7	0.00477	mg/L	0.001702	0.00477	mg/L	0.001702	35.70%
Cr 267.716†	195.9	0.00700	mg/L	0.000107	0.00700	mg/L	0.000107	1.53%

Cr 283.563†	27.1	0.00794	mg/L	0.000629	0.00794	mg/L	0.000629	7.92%
Cu 224.700†	770.1	1.856	mg/L	0.0074	1.856	mg/L	0.0074	0.40%
Cu 324.752†	14026.3	1.842	mg/L	0.0187	1.842	mg/L	0.0187	1.01%
Cu 327.393†	127284.5	1.905	mg/L	0.0018	1.905	mg/L	0.0018	0.09%
Fe 238.204†	1760.9	0.8049	mg/L	0.01053	0.8049	mg/L	0.01053	1.31%
Fe 239.562†	1340.2	0.8010	mg/L	0.00703	0.8010	mg/L	0.00703	0.88%
Fe 259.939†	3467.7	0.8164	mg/L	0.00936	0.8164	mg/L	0.00936	1.15%
Fe 273.955†	595.8	0.8976	mg/L	0.01097	0.8976	mg/L	0.01097	1.22%
K 766.490†	1088.7	2.387	mg/L	0.0404	2.387	mg/L	0.0404	1.69%
Li 610.362†	-33.6	-0.00462	mg/L	0.009431	-0.00462	mg/L	0.009431	204.27%
Li 670.784†	-171.0	-0.00322	mg/L	0.000933	-0.00322	mg/L	0.000933	28.94%
Mg 279.077†	849.0	1.285	mg/L	0.0129	1.285	mg/L	0.0129	1.01%
Mg 280.271†	127713.5	1.283	mg/L	0.0051	1.283	mg/L	0.0051	0.40%
Mg 285.213†	4294.4	1.265	mg/L	0.0135	1.265	mg/L	0.0135	1.07%
Mn 257.610†	474.0	0.02791	mg/L	0.000432	0.02791	mg/L	0.000432	1.55%
Mn 259.372†	768.3	0.02784	mg/L	0.000830	0.02784	mg/L	0.000830	2.98%
Mn 260.568†	300.5	0.02691	mg/L	0.000598	0.02691	mg/L	0.000598	2.22%
Mo 202.031†	1.4	0.00916	mg/L	0.004854	0.00916	mg/L	0.004854	52.97%
Mo 203.845†	-0.6	-0.00567	mg/L	0.011341	-0.00567	mg/L	0.011341	199.92%
Mo 204.597†	1.3	0.00018	mg/L	0.000459	0.00018	mg/L	0.000459	248.80%
Na 588.995†	256263.8	51.24	mg/L	0.423	51.24	mg/L	0.423	0.83%
Na 589.592†	269192.3	51.24	mg/L	0.318	51.24	mg/L	0.318	0.62%
Ni 221.648†	-10.6	-0.06534	mg/L	0.004118	-0.06534	mg/L	0.004118	6.30%
Ni 231.604†	60.8	0.00410	mg/L	0.000108	0.00410	mg/L	0.000108	2.63%
Ni 232.003†	0.5	0.00141	mg/L	0.001717	0.00141	mg/L	0.001717	121.47%
Pb 217.000†	2.2	0.04394	mg/L	0.006627	0.04394	mg/L	0.006627	15.08%
Pb 220.353†	66.6	0.02464	mg/L	0.000223	0.02464	mg/L	0.000223	0.91%
Sb 206.836†	7.9	0.00360	mg/L	0.000295	0.00360	mg/L	0.000295	8.19%
Sb 217.582†	-0.7	-0.02153	mg/L	0.029542	-0.02153	mg/L	0.029542	137.21%
Se 196.026†	8.7	0.00977	mg/L	0.003841	0.00977	mg/L	0.003841	39.32%
Se 203.985†	-1.7	-0.00296	mg/L	0.002923	-0.00296	mg/L	0.002923	98.64%
Sn 189.927†	1.7	0.00127	mg/L	0.000968	0.00127	mg/L	0.000968	76.33%
Sn 235.485†	3.8	0.03464	mg/L	0.015321	0.03464	mg/L	0.015321	44.23%
Sr 407.771†	2093.5	0.00935	mg/L	0.000118	0.00935	mg/L	0.000118	1.26%
Sr 421.552†	2264.2	0.00907	mg/L	0.000278	0.00907	mg/L	0.000278	3.07%
Sr 460.733†	137.8	0.01273	mg/L	0.002023	0.01273	mg/L	0.002023	15.89%
Ti 334.940†	246.4	0.01316	mg/L	0.000180	0.01316	mg/L	0.000180	1.37%
Ti 336.121†	230.8	0.01448	mg/L	0.000408	0.01448	mg/L	0.000408	2.82%
Ti 337.279†	96.4	0.01335	mg/L	0.000270	0.01335	mg/L	0.000270	2.02%
Tl 190.801†	-0.5	-0.00049	mg/L	0.002764	-0.00049	mg/L	0.002764	569.14%
Tl 276.787†	76.3	0.01684	mg/L	0.005779	0.01684	mg/L	0.005779	34.32%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
V 290.880†	-0.2	-0.00008	mg/L	0.000946	-0.00008	mg/L	0.000946	>999.9%
V 309.310†	-2.6	-0.00048	mg/L	0.000606	-0.00048	mg/L	0.000606	125.58%
V 310.230†	-861.9	-0.00496	mg/L	0.000618	-0.00496	mg/L	0.000618	12.47%
Zn 202.548†	165.9	0.1663	mg/L	0.00071	0.1663	mg/L	0.00071	0.43%
Zn 206.200†	79.5	0.1653	mg/L	0.00246	0.1653	mg/L	0.00246	1.49%
Zn 213.857†	389.5	0.1674	mg/L	0.00072	0.1674	mg/L	0.00072	0.43%

Sequence No.: 41
Sample ID: wash
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 1/3/02 1:19:23 PM

Sample Prep Volume:
Data Type: Original

Mean Data: wash

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	304255.3						2540.51	0.83%
Y 360.073	4003001.8						16507.18	0.41%
Ag 328.068†	-13.5	-0.00009	mg/L	0.000139	-0.00009	mg/L	0.000139	150.19%
Ag 338.289†	52.3	0.00057	mg/L	0.000648	0.00057	mg/L	0.000648	112.73%
Al 308.215†	18.4	0.02998	mg/L	0.003898	0.02998	mg/L	0.003898	13.00%
Al 394.401†	12.2	0.01579	mg/L	0.002130	0.01579	mg/L	0.002130	13.49%
Al 396.153†	31.4	0.00957	mg/L	0.003203	0.00957	mg/L	0.003203	33.46%
As 188.979†	-0.6	-0.03153	mg/L	0.031265	-0.03153	mg/L	0.031265	99.15%
As 193.696†	-1.4	-0.00181	mg/L	0.000712	-0.00181	mg/L	0.000712	39.29%
As 197.197†	-0.7	-0.05625	mg/L	0.052484	-0.05625	mg/L	0.052484	93.30%

B 208.889†	-2.9	-0.02211 mg/L	0.009558	-0.02211 mg/L	0.009558	43.23%
B 249.677†	1.3	0.00143 mg/L	0.004156	0.00143 mg/L	0.004156	290.61%
B 249.772†	10.1	0.00497 mg/L	0.001257	0.00497 mg/L	0.001257	25.31%
Ba 233.527†	-0.9	-0.00033 mg/L	0.000264	-0.00033 mg/L	0.000264	79.65%
Ba 455.403†	5.5	0.00007 mg/L	0.000197	0.00007 mg/L	0.000197	300.87%
Ba 493.408†	-91.2	-0.00056 mg/L	0.000215	-0.00056 mg/L	0.000215	38.37%
Be 234.861†	42.2	0.00011 mg/L	0.000010	0.00011 mg/L	0.000010	9.02%
Be 313.042†	-4.7	-0.00007 mg/L	0.000012	-0.00007 mg/L	0.000012	17.37%
Be 313.107†	-4.7	-0.00007 mg/L	0.000012	-0.00007 mg/L	0.000012	17.37%
Ca 315.887†	103.2	0.03465 mg/L	0.004481	0.03465 mg/L	0.004481	12.93%
Ca 317.933†	22.2	0.00946 mg/L	0.005011	0.00946 mg/L	0.005011	52.99%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	-1.6	-0.00004 mg/L	0.000081	-0.00004 mg/L	0.000081	199.34%
Cd 228.802†	0.2	0.00009 mg/L	0.000208	0.00009 mg/L	0.000208	227.04%
Ce 413.380†	7.1	0.00459 mg/L	0.000660	0.00459 mg/L	0.000660	14.38%
Ce 413.764†	4.1	0.00246 mg/L	0.008466	0.00246 mg/L	0.008466	344.60%
Ce 418.660†	13.6	0.00430 mg/L	0.008982	0.00430 mg/L	0.008982	208.96%
Co 228.616†	-4.7	-0.00012 mg/L	0.000222	-0.00012 mg/L	0.000222	178.62%
Co 230.786†	0.9	0.00127 mg/L	0.000414	0.00127 mg/L	0.000414	32.65%
Co 238.892†	-0.8	-0.00087 mg/L	0.001042	-0.00087 mg/L	0.001042	120.07%
Cr 205.560†	-0.5	-0.00368 mg/L	0.003208	-0.00368 mg/L	0.003208	87.17%
Cr 267.716†	-3.2	-0.00011 mg/L	0.000198	-0.00011 mg/L	0.000198	175.46%
Cr 283.563†	0.8	0.00025 mg/L	0.000313	0.00025 mg/L	0.000313	127.41%
Cu 224.700†	1.0	0.00243 mg/L	0.001500	0.00243 mg/L	0.001500	61.74%
Cu 324.752†	-9.7	-0.00127 mg/L	0.000220	-0.00127 mg/L	0.000220	17.30%
Cu 327.393†	-82.9	-0.00124 mg/L	0.000191	-0.00124 mg/L	0.000191	15.36%
Fe 238.204†	12.1	0.00554 mg/L	0.000790	0.00554 mg/L	0.000790	14.25%
Fe 239.562†	9.6	0.00573 mg/L	0.000444	0.00573 mg/L	0.000444	7.74%
Fe 259.939†	23.3	0.00548 mg/L	0.000278	0.00548 mg/L	0.000278	5.08%
Fe 273.955†	3.8	0.00578 mg/L	0.002307	0.00578 mg/L	0.002307	39.92%
K 766.490†	-289.3	-0.6342 mg/L	0.04656	-0.6342 mg/L	0.04656	7.34%
Li 610.362†	61.6	0.00846 mg/L	0.006417	0.00846 mg/L	0.006417	75.83%
Li 670.784†	-307.3	-0.00579 mg/L	0.000887	-0.00579 mg/L	0.000887	15.31%
Mg 279.077†	7.9	0.01193 mg/L	0.004645	0.01193 mg/L	0.004645	38.94%
Mg 280.271†	2046.8	0.02056 mg/L	0.000463	0.02056 mg/L	0.000463	2.25%
Mg 285.213†	71.8	0.02115 mg/L	0.000466	0.02115 mg/L	0.000466	2.20%
Mn 257.610†	-5.6	-0.00033 mg/L	0.000117	-0.00033 mg/L	0.000117	35.43%
Mn 259.372†	-10.3	-0.00042 mg/L	0.000259	-0.00042 mg/L	0.000259	61.54%
Mn 260.568†	-4.0	-0.00036 mg/L	0.000192	-0.00036 mg/L	0.000192	52.98%
Mo 202.031†	0.9	0.00573 mg/L	0.008812	0.00573 mg/L	0.008812	153.70%
Mo 203.845†	0.2	0.00196 mg/L	0.020083	0.00196 mg/L	0.020083	>999.9%
Mo 204.597†	-0.6	-0.00008 mg/L	0.000086	-0.00008 mg/L	0.000086	107.21%
Na 588.995†	384.2	0.07682 mg/L	0.008641	0.07682 mg/L	0.008641	11.25%
Na 589.592†	160.2	0.03049 mg/L	0.005391	0.03049 mg/L	0.005391	17.68%
Ni 221.648†	0.1	0.00055 mg/L	0.005679	0.00055 mg/L	0.005679	>999.9%
Ni 231.604†	-1.1	-0.00007 mg/L	0.000434	-0.00007 mg/L	0.000434	593.63%
Ni 232.003†	1.1	0.00338 mg/L	0.005821	0.00338 mg/L	0.005821	172.42%
Pb 217.000†	-0.1	-0.00159 mg/L	0.009859	-0.00159 mg/L	0.009859	621.83%
Pb 220.353†	-7.0	-0.00259 mg/L	0.000713	-0.00259 mg/L	0.000713	27.56%
Sb 206.836†	3.5	0.00162 mg/L	0.001854	0.00162 mg/L	0.001854	114.56%
Sb 217.582†	-0.2	-0.00657 mg/L	0.014416	-0.00657 mg/L	0.014416	219.50%
Se 196.026†	-2.2	-0.00253 mg/L	0.002960	-0.00253 mg/L	0.002960	117.18%
Se 203.985†	3.4	0.00603 mg/L	0.001254	0.00603 mg/L	0.001254	20.79%
Sn 189.927†	-3.5	-0.00254 mg/L	0.000687	-0.00254 mg/L	0.000687	27.05%
Sn 235.485†	0.5	0.00465 mg/L	0.019089	0.00465 mg/L	0.019089	410.38%
Sr 407.771†	-19.2	-0.00009 mg/L	0.000027	-0.00009 mg/L	0.000027	31.83%
Sr 421.552†	-9.3	-0.00004 mg/L	0.000067	-0.00004 mg/L	0.000067	179.70%
Sr 460.733†	-30.1	-0.00278 mg/L	0.007452	-0.00278 mg/L	0.007452	268.42%
Ti 334.940†	-3.3	-0.00018 mg/L	0.000079	-0.00018 mg/L	0.000079	43.92%
Ti 336.121†	7.3	0.00046 mg/L	0.000997	0.00046 mg/L	0.000997	218.57%
Ti 337.279†	-2.5	-0.00034 mg/L	0.000109	-0.00034 mg/L	0.000109	31.61%
Tl 190.801†	0.7	0.00073 mg/L	0.001236	0.00073 mg/L	0.001236	169.88%
Tl 276.787†	2.6	0.00058 mg/L	0.003504	0.00058 mg/L	0.003504	604.19%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-2.6	-0.00098 mg/L	0.001231	-0.00098 mg/L	0.001231	125.69%
V 309.310†	-4.0	-0.00074 mg/L	0.000242	-0.00074 mg/L	0.000242	32.58%
V 310.230†	-1336.8	-0.00769 mg/L	0.000501	-0.00769 mg/L	0.000501	6.51%
Zn 202.548†	-6.6	-0.00722 mg/L	0.002440	-0.00722 mg/L	0.002440	33.80%
Zn 206.200†	-1.9	-0.00392 mg/L	0.000897	-0.00392 mg/L	0.000897	22.88%
Zn 213.857†	-9.3	-0.00402 mg/L	0.000223	-0.00402 mg/L	0.000223	5.55%

Sequence No.: 42
Sample ID: BLANK
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/3/02 1:25:05 PM
Sample Prep Volume:
Data Type: Original

Mean Data: BLANK

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	300628.5						3435.96	1.14%
Y 360.073	3954393.4						58273.66	1.47%
Ag 328.068†	-46.6	-0.00032	mg/L	0.000265	-0.00032	mg/L	0.000265	82.88%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Ag 338.289†	30.6	0.00034	mg/L	0.000470	0.00034	mg/L	0.000470	139.85%
QC value within limits for Ag 338.289 Recovery = Not calculated								
Al 308.215†	6.9	0.01124	mg/L	0.004078	0.01124	mg/L	0.004078	36.29%
QC value within limits for Al 308.215 Recovery = Not calculated								
Al 394.401†	-3.7	-0.00477	mg/L	0.002902	-0.00477	mg/L	0.002902	60.80%
QC value within limits for Al 394.401 Recovery = Not calculated								
Al 396.153†	-23.9	-0.00762	mg/L	0.003654	-0.00762	mg/L	0.003654	47.94%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-0.7	-0.03375	mg/L	0.071111	-0.03375	mg/L	0.071111	210.73%
QC value within limits for As 188.979 Recovery = Not calculated								
As 193.696†	-2.0	-0.00265	mg/L	0.004067	-0.00265	mg/L	0.004067	153.75%
QC value within limits for As 193.696 Recovery = Not calculated								
As 197.197†	-0.7	-0.05528	mg/L	0.060659	-0.05528	mg/L	0.060659	109.74%
QC value within limits for As 197.197 Recovery = Not calculated								
B 208.889†	-2.0	-0.01557	mg/L	0.005223	-0.01557	mg/L	0.005223	33.55%
QC value within limits for B 208.889 Recovery = Not calculated								
B 249.677†	3.2	0.00342	mg/L	0.003707	0.00342	mg/L	0.003707	108.32%
QC value within limits for B 249.677 Recovery = Not calculated								
B 249.772†	10.8	0.00532	mg/L	0.000215	0.00532	mg/L	0.000215	4.04%
QC value within limits for B 249.772 Recovery = Not calculated								
Ba 233.527†	-0.4	-0.00015	mg/L	0.000491	-0.00015	mg/L	0.000491	322.61%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Ba 455.403†	-7.3	-0.00009	mg/L	0.000059	-0.00009	mg/L	0.000059	67.38%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Ba 493.408†	3.9	0.00002	mg/L	0.000087	0.00002	mg/L	0.000087	362.58%
QC value within limits for Ba 493.408 Recovery = Not calculated								
Be 234.861†	44.4	0.00011	mg/L	0.000042	0.00011	mg/L	0.000042	37.36%
QC value within limits for Be 234.861 Recovery = Not calculated								
Be 313.042†	-3.3	-0.00005	mg/L	0.000029	-0.00005	mg/L	0.000029	59.48%
QC value within limits for Be 313.042 Recovery = Not calculated								
Be 313.107†	-3.3	-0.00005	mg/L	0.000029	-0.00005	mg/L	0.000029	59.48%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	1.7	0.00058	mg/L	0.000698	0.00058	mg/L	0.000698	120.92%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Ca 317.933†	-52.5	-0.02237	mg/L	0.002913	-0.02237	mg/L	0.002913	13.02%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Cd 226.502†	-0.7	-0.00002	mg/L	0.000054	-0.00002	mg/L	0.000054	300.15%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Cd 228.802†	0.9	0.00040	mg/L	0.000711	0.00040	mg/L	0.000711	177.53%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Ce 413.380†	13.9	0.00893	mg/L	0.006064	0.00893	mg/L	0.006064	67.89%
QC value within limits for Ce 413.380 Recovery = Not calculated								
Ce 413.764†	-0.5	-0.00030	mg/L	0.005957	-0.00030	mg/L	0.005957	>999.9%
QC value within limits for Ce 413.764 Recovery = Not calculated								
Ce 418.660†	2.6	0.00081	mg/L	0.007971	0.00081	mg/L	0.007971	988.55%
QC value within limits for Ce 418.660 Recovery = Not calculated								
Co 228.616†	-0.5	-0.00001	mg/L	0.000125	-0.00001	mg/L	0.000125	861.56%
QC value within limits for Co 228.616 Recovery = Not calculated								
Co 230.786†	0.6	0.00090	mg/L	0.002318	0.00090	mg/L	0.002318	257.53%
QC value within limits for Co 230.786 Recovery = Not calculated								
Co 238.892†	-0.8	-0.00086	mg/L	0.000665	-0.00086	mg/L	0.000665	77.68%
QC value within limits for Co 238.892 Recovery = Not calculated								

Cr 205.560†	-0.4	-0.00239 mg/L	0.002730	-0.00239 mg/L	0.002730	114.13%
QC value within limits for Cr 205.560 Recovery = Not calculated						
Cr 267.716†	-1.9	-0.00007 mg/L	0.000128	-0.00007 mg/L	0.000128	186.84%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cr 283.563†	0.4	0.00010 mg/L	0.000609	0.00010 mg/L	0.000609	592.21%
QC value within limits for Cr 283.563 Recovery = Not calculated						
Cu 224.700†	0.7	0.00158 mg/L	0.003844	0.00158 mg/L	0.003844	243.80%
QC value within limits for Cu 224.700 Recovery = Not calculated						
Cu 324.752†	1.8	0.00024 mg/L	0.000398	0.00024 mg/L	0.000398	168.44%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Cu 327.393†	51.4	0.00077 mg/L	0.000491	0.00077 mg/L	0.000491	63.75%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	-8.4	-0.00383 mg/L	0.000494	-0.00383 mg/L	0.000494	12.90%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Fe 239.562†	-7.1	-0.00422 mg/L	0.000855	-0.00422 mg/L	0.000855	20.28%
QC value within limits for Fe 239.562 Recovery = Not calculated						
Fe 259.939†	-17.9	-0.00421 mg/L	0.000319	-0.00421 mg/L	0.000319	7.58%
QC value within limits for Fe 259.939 Recovery = Not calculated						
Fe 273.955†	-2.4	-0.00360 mg/L	0.001147	-0.00360 mg/L	0.001147	31.87%
QC value within limits for Fe 273.955 Recovery = Not calculated						
K 766.490†	-67.8	-0.1486 mg/L	0.02174	-0.1486 mg/L	0.02174	14.63%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 610.362†	24.7	0.00339 mg/L	0.007495	0.00339 mg/L	0.007495	221.27%
QC value within limits for Li 610.362 Recovery = Not calculated						
Li 670.784†	-76.6	-0.00144 mg/L	0.000809	-0.00144 mg/L	0.000809	56.03%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	-14.8	-0.02238 mg/L	0.004038	-0.02238 mg/L	0.004038	18.04%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Mg 280.271†	-444.2	-0.00446 mg/L	0.000433	-0.00446 mg/L	0.000433	9.70%
QC value within limits for Mg 280.271 Recovery = Not calculated						
Mg 285.213†	-13.3	-0.00392 mg/L	0.000611	-0.00392 mg/L	0.000611	15.58%
QC value within limits for Mg 285.213 Recovery = Not calculated						
Mn 257.610†	-2.3	-0.00014 mg/L	0.000041	-0.00014 mg/L	0.000041	30.66%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mn 259.372†	-0.9	-0.00006 mg/L	0.000236	-0.00006 mg/L	0.000236	376.68%
QC value within limits for Mn 259.372 Recovery = Not calculated						
Mn 260.568†	-2.6	-0.00023 mg/L	0.000084	-0.00023 mg/L	0.000084	36.67%
QC value within limits for Mn 260.568 Recovery = Not calculated						
Mo 202.031†	1.1	0.00708 mg/L	0.005106	0.00708 mg/L	0.005106	72.06%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Mo 203.845†	-0.8	-0.00815 mg/L	0.009017	-0.00815 mg/L	0.009017	110.70%
QC value within limits for Mo 203.845 Recovery = Not calculated						
Mo 204.597†	-2.5	-0.00035 mg/L	0.000350	-0.00035 mg/L	0.000350	100.12%
QC value within limits for Mo 204.597 Recovery = Not calculated						
Na 588.995†	934.8	0.1869 mg/L	0.02949	0.1869 mg/L	0.02949	15.77%
QC value within limits for Na 588.995 Recovery = Not calculated						
Na 589.592†	924.7	0.1760 mg/L	0.03633	0.1760 mg/L	0.03633	20.64%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 221.648†	0.3	0.00210 mg/L	0.002993	0.00210 mg/L	0.002993	142.57%
QC value within limits for Ni 221.648 Recovery = Not calculated						
Ni 231.604†	-1.5	-0.00010 mg/L	0.000307	-0.00010 mg/L	0.000307	308.95%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Ni 232.003†	1.3	0.00410 mg/L	0.003674	0.00410 mg/L	0.003674	89.56%
QC value within limits for Ni 232.003 Recovery = Not calculated						
Pb 217.000†	0.1	0.00111 mg/L	0.007241	0.00111 mg/L	0.007241	649.56%
QC value within limits for Pb 217.000 Recovery = Not calculated						
Pb 220.353†	-2.2	-0.00080 mg/L	0.001058	-0.00080 mg/L	0.001058	132.13%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-0.6	-0.00027 mg/L	0.001495	-0.00027 mg/L	0.001495	553.43%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Sb 217.582†	0.3	0.00845 mg/L	0.011279	0.00845 mg/L	0.011279	133.50%
QC value within limits for Sb 217.582 Recovery = Not calculated						
Se 196.026†	-0.8	-0.00085 mg/L	0.001384	-0.00085 mg/L	0.001384	163.26%
QC value within limits for Se 196.026 Recovery = Not calculated						
Se 203.985†	1.3	0.00233 mg/L	0.001749	0.00233 mg/L	0.001749	75.16%
QC value within limits for Se 203.985 Recovery = Not calculated						
Sn 189.927†	-2.4	-0.00175 mg/L	0.000475	-0.00175 mg/L	0.000475	27.18%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sn 235.485†	1.2	0.01085 mg/L	0.002311	0.01085 mg/L	0.002311	21.30%
QC value within limits for Sn 235.485 Recovery = Not calculated						

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Sr 407.771†              -5.6    -0.00002 mg/L      0.000069    -0.00002 mg/L      0.000069 277.96%
   QC value within limits for Sr 407.771  Recovery = Not calculated
Sr 421.552†              12.3     0.00005 mg/L      0.000013     0.00005 mg/L      0.000013  26.96%
   QC value within limits for Sr 421.552  Recovery = Not calculated
Sr 460.733†             -39.8    -0.00367 mg/L      0.004046    -0.00367 mg/L      0.004046 110.13%
   QC value within limits for Sr 460.733  Recovery = Not calculated
Ti 334.940†              -3.5    -0.00019 mg/L      0.000140    -0.00019 mg/L      0.000140  74.80%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Ti 336.121†              13.3     0.00083 mg/L      0.000743     0.00083 mg/L      0.000743  89.23%
   QC value within limits for Ti 336.121  Recovery = Not calculated
Ti 337.279†              -1.6    -0.00022 mg/L      0.000339    -0.00022 mg/L      0.000339 153.29%
   QC value within limits for Ti 337.279  Recovery = Not calculated
Tl 190.801†              -1.7    -0.00177 mg/L      0.000785    -0.00177 mg/L      0.000785  44.34%
   QC value within limits for Tl 190.801  Recovery = Not calculated
Tl 276.787†              -2.9    -0.00064 mg/L      0.001561    -0.00064 mg/L      0.001561 245.19%
   QC value within limits for Tl 276.787  Recovery = Not calculated
Tl 351.924†               0.0     0.00000 mg/L      0.000000     0.00000 mg/L      0.000000   0.00%
   QC value within limits for Tl 351.924  Recovery = Not calculated
V 290.880†               -2.4    -0.00090 mg/L      0.001198    -0.00090 mg/L      0.001198 133.00%
   QC value within limits for V 290.880  Recovery = Not calculated
V 309.310†               -0.7    -0.00014 mg/L      0.000325    -0.00014 mg/L      0.000325 236.54%
   QC value within limits for V 309.310  Recovery = Not calculated
V 310.230†            -1122.1    -0.00645 mg/L      0.000810    -0.00645 mg/L      0.000810  12.56%
   QC value within limits for V 310.230  Recovery = Not calculated
Zn 202.548†              -0.9    -0.00104 mg/L      0.001599    -0.00104 mg/L      0.001599 153.36%
   QC value within limits for Zn 202.548  Recovery = Not calculated
Zn 206.200†              -0.5    -0.00103 mg/L      0.000624    -0.00103 mg/L      0.000624  60.79%
   QC value within limits for Zn 206.200  Recovery = Not calculated
Zn 213.857†              -5.4    -0.00235 mg/L      0.000791    -0.00235 mg/L      0.000791  33.67%
   QC value within limits for Zn 213.857  Recovery = Not calculated
All analytes passed QC.
```

Sequence No.: 43
Sample ID: LCM1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/3/02 1:30:37 PM
Sample Prep Volume:
Data Type: Original

Mean Data: LCM1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	295486.3						2124.00	0.72%
Y 360.073	3969899.4						33826.49	0.85%
Ag 328.068†	32373.1	0.2222	mg/L	0.00308	0.2222	mg/L	0.00308	1.39%
Ag 338.289†	20122.9	0.2211	mg/L	0.00496	0.2211	mg/L	0.00496	2.24%
Al 308.215†	589.5	0.9604	mg/L	0.00795	0.9604	mg/L	0.00795	0.83%
QC value within limits for Al 308.215 Recovery = 96.04%								
Al 394.401†	783.1	1.012	mg/L	0.0102	1.012	mg/L	0.0102	1.01%
QC value within limits for Al 394.401 Recovery = 101.22%								
Al 396.153†	3352.3	1.033	mg/L	0.0245	1.033	mg/L	0.0245	2.37%
QC value within limits for Al 396.153 Recovery = 103.32%								
As 188.979†	39.8	1.992	mg/L	0.0635	1.992	mg/L	0.0635	3.19%
QC value within limits for As 188.979 Recovery = 99.61%								
As 193.696†	1518.3	2.012	mg/L	0.0040	2.012	mg/L	0.0040	0.20%
QC value within limits for As 193.696 Recovery = 100.58%								
As 197.197†	25.3	1.982	mg/L	0.0878	1.982	mg/L	0.0878	4.43%
QC value within limits for As 197.197 Recovery = 99.12%								
B 208.889†	125.3	0.9590	mg/L	0.00455	0.9590	mg/L	0.00455	0.47%
QC value within limits for B 208.889 Recovery = 95.90%								
B 249.677†	880.6	0.9414	mg/L	0.00811	0.9414	mg/L	0.00811	0.86%
QC value within limits for B 249.677 Recovery = 94.14%								
B 249.772†	1909.5	0.9425	mg/L	0.00880	0.9425	mg/L	0.00880	0.93%
QC value within limits for B 249.772 Recovery = 94.25%								
Ba 233.527†	2814.2	0.9920	mg/L	0.02454	0.9920	mg/L	0.02454	2.47%
QC value within limits for Ba 233.527 Recovery = 99.20%								
Ba 455.403†	86053.5	1.020	mg/L	0.0060	1.020	mg/L	0.0060	0.59%
QC value within limits for Ba 455.403 Recovery = 102.04%								
Ba 493.408†	160318.3	0.9869	mg/L	0.00646	0.9869	mg/L	0.00646	0.66%

QC value within limits for Ba 493.408 Recovery = 98.69%

Be 234.861†	412177.0	1.034 mg/L	0.0126	1.034 mg/L	0.0126	1.22%
QC value within limits for Be 234.861 Recovery = 103.38%						
Be 313.042†	63006.7	0.9435 mg/L	0.00395	0.9435 mg/L	0.00395	0.42%
QC value within limits for Be 313.042 Recovery = 94.35%						
Be 313.107†	63006.7	0.9435 mg/L	0.00395	0.9435 mg/L	0.00395	0.42%
QC value within limits for Be 313.107 Recovery = 94.35%						
Ca 315.887†	3094.6	1.039 mg/L	0.0054	1.039 mg/L	0.0054	0.52%
QC value within limits for Ca 315.887 Recovery = 103.87%						
Ca 317.933†	2332.3	0.9944 mg/L	0.01594	0.9944 mg/L	0.01594	1.60%
QC value within limits for Ca 317.933 Recovery = 99.44%						
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
QC value less than the lower limit for Cd 214.440 Recovery = 0.00%						
Cd 226.502†	37704.9	0.9768 mg/L	0.01094	0.9768 mg/L	0.01094	1.12%
QC value within limits for Cd 226.502 Recovery = 97.68%						
Cd 228.802†	2118.0	0.9711 mg/L	0.00582	0.9711 mg/L	0.00582	0.60%
QC value within limits for Cd 228.802 Recovery = 97.11%						
Ce 413.380†	1558.0	1.001 mg/L	0.0247	1.001 mg/L	0.0247	2.47%
QC value within limits for Ce 413.380 Recovery = 100.07%						
Ce 413.764†	1681.7	1.007 mg/L	0.0260	1.007 mg/L	0.0260	2.58%
QC value within limits for Ce 413.764 Recovery = 100.71%						
Ce 418.660†	3187.5	1.005 mg/L	0.0417	1.005 mg/L	0.0417	4.15%
QC value within limits for Ce 418.660 Recovery = 100.54%						
Co 228.616†	36254.6	0.9634 mg/L	0.01632	0.9634 mg/L	0.01632	1.69%
QC value within limits for Co 228.616 Recovery = 96.34%						
Co 230.786†	671.5	0.9580 mg/L	0.00815	0.9580 mg/L	0.00815	0.85%
QC value within limits for Co 230.786 Recovery = 95.80%						
Co 238.892†	881.6	0.9545 mg/L	0.00800	0.9545 mg/L	0.00800	0.84%
QC value within limits for Co 238.892 Recovery = 95.45%						
Cr 205.560†	145.9	0.9815 mg/L	0.00779	0.9815 mg/L	0.00779	0.79%
QC value within limits for Cr 205.560 Recovery = 98.15%						
Cr 267.716†	27761.6	0.9926 mg/L	0.01470	0.9926 mg/L	0.01470	1.48%
QC value within limits for Cr 267.716 Recovery = 99.26%						
Cr 283.563†	3552.4	1.042 mg/L	0.0391	1.042 mg/L	0.0391	3.75%
QC value within limits for Cr 283.563 Recovery = 104.21%						
Cu 224.700†	401.9	0.9688 mg/L	0.01056	0.9688 mg/L	0.01056	1.09%
QC value within limits for Cu 224.700 Recovery = 96.88%						
Cu 324.752†	7346.9	0.9647 mg/L	0.02762	0.9647 mg/L	0.02762	2.86%
QC value within limits for Cu 324.752 Recovery = 96.47%						
Cu 327.393†	64097.2	0.9592 mg/L	0.01730	0.9592 mg/L	0.01730	1.80%
QC value within limits for Cu 327.393 Recovery = 95.92%						
Fe 238.204†	2070.3	0.9463 mg/L	0.00662	0.9463 mg/L	0.00662	0.70%
QC value within limits for Fe 238.204 Recovery = 94.63%						
Fe 239.562†	1580.2	0.9444 mg/L	0.01066	0.9444 mg/L	0.01066	1.13%
QC value within limits for Fe 239.562 Recovery = 94.44%						
Fe 259.939†	4050.8	0.9537 mg/L	0.02589	0.9537 mg/L	0.02589	2.72%
QC value within limits for Fe 259.939 Recovery = 95.37%						
Fe 273.955†	700.8	1.056 mg/L	0.0089	1.056 mg/L	0.0089	0.84%
QC value within limits for Fe 273.955 Recovery = 105.58%						
K 766.490†	2890.1	6.336 mg/L	0.1701	6.336 mg/L	0.1701	2.68%
QC value greater than the upper limit for K 766.490 Recovery = 126.72%						
Li 610.362†	7309.8	1.004 mg/L	0.0313	1.004 mg/L	0.0313	3.12%
QC value within limits for Li 610.362 Recovery = 100.40%						
Li 670.784†	52162.8	0.9832 mg/L	0.02687	0.9832 mg/L	0.02687	2.73%
QC value within limits for Li 670.784 Recovery = 98.32%						
Mg 279.077†	650.2	0.9842 mg/L	0.01079	0.9842 mg/L	0.01079	1.10%
QC value within limits for Mg 279.077 Recovery = 98.42%						
Mg 280.271†	96754.1	0.9721 mg/L	0.00384	0.9721 mg/L	0.00384	0.39%
QC value within limits for Mg 280.271 Recovery = 97.21%						
Mg 285.213†	3254.4	0.9587 mg/L	0.02289	0.9587 mg/L	0.02289	2.39%
QC value within limits for Mg 285.213 Recovery = 95.87%						
Mn 257.610†	16950.9	0.9981 mg/L	0.02366	0.9981 mg/L	0.02366	2.37%
QC value within limits for Mn 257.610 Recovery = 99.81%						
Mn 259.372†	26513.2	0.9895 mg/L	0.02190	0.9895 mg/L	0.02190	2.21%
QC value within limits for Mn 259.372 Recovery = 98.95%						
Mn 260.568†	10765.3	0.9642 mg/L	0.01970	0.9642 mg/L	0.01970	2.04%
QC value within limits for Mn 260.568 Recovery = 96.42%						
Mo 202.031†	135.3	0.8644 mg/L	0.02483	0.8644 mg/L	0.02483	2.87%
QC value less than the lower limit for Mo 202.031 Recovery = 86.44%						
Mo 203.845†	86.0	0.8687 mg/L	0.02275	0.8687 mg/L	0.02275	2.62%

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   QC value less than the lower limit for Mo 203.845  Recovery = 86.87%
Mo 204.597†            6201.4      0.8622 mg/L      0.01149      0.8622 mg/L      0.01149   1.33%
   QC value less than the lower limit for Mo 204.597  Recovery = 86.22%
Na 588.995†            5186.1      1.037 mg/L       0.0097       1.037 mg/L       0.0097    0.93%
Na 589.592†            5311.8      1.011 mg/L       0.0254       1.011 mg/L       0.0254    2.51%
Ni 221.648†             149.2      0.9227 mg/L      0.00663      0.9227 mg/L      0.00663   0.72%
   QC value within limits for Ni 221.648  Recovery = 92.27%
Ni 231.604†           14842.5      0.9994 mg/L      0.01333      0.9994 mg/L      0.01333   1.33%
   QC value within limits for Ni 231.604  Recovery = 99.94%
Ni 232.003†             307.3      0.9520 mg/L      0.01049      0.9520 mg/L      0.01049   1.10%
   QC value within limits for Ni 232.003  Recovery = 95.20%
Pb 217.000†              96.2      1.893 mg/L       0.0210       1.893 mg/L       0.0210    1.11%
   QC value within limits for Pb 217.000  Recovery = 94.67%
Pb 220.353†            5314.3      1.965 mg/L       0.0285       1.965 mg/L       0.0285    1.45%
   QC value within limits for Pb 220.353  Recovery = 98.26%
Sb 206.836†            4019.2      1.833 mg/L       0.0152       1.833 mg/L       0.0152    0.83%
   QC value within limits for Sb 206.836  Recovery = 91.66%
Sb 217.582†              59.6      1.769 mg/L       0.0339       1.769 mg/L       0.0339    1.92%
   QC value less than the lower limit for Sb 217.582  Recovery = 88.43%
Se 196.026†             912.9      1.027 mg/L       0.0085       1.027 mg/L       0.0085    0.83%
   QC value within limits for Se 196.026  Recovery = 102.74%
Se 203.985†             594.7      1.046 mg/L       0.0066       1.046 mg/L       0.0066    0.63%
   QC value within limits for Se 203.985  Recovery = 104.62%
Sn 189.927†            6170.4      4.541 mg/L       0.0402       4.541 mg/L       0.0402    0.89%
   QC value within limits for Sn 189.927  Recovery = 90.81%
Sn 235.485†             493.7      4.523 mg/L       0.0425       4.523 mg/L       0.0425    0.94%
   QC value within limits for Sn 235.485  Recovery = 90.46%
Sr 407.771†          231199.3      1.032 mg/L       0.0064       1.032 mg/L       0.0064    0.62%
   QC value within limits for Sr 407.771  Recovery = 103.21%
Sr 421.552†          253369.9      1.015 mg/L       0.0064       1.015 mg/L       0.0064    0.63%
   QC value within limits for Sr 421.552  Recovery = 101.49%
Sr 460.733†           10911.4      1.008 mg/L       0.0238       1.008 mg/L       0.0238    2.36%
   QC value within limits for Sr 460.733  Recovery = 100.78%
Ti 334.940†           16595.5      0.8860 mg/L      0.02462      0.8860 mg/L      0.02462   2.78%
   QC value less than the lower limit for Ti 334.940  Recovery = 88.60%
Ti 336.121†           14122.8      0.8862 mg/L      0.02202      0.8862 mg/L      0.02202   2.49%
   QC value less than the lower limit for Ti 336.121  Recovery = 88.62%
Ti 337.279†            6328.0      0.8757 mg/L      0.02714      0.8757 mg/L      0.02714   3.10%
   QC value less than the lower limit for Ti 337.279  Recovery = 87.57%
Tl 190.801†            4463.0      4.694 mg/L       0.0236       4.694 mg/L       0.0236    0.50%
   QC value within limits for Tl 190.801  Recovery = 93.88%
Tl 276.787†           20329.5      4.489 mg/L       0.0760       4.489 mg/L       0.0760    1.69%
   QC value less than the lower limit for Tl 276.787  Recovery = 89.79%
Tl 351.924†               0.0      0.00000 mg/L     0.000000     0.00000 mg/L     0.000000  0.00%
   QC value less than the lower limit for Tl 351.924  Recovery = 0.00%
V 290.880†             2519.3      0.9630 mg/L      0.02044      0.9630 mg/L      0.02044   2.12%
   QC value within limits for V 290.880  Recovery = 96.30%
V 309.310†             5241.3      0.9803 mg/L      0.02741      0.9803 mg/L      0.02741   2.80%
   QC value within limits for V 309.310  Recovery = 98.03%
V 310.230†           169436.1      0.9744 mg/L      0.01324      0.9744 mg/L      0.01324   1.36%
   QC value within limits for V 310.230  Recovery = 97.44%
Zn 202.548†             897.2      0.9663 mg/L      0.00126      0.9663 mg/L      0.00126   0.13%
   QC value within limits for Zn 202.548  Recovery = 96.63%
Zn 206.200†             465.0      0.9669 mg/L      0.00587      0.9669 mg/L      0.00587   0.61%
   QC value within limits for Zn 206.200  Recovery = 96.69%
Zn 213.857†            2238.3      0.9627 mg/L      0.00699      0.9627 mg/L      0.00699   0.73%
   QC value within limits for Zn 213.857  Recovery = 96.27%
QC Failed.  Continue with analysis.
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Sequence No.: 44
Sample ID: LCM2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 1/3/02 1:35:34 PM
Sample Prep Volume:
Data Type: Original

Mean Data: LCM2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Y 371.029	293265.3				2709.52	0.92%
Y 360.073	3965424.0				8090.65	0.20%
Ag 328.068†	9217.5	0.06326 mg/L	0.000612	0.06326 mg/L	0.000612	0.97%
QC value greater than the upper limit for Ag 328.068 Recovery = 126.52%						
Ag 338.289†	5791.3	0.06364 mg/L	0.000612	0.06364 mg/L	0.000612	0.96%
QC value greater than the upper limit for Ag 338.289 Recovery = 127.27%						
Al 308.215†	8.0	0.01305 mg/L	0.006082	0.01305 mg/L	0.006082	46.59%
Al 394.401†	4.7	0.00602 mg/L	0.002366	0.00602 mg/L	0.002366	39.28%
Al 396.153†	8.0	0.00254 mg/L	0.000419	0.00254 mg/L	0.000419	16.46%
As 188.979†	0.3	0.01533 mg/L	0.043367	0.01533 mg/L	0.043367	282.90%
As 193.696†	-1.6	-0.00210 mg/L	0.002364	-0.00210 mg/L	0.002364	112.33%
As 197.197†	-0.1	-0.00796 mg/L	0.019064	-0.00796 mg/L	0.019064	239.59%
B 208.889†	-0.6	-0.00426 mg/L	0.014520	-0.00426 mg/L	0.014520	340.61%
B 249.677†	14.3	0.01524 mg/L	0.004706	0.01524 mg/L	0.004706	30.89%
B 249.772†	37.9	0.01871 mg/L	0.001793	0.01871 mg/L	0.001793	9.58%
Ba 233.527†	0.4	0.00016 mg/L	0.000150	0.00016 mg/L	0.000150	95.08%
Ba 455.403†	32.5	0.00039 mg/L	0.000103	0.00039 mg/L	0.000103	26.82%
Ba 493.408†	63.5	0.00039 mg/L	0.000181	0.00039 mg/L	0.000181	46.35%
Be 234.861†	68.4	0.00017 mg/L	0.000006	0.00017 mg/L	0.000006	3.41%
Be 313.042†	2.5	0.00004 mg/L	0.000072	0.00004 mg/L	0.000072	192.78%
Be 313.107†	2.5	0.00004 mg/L	0.000072	0.00004 mg/L	0.000072	192.78%
Ca 315.887†	87.2	0.02927 mg/L	0.006141	0.02927 mg/L	0.006141	20.98%
Ca 317.933†	23.4	0.00999 mg/L	0.000786	0.00999 mg/L	0.000786	7.87%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	8.3	0.00022 mg/L	0.000062	0.00022 mg/L	0.000062	28.88%
Cd 228.802†	1.0	0.00047 mg/L	0.000179	0.00047 mg/L	0.000179	38.03%
Ce 413.380†	5.6	0.00357 mg/L	0.003467	0.00357 mg/L	0.003467	97.10%
Ce 413.764†	-2.1	-0.00125 mg/L	0.002256	-0.00125 mg/L	0.002256	180.54%
Ce 418.660†	-8.3	-0.00262 mg/L	0.009820	-0.00262 mg/L	0.009820	374.75%
Co 228.616†	-0.2	-0.00001 mg/L	0.000237	-0.00001 mg/L	0.000237	>999.9%
Co 230.786†	0.7	0.00101 mg/L	0.001388	0.00101 mg/L	0.001388	137.78%
Co 238.892†	-0.5	-0.00059 mg/L	0.001841	-0.00059 mg/L	0.001841	312.89%
Cr 205.560†	-0.6	-0.00386 mg/L	0.001223	-0.00386 mg/L	0.001223	31.65%
Cr 267.716†	2.7	0.00010 mg/L	0.000069	0.00010 mg/L	0.000069	70.74%
Cr 283.563†	-0.7	-0.00022 mg/L	0.000995	-0.00022 mg/L	0.000995	455.29%
Cu 224.700†	1.6	0.00387 mg/L	0.001705	0.00387 mg/L	0.001705	44.09%
Cu 324.752†	2.9	0.00038 mg/L	0.000151	0.00038 mg/L	0.000151	39.30%
Cu 327.393†	45.2	0.00068 mg/L	0.000270	0.00068 mg/L	0.000270	39.90%
Fe 238.204†	-0.9	-0.00043 mg/L	0.000608	-0.00043 mg/L	0.000608	142.08%
Fe 239.562†	-0.3	-0.00016 mg/L	0.000099	-0.00016 mg/L	0.000099	63.39%
Fe 259.939†	-0.8	-0.00019 mg/L	0.000433	-0.00019 mg/L	0.000433	225.51%
Fe 273.955†	0.4	0.00065 mg/L	0.000840	0.00065 mg/L	0.000840	128.51%
K 766.490†	-147.1	-0.3224 mg/L	0.01443	-0.3224 mg/L	0.01443	4.47%
Li 610.362†	74.3	0.01020 mg/L	0.007777	0.01020 mg/L	0.007777	76.21%
Li 670.784†	-32.7	-0.00062 mg/L	0.001487	-0.00062 mg/L	0.001487	240.95%
Mg 279.077†	0.0	0.00000 mg/L	0.011697	0.00000 mg/L	0.011697	>999.9%
Mg 280.271†	157.7	0.00158 mg/L	0.000641	0.00158 mg/L	0.000641	40.43%
Mg 285.213†	8.8	0.00258 mg/L	0.000513	0.00258 mg/L	0.000513	19.84%
Mn 257.610†	1.4	0.00008 mg/L	0.000140	0.00008 mg/L	0.000140	172.06%
Mn 259.372†	7.7	0.00031 mg/L	0.000053	0.00031 mg/L	0.000053	17.51%
Mn 260.568†	-0.4	-0.00004 mg/L	0.000214	-0.00004 mg/L	0.000214	546.83%
Mo 202.031†	-0.6	-0.00352 mg/L	0.004716	-0.00352 mg/L	0.004716	134.08%
Mo 203.845†	0.0	0.00032 mg/L	0.013746	0.00032 mg/L	0.013746	>999.9%
Mo 204.597†	0.1	0.00002 mg/L	0.000493	0.00002 mg/L	0.000493	>999.9%
Na 588.995†	158.6	0.03172 mg/L	0.014851	0.03172 mg/L	0.014851	46.81%
Na 589.592†	68.8	0.01309 mg/L	0.012145	0.01309 mg/L	0.012145	92.79%
Ni 221.648†	-0.6	-0.00355 mg/L	0.001456	-0.00355 mg/L	0.001456	41.05%
Ni 231.604†	4.4	0.00030 mg/L	0.000162	0.00030 mg/L	0.000162	54.59%
Ni 232.003†	0.6	0.00186 mg/L	0.001075	0.00186 mg/L	0.001075	57.88%
Pb 217.000†	0.7	0.01294 mg/L	0.019795	0.01294 mg/L	0.019795	153.02%
Pb 220.353†	3.7	0.00135 mg/L	0.000771	0.00135 mg/L	0.000771	57.03%
Sb 206.836†	3.7	0.00169 mg/L	0.000574	0.00169 mg/L	0.000574	33.99%
Sb 217.582†	-0.6	-0.01719 mg/L	0.011859	-0.01719 mg/L	0.011859	68.98%
Se 196.026†	-1.1	-0.00124 mg/L	0.000586	-0.00124 mg/L	0.000586	47.34%
Se 203.985†	1.7	0.00295 mg/L	0.002774	0.00295 mg/L	0.002774	94.13%
Sn 189.927†	15.9	0.01170 mg/L	0.001400	0.01170 mg/L	0.001400	11.96%
Sn 235.485†	5.2	0.04775 mg/L	0.020331	0.04775 mg/L	0.020331	42.58%
Sr 407.771†	38.8	0.00017 mg/L	0.000076	0.00017 mg/L	0.000076	43.91%
Sr 421.552†	87.8	0.00035 mg/L	0.000047	0.00035 mg/L	0.000047	13.33%
Sr 460.733†	56.6	0.00523 mg/L	0.007620	0.00523 mg/L	0.007620	145.75%

Ti 334.940†	7.1	0.00038 mg/L	0.000095	0.00038 mg/L	0.000095	24.93%
Ti 336.121†	19.1	0.00120 mg/L	0.000940	0.00120 mg/L	0.000940	78.37%
Ti 337.279†	7.1	0.00098 mg/L	0.000101	0.00098 mg/L	0.000101	10.22%
Tl 190.801†	3.4	0.00359 mg/L	0.000645	0.00359 mg/L	0.000645	17.96%
Tl 276.787†	6.2	0.00138 mg/L	0.000823	0.00138 mg/L	0.000823	59.86%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	0.9	0.00033 mg/L	0.000733	0.00033 mg/L	0.000733	224.04%
V 309.310†	-1.3	-0.00025 mg/L	0.000228	-0.00025 mg/L	0.000228	91.85%
V 310.230†	-966.9	-0.00556 mg/L	0.000744	-0.00556 mg/L	0.000744	13.37%
Zn 202.548†	1.6	0.00170 mg/L	0.000783	0.00170 mg/L	0.000783	46.06%
Zn 206.200†	1.9	0.00388 mg/L	0.000973	0.00388 mg/L	0.000973	25.07%
Zn 213.857†	7.8	0.00337 mg/L	0.000637	0.00337 mg/L	0.000637	18.93%

QC Failed. Continue with analysis.

Sequence No.: 45
Sample ID: Hi AQC
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 1/3/02 1:40:02 PM
Sample Prep Volume:
Data Type: Original

Mean Data: Hi AQC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	296126.3						2319.40	0.78%
Y 360.073	3896189.9						50463.27	1.30%
Ag 328.068†	-98.4	-0.00068	mg/L	0.000232	-0.00068	mg/L	0.000232	34.27%
Ag 338.289†	152.0	0.00167	mg/L	0.000236	0.00167	mg/L	0.000236	14.13%
Al 308.215†	56509.9	92.06	mg/L	0.694	92.06	mg/L	0.694	0.75%
QC value within limits for Al 308.215 Recovery = 92.06%								
Al 394.401†	75895.9	98.10	mg/L	0.597	98.10	mg/L	0.597	0.61%
Al 396.153†	315819.2	97.56	mg/L	0.724	97.56	mg/L	0.724	0.74%
As 188.979†	0.8	0.04229	mg/L	0.031669	0.04229	mg/L	0.031669	74.88%
As 193.696†	3.9	0.00523	mg/L	0.004886	0.00523	mg/L	0.004886	93.44%
As 197.197†	-0.4	-0.03309	mg/L	0.058643	-0.03309	mg/L	0.058643	177.23%
B 208.889†	-0.8	-0.00605	mg/L	0.009281	-0.00605	mg/L	0.009281	153.45%
B 249.677†	7.1	0.00759	mg/L	0.001216	0.00759	mg/L	0.001216	16.03%
B 249.772†	298.6	0.1474	mg/L	0.00066	0.1474	mg/L	0.00066	0.45%
Ba 233.527†	0.9	0.00033	mg/L	0.000390	0.00033	mg/L	0.000390	118.77%
Ba 455.403†	13.3	0.00016	mg/L	0.000046	0.00016	mg/L	0.000046	29.03%
Ba 493.408†	130.9	0.00081	mg/L	0.000290	0.00081	mg/L	0.000290	36.03%
Be 234.861†	-95584.9	-0.2397	mg/L	0.00482	-0.2397	mg/L	0.00482	2.01%
Be 313.042†	13.0	0.00019	mg/L	0.000031	0.00019	mg/L	0.000031	16.13%
Be 313.107†	13.0	0.00019	mg/L	0.000031	0.00019	mg/L	0.000031	16.13%
Ca 315.887†	289671.4	97.22	mg/L	0.682	97.22	mg/L	0.682	0.70%
QC value within limits for Ca 315.887 Recovery = 97.22%								
Ca 317.933†	221834.2	94.58	mg/L	0.610	94.58	mg/L	0.610	0.65%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	75.3	0.00195	mg/L	0.000212	0.00195	mg/L	0.000212	10.86%
Cd 228.802†	0.8	0.00035	mg/L	0.000309	0.00035	mg/L	0.000309	89.28%
Ce 413.380†	9.8	0.00631	mg/L	0.007697	0.00631	mg/L	0.007697	121.97%
Ce 413.764†	6.0	0.00359	mg/L	0.003348	0.00359	mg/L	0.003348	93.20%
Ce 418.660†	0.2	0.00006	mg/L	0.008575	0.00006	mg/L	0.008575	>999.9%
Co 228.616†	-70.2	-0.00187	mg/L	0.000423	-0.00187	mg/L	0.000423	22.64%
Co 230.786†	-1.1	-0.00160	mg/L	0.000341	-0.00160	mg/L	0.000341	21.34%
Co 238.892†	32.2	0.03492	mg/L	0.007493	0.03492	mg/L	0.007493	21.46%
Cr 205.560†	-1.4	-0.00922	mg/L	0.006988	-0.00922	mg/L	0.006988	75.83%
Cr 267.716†	-16.2	-0.00058	mg/L	0.000069	-0.00058	mg/L	0.000069	11.97%
Cr 283.563†	20.8	0.00610	mg/L	0.000621	0.00610	mg/L	0.000621	10.17%
Cu 224.700†	2.1	0.00500	mg/L	0.001411	0.00500	mg/L	0.001411	28.22%
Cu 324.752†	-7.2	-0.00095	mg/L	0.000762	-0.00095	mg/L	0.000762	80.33%
Cu 327.393†	-7.0	-0.00011	mg/L	0.000151	-0.00011	mg/L	0.000151	143.71%
Fe 238.204†	190556.3	87.10	mg/L	0.564	87.10	mg/L	0.564	0.65%
Fe 239.562†	146139.8	87.34	mg/L	0.594	87.34	mg/L	0.594	0.68%
Fe 259.939†	377756.2	88.94	mg/L	0.617	88.94	mg/L	0.617	0.69%
Fe 273.955†	65204.6	98.24	mg/L	0.740	98.24	mg/L	0.740	0.75%
QC value within limits for Fe 273.955 Recovery = 98.24%								
K 766.490†	60867.1	133.4	mg/L	1.07	133.4	mg/L	1.07	0.80%
QC value greater than the upper limit for K 766.490 Recovery = 133.44%								

Li 610.362†	-78.3	-0.01076	mg/L	0.004364	-0.01076	mg/L	0.004364	40.56%
Li 670.784†	-47.8	-0.00090	mg/L	0.001510	-0.00090	mg/L	0.001510	167.71%
Mg 279.077†	36509.5	55.26	mg/L	0.075	55.26	mg/L	0.075	0.14%
QC value within limits for Mg 279.077 Recovery = 92.11%								
Mg 280.271†	5210079.3	52.35	mg/L	0.198	52.35	mg/L	0.198	0.38%
Mg 285.213†	174616.5	51.44	mg/L	0.369	51.44	mg/L	0.369	0.72%
Mn 257.610†	37.6	0.00221	mg/L	0.000475	0.00221	mg/L	0.000475	21.48%
Mn 259.372†	2817.8	0.00476	mg/L	0.000546	0.00476	mg/L	0.000546	11.45%
Mn 260.568†	11.2	0.00100	mg/L	0.000199	0.00100	mg/L	0.000199	19.90%
Mo 202.031†	-5.9	-0.03788	mg/L	0.011391	-0.03788	mg/L	0.011391	30.08%
Mo 203.845†	1.0	0.00978	mg/L	0.025789	0.00978	mg/L	0.025789	263.77%
Mo 204.597†	12.8	0.00178	mg/L	0.000283	0.00178	mg/L	0.000283	15.91%
Na 588.995†	469547.0	93.89	mg/L	0.765	93.89	mg/L	0.765	0.81%
Na 589.592†	501633.3	95.48	mg/L	0.743	95.48	mg/L	0.743	0.78%
QC value within limits for Na 589.592 Recovery = 95.48%								
Ni 221.648†	0.2	0.00095	mg/L	0.005824	0.00095	mg/L	0.005824	610.25%
Ni 231.604†	18.3	0.00124	mg/L	0.000184	0.00124	mg/L	0.000184	14.88%
Ni 232.003†	1.3	0.00394	mg/L	0.004112	0.00394	mg/L	0.004112	104.37%
Pb 217.000†	0.5	0.00899	mg/L	0.008272	0.00899	mg/L	0.008272	92.05%
Pb 220.353†	2.0	0.00074	mg/L	0.000639	0.00074	mg/L	0.000639	85.91%
Sb 206.836†	4.9	0.00223	mg/L	0.002682	0.00223	mg/L	0.002682	120.13%
Sb 217.582†	2.0	0.06071	mg/L	0.019267	0.06071	mg/L	0.019267	31.74%
Se 196.026†	2.5	0.00282	mg/L	0.004983	0.00282	mg/L	0.004983	176.92%
Se 203.985†	15.4	0.02709	mg/L	0.003425	0.02709	mg/L	0.003425	12.65%
Sn 189.927†	-0.3	-0.00019	mg/L	0.000842	-0.00019	mg/L	0.000842	444.72%
Sn 235.485†	408.1	3.739	mg/L	0.0953	3.739	mg/L	0.0953	2.55%
Sr 407.771†	643.5	0.00287	mg/L	0.000045	0.00287	mg/L	0.000045	1.58%
Sr 421.552†	772.3	0.00309	mg/L	0.000179	0.00309	mg/L	0.000179	5.79%
Sr 460.733†	-46.5	-0.00430	mg/L	0.002738	-0.00430	mg/L	0.002738	63.72%
Ti 334.940†	20.8	0.00111	mg/L	0.000151	0.00111	mg/L	0.000151	13.64%
Ti 336.121†	30.4	0.00191	mg/L	0.000827	0.00191	mg/L	0.000827	43.40%
Ti 337.279†	14.0	0.00193	mg/L	0.000678	0.00193	mg/L	0.000678	35.09%
Tl 190.801†	2.3	0.00243	mg/L	0.001116	0.00243	mg/L	0.001116	45.93%
Tl 276.787†	5026.2	1.110	mg/L	0.0202	1.110	mg/L	0.0202	1.82%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
V 290.880†	54.2	0.02072	mg/L	0.003483	0.02072	mg/L	0.003483	16.80%
V 309.310†	-223.6	-0.04181	mg/L	0.003752	-0.04181	mg/L	0.003752	8.97%
V 310.230†	-811.6	-0.00467	mg/L	0.000388	-0.00467	mg/L	0.000388	8.32%
Zn 202.548†	7.4	0.00442	mg/L	0.002204	0.00442	mg/L	0.002204	49.92%
Zn 206.200†	-2.6	-0.00551	mg/L	0.001330	-0.00551	mg/L	0.001330	24.16%
Zn 213.857†	52.2	0.01396	mg/L	0.000935	0.01396	mg/L	0.000935	6.70%

QC Failed. Continue with analysis.

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Sequence No.: 46 **Autosampler Location: 18**
Sample ID: wash **Date Collected: 1/3/02 1:44:49 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: wash

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	300808.9						4297.83	1.43%
Y 360.073	4004267.2						62204.99	1.55%
Ag 328.068†	-25.9	-0.00018	mg/L	0.000126	-0.00018	mg/L	0.000126	70.79%
Ag 338.289†	39.9	0.00044	mg/L	0.000734	0.00044	mg/L	0.000734	167.32%
Al 308.215†	4.3	0.00701	mg/L	0.004571	0.00701	mg/L	0.004571	65.19%
Al 394.401†	2.0	0.00264	mg/L	0.007119	0.00264	mg/L	0.007119	270.02%
Al 396.153†	-3.9	-0.00157	mg/L	0.005435	-0.00157	mg/L	0.005435	346.97%
As 188.979†	-1.2	-0.06046	mg/L	0.024948	-0.06046	mg/L	0.024948	41.26%
As 193.696†	-0.2	-0.00024	mg/L	0.000445	-0.00024	mg/L	0.000445	188.93%
As 197.197†	-0.8	-0.06377	mg/L	0.020294	-0.06377	mg/L	0.020294	31.83%
B 208.889†	-3.9	-0.02992	mg/L	0.019522	-0.02992	mg/L	0.019522	65.25%
B 249.677†	1.9	0.00200	mg/L	0.003756	0.00200	mg/L	0.003756	187.82%
B 249.772†	3.7	0.00184	mg/L	0.000307	0.00184	mg/L	0.000307	16.70%
Ba 233.527†	-1.0	-0.00036	mg/L	0.000222	-0.00036	mg/L	0.000222	61.96%
Ba 455.403†	-5.7	-0.00007	mg/L	0.000044	-0.00007	mg/L	0.000044	65.50%
Ba 493.408†	-22.1	-0.00014	mg/L	0.000236	-0.00014	mg/L	0.000236	173.49%

Be 234.861†	42.9	0.00011 mg/L	0.000031	0.00011 mg/L	0.000031	28.58%
Be 313.042†	-10.1	-0.00015 mg/L	0.000017	-0.00015 mg/L	0.000017	11.26%
Be 313.107†	-10.1	-0.00015 mg/L	0.000017	-0.00015 mg/L	0.000017	11.26%
Ca 315.887†	19.0	0.00637 mg/L	0.004216	0.00637 mg/L	0.004216	66.23%
Ca 317.933†	-34.3	-0.01462 mg/L	0.003977	-0.01462 mg/L	0.003977	27.20%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	-2.1	-0.00006 mg/L	0.000042	-0.00006 mg/L	0.000042	75.59%
Cd 228.802†	1.0	0.00047 mg/L	0.001172	0.00047 mg/L	0.001172	250.35%
Ce 413.380†	10.1	0.00650 mg/L	0.002087	0.00650 mg/L	0.002087	32.10%
Ce 413.764†	2.7	0.00163 mg/L	0.007724	0.00163 mg/L	0.007724	473.18%
Ce 418.660†	18.3	0.00577 mg/L	0.002903	0.00577 mg/L	0.002903	50.34%
Co 228.616†	-9.0	-0.00024 mg/L	0.000035	-0.00024 mg/L	0.000035	14.66%
Co 230.786†	0.2	0.00023 mg/L	0.000766	0.00023 mg/L	0.000766	337.91%
Co 238.892†	-0.4	-0.00042 mg/L	0.000904	-0.00042 mg/L	0.000904	214.03%
Cr 205.560†	-0.6	-0.00389 mg/L	0.003409	-0.00389 mg/L	0.003409	87.53%
Cr 267.716†	-5.2	-0.00019 mg/L	0.000022	-0.00019 mg/L	0.000022	11.92%
Cr 283.563†	-1.4	-0.00042 mg/L	0.000483	-0.00042 mg/L	0.000483	114.00%
Cu 224.700†	-0.7	-0.00165 mg/L	0.005566	-0.00165 mg/L	0.005566	336.73%
Cu 324.752†	-14.3	-0.00188 mg/L	0.000130	-0.00188 mg/L	0.000130	6.91%
Cu 327.393†	-104.0	-0.00156 mg/L	0.000331	-0.00156 mg/L	0.000331	21.24%
Fe 238.204†	7.9	0.00360 mg/L	0.002202	0.00360 mg/L	0.002202	61.19%
Fe 239.562†	5.8	0.00349 mg/L	0.000825	0.00349 mg/L	0.000825	23.63%
Fe 259.939†	17.8	0.00418 mg/L	0.002021	0.00418 mg/L	0.002021	48.31%
Fe 273.955†	3.9	0.00584 mg/L	0.003246	0.00584 mg/L	0.003246	55.59%
K 766.490†	-170.5	-0.3739 mg/L	0.03940	-0.3739 mg/L	0.03940	10.54%
Li 610.362†	121.7	0.01671 mg/L	0.006722	0.01671 mg/L	0.006722	40.22%
Li 670.784†	-231.2	-0.00436 mg/L	0.000238	-0.00436 mg/L	0.000238	5.45%
Mg 279.077†	-1.4	-0.00211 mg/L	0.013473	-0.00211 mg/L	0.013473	638.73%
Mg 280.271†	424.1	0.00426 mg/L	0.001221	0.00426 mg/L	0.001221	28.65%
Mg 285.213†	15.4	0.00454 mg/L	0.001171	0.00454 mg/L	0.001171	25.80%
Mn 257.610†	-3.4	-0.00020 mg/L	0.000059	-0.00020 mg/L	0.000059	29.07%
Mn 259.372†	-7.6	-0.00035 mg/L	0.000165	-0.00035 mg/L	0.000165	46.96%
Mn 260.568†	-2.4	-0.00022 mg/L	0.000138	-0.00022 mg/L	0.000138	63.53%
Mo 202.031†	2.0	0.01306 mg/L	0.007636	0.01306 mg/L	0.007636	58.46%
Mo 203.845†	-0.9	-0.00892 mg/L	0.004683	-0.00892 mg/L	0.004683	52.51%
Mo 204.597†	-0.4	-0.00005 mg/L	0.000609	-0.00005 mg/L	0.000609	>999.9%
Na 588.995†	-101.3	-0.02026 mg/L	0.013909	-0.02026 mg/L	0.013909	68.66%
Na 589.592†	-273.4	-0.05204 mg/L	0.011292	-0.05204 mg/L	0.011292	21.70%
Ni 221.648†	0.2	0.00146 mg/L	0.001835	0.00146 mg/L	0.001835	125.55%
Ni 231.604†	-4.0	-0.00027 mg/L	0.000166	-0.00027 mg/L	0.000166	61.59%
Ni 232.003†	-0.3	-0.00104 mg/L	0.001869	-0.00104 mg/L	0.001869	179.84%
Pb 217.000†	0.7	0.01299 mg/L	0.013569	0.01299 mg/L	0.013569	104.44%
Pb 220.353†	-5.2	-0.00191 mg/L	0.000616	-0.00191 mg/L	0.000616	32.21%
Sb 206.836†	1.2	0.00056 mg/L	0.001359	0.00056 mg/L	0.001359	240.82%
Sb 217.582†	-0.4	-0.01076 mg/L	0.012462	-0.01076 mg/L	0.012462	115.85%
Se 196.026†	-1.7	-0.00194 mg/L	0.002462	-0.00194 mg/L	0.002462	127.20%
Se 203.985†	4.0	0.00712 mg/L	0.006769	0.00712 mg/L	0.006769	95.11%
Sn 189.927†	-1.9	-0.00141 mg/L	0.001165	-0.00141 mg/L	0.001165	82.36%
Sn 235.485†	4.8	0.04376 mg/L	0.015810	0.04376 mg/L	0.015810	36.13%
Sr 407.771†	-32.6	-0.00015 mg/L	0.000060	-0.00015 mg/L	0.000060	41.12%
Sr 421.552†	-11.7	-0.00005 mg/L	0.000099	-0.00005 mg/L	0.000099	212.10%
Sr 460.733†	-96.7	-0.00893 mg/L	0.006212	-0.00893 mg/L	0.006212	69.56%
Ti 334.940†	-5.7	-0.00030 mg/L	0.000183	-0.00030 mg/L	0.000183	60.18%
Ti 336.121†	5.3	0.00033 mg/L	0.000829	0.00033 mg/L	0.000829	250.83%
Ti 337.279†	6.4	0.00089 mg/L	0.000164	0.00089 mg/L	0.000164	18.46%
Tl 190.801†	0.2	0.00020 mg/L	0.000542	0.00020 mg/L	0.000542	265.78%
Tl 276.787†	1.2	0.00025 mg/L	0.002495	0.00025 mg/L	0.002495	981.93%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	1.3	0.00050 mg/L	0.001361	0.00050 mg/L	0.001361	269.81%
V 309.310†	-5.5	-0.00103 mg/L	0.000414	-0.00103 mg/L	0.000414	40.15%
V 310.230†	-1136.5	-0.00654 mg/L	0.000764	-0.00654 mg/L	0.000764	11.70%
Zn 202.548†	-3.9	-0.00421 mg/L	0.001196	-0.00421 mg/L	0.001196	28.43%
Zn 206.200†	-0.9	-0.00183 mg/L	0.001005	-0.00183 mg/L	0.001005	54.90%
Zn 213.857†	-5.9	-0.00256 mg/L	0.000307	-0.00256 mg/L	0.000307	12.02%

Sequence No.: 47
Sample ID: 2002AH19D01
Analyst:
Sample Wt:

Autosampler Location: 38
Date Collected: 1/3/02 1:49:22 PM

Sample Prep Volume:

Dilution: Data Type: Original

Mean Data: 2002AH19D01

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	294516.3						2131.63	0.72%
Y 360.073	3933226.6						66314.40	1.69%
Ag 328.068†	-3.8	-0.00003	mg/L	0.000121	-0.00003	mg/L	0.000121	464.29%
Ag 338.289†	6.6	0.00007	mg/L	0.000324	0.00007	mg/L	0.000324	448.76%
Al 308.215†	795.2	1.296	mg/L	0.0155	1.296	mg/L	0.0155	1.20%
Al 394.401†	1053.8	1.362	mg/L	0.0077	1.362	mg/L	0.0077	0.57%
Al 396.153†	4410.4	1.363	mg/L	0.0374	1.363	mg/L	0.0374	2.75%
As 188.979†	-0.1	-0.00706	mg/L	0.016331	-0.00706	mg/L	0.016331	231.35%
As 193.696†	2.4	0.00316	mg/L	0.002246	0.00316	mg/L	0.002246	71.00%
As 197.197†	-0.2	-0.01250	mg/L	0.017600	-0.01250	mg/L	0.017600	140.81%
B 208.889†	46.2	0.3537	mg/L	0.02629	0.3537	mg/L	0.02629	7.43%
B 249.677†	341.1	0.3647	mg/L	0.00265	0.3647	mg/L	0.00265	0.73%
B 249.772†	750.1	0.3702	mg/L	0.00274	0.3702	mg/L	0.00274	0.74%
Ba 233.527†	734.1	0.2588	mg/L	0.00129	0.2588	mg/L	0.00129	0.50%
Ba 455.403†	22959.8	0.2722	mg/L	0.00536	0.2722	mg/L	0.00536	1.97%
Ba 493.408†	42581.2	0.2621	mg/L	0.00483	0.2621	mg/L	0.00483	1.84%
Be 234.861†	-1565.7	-0.00393	mg/L	0.000124	-0.00393	mg/L	0.000124	3.16%
Be 313.042†	-4.6	-0.00007	mg/L	0.000008	-0.00007	mg/L	0.000008	12.21%
Be 313.107†	-4.6	-0.00007	mg/L	0.000008	-0.00007	mg/L	0.000008	12.21%
Ca 315.887†	28805.6	9.668	mg/L	0.1247	9.668	mg/L	0.1247	1.29%
Ca 317.933†	22105.7	9.425	mg/L	0.1480	9.425	mg/L	0.1480	1.57%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	24.0	0.00062	mg/L	0.000017	0.00062	mg/L	0.000017	2.81%
Cd 228.802†	2.2	0.00100	mg/L	0.000480	0.00100	mg/L	0.000480	48.03%
Ce 413.380†	18.5	0.01189	mg/L	0.007499	0.01189	mg/L	0.007499	63.06%
Ce 413.764†	13.9	0.00832	mg/L	0.002534	0.00832	mg/L	0.002534	30.45%
Ce 418.660†	31.9	0.01007	mg/L	0.005897	0.01007	mg/L	0.005897	58.58%
Co 228.616†	33.0	0.00088	mg/L	0.000354	0.00088	mg/L	0.000354	40.43%
Co 230.786†	1.0	0.00142	mg/L	0.001108	0.00142	mg/L	0.001108	78.27%
Co 238.892†	0.2	0.00027	mg/L	0.000941	0.00027	mg/L	0.000941	354.66%
Cr 205.560†	0.3	0.00170	mg/L	0.003759	0.00170	mg/L	0.003759	220.55%
Cr 267.716†	198.8	0.00711	mg/L	0.000063	0.00711	mg/L	0.000063	0.88%
Cr 283.563†	26.8	0.00786	mg/L	0.000551	0.00786	mg/L	0.000551	7.01%
Cu 224.700†	100.1	0.2413	mg/L	0.00393	0.2413	mg/L	0.00393	1.63%
Cu 324.752†	1880.7	0.2469	mg/L	0.00165	0.2469	mg/L	0.00165	0.67%
Cu 327.393†	16813.1	0.2516	mg/L	0.00648	0.2516	mg/L	0.00648	2.58%
Fe 238.204†	3317.3	1.516	mg/L	0.0125	1.516	mg/L	0.0125	0.83%
Fe 239.562†	2518.1	1.505	mg/L	0.0097	1.505	mg/L	0.0097	0.64%
Fe 259.939†	6511.9	1.533	mg/L	0.0293	1.533	mg/L	0.0293	1.91%
Fe 273.955†	1125.8	1.696	mg/L	0.0092	1.696	mg/L	0.0092	0.54%
K 766.490†	1121.4	2.459	mg/L	0.0682	2.459	mg/L	0.0682	2.77%
Li 610.362†	70.0	0.00962	mg/L	0.004771	0.00962	mg/L	0.004771	49.61%
Li 670.784†	-174.5	-0.00329	mg/L	0.001113	-0.00329	mg/L	0.001113	33.83%
Mg 279.077†	796.8	1.206	mg/L	0.0012	1.206	mg/L	0.0012	0.10%
Mg 280.271†	120471.8	1.210	mg/L	0.0066	1.210	mg/L	0.0066	0.54%
Mg 285.213†	4052.8	1.194	mg/L	0.0152	1.194	mg/L	0.0152	1.27%
Mn 257.610†	755.4	0.04448	mg/L	0.000323	0.04448	mg/L	0.000323	0.73%
Mn 259.372†	1214.6	0.04380	mg/L	0.000243	0.04380	mg/L	0.000243	0.56%
Mn 260.568†	475.5	0.04259	mg/L	0.000525	0.04259	mg/L	0.000525	1.23%
Mo 202.031†	0.7	0.00423	mg/L	0.011859	0.00423	mg/L	0.011859	280.56%
Mo 203.845†	-0.9	-0.00938	mg/L	0.012108	-0.00938	mg/L	0.012108	129.10%
Mo 204.597†	-0.0	0.00000	mg/L	0.000489	0.00000	mg/L	0.000489	>999.9%
Na 588.995†	242804.9	48.55	mg/L	0.357	48.55	mg/L	0.357	0.74%
Na 589.592†	255881.3	48.70	mg/L	0.345	48.70	mg/L	0.345	0.71%
Ni 221.648†	-9.5	-0.05898	mg/L	0.002241	-0.05898	mg/L	0.002241	3.80%
Ni 231.604†	43.1	0.00290	mg/L	0.000201	0.00290	mg/L	0.000201	6.93%
Ni 232.003†	0.5	0.00169	mg/L	0.004401	0.00169	mg/L	0.004401	261.00%
Pb 217.000†	1.1	0.02148	mg/L	0.029262	0.02148	mg/L	0.029262	136.24%
Pb 220.353†	30.1	0.01114	mg/L	0.001117	0.01114	mg/L	0.001117	10.03%
Sb 206.836†	0.3	0.00015	mg/L	0.000400	0.00015	mg/L	0.000400	263.25%
Sb 217.582†	0.3	0.01014	mg/L	0.021839	0.01014	mg/L	0.021839	215.48%
Se 196.026†	12.3	0.01389	mg/L	0.002294	0.01389	mg/L	0.002294	16.52%
Se 203.985†	2.3	0.00413	mg/L	0.001609	0.00413	mg/L	0.001609	38.98%
Sn 189.927†	2.9	0.00212	mg/L	0.000972	0.00212	mg/L	0.000972	45.77%

Sn 235.485†	10.5	0.09639	mg/L	0.037967	0.09639	mg/L	0.037967	39.39%
Sr 407.771†	3003.3	0.01341	mg/L	0.000162	0.01341	mg/L	0.000162	1.21%
Sr 421.552†	3335.1	0.01336	mg/L	0.000379	0.01336	mg/L	0.000379	2.84%
Sr 460.733†	79.9	0.00738	mg/L	0.007070	0.00738	mg/L	0.007070	95.76%
Ti 334.940†	298.5	0.01594	mg/L	0.000272	0.01594	mg/L	0.000272	1.71%
Ti 336.121†	269.8	0.01693	mg/L	0.001048	0.01693	mg/L	0.001048	6.19%
Ti 337.279†	124.2	0.01718	mg/L	0.000773	0.01718	mg/L	0.000773	4.50%
Tl 190.801†	-0.3	-0.00026	mg/L	0.000737	-0.00026	mg/L	0.000737	278.52%
Tl 276.787†	97.2	0.02145	mg/L	0.005757	0.02145	mg/L	0.005757	26.83%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
V 290.880†	9.6	0.00368	mg/L	0.001891	0.00368	mg/L	0.001891	51.32%
V 309.310†	0.5	0.00010	mg/L	0.000676	0.00010	mg/L	0.000676	670.71%
V 310.230†	-902.8	-0.00519	mg/L	0.000684	-0.00519	mg/L	0.000684	13.17%
Zn 202.548†	97.4	0.1039	mg/L	0.00313	0.1039	mg/L	0.00313	3.02%
Zn 206.200†	49.9	0.1038	mg/L	0.00194	0.1038	mg/L	0.00194	1.87%
Zn 213.857†	246.9	0.1065	mg/L	0.00176	0.1065	mg/L	0.00176	1.65%

Sequence No.: 48 **Autosampler Location: 39**
Sample ID: 2002AH19S02 **Date Collected: 1/3/02 1:53:49 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: 2002AH19S02

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	296365.6						1119.14	0.38%
Y 360.073	3952740.0						63617.86	1.61%
Ag 328.068†	-37.5	-0.00026	mg/L	0.000168	-0.00026	mg/L	0.000168	65.20%
Ag 338.289†	40.2	0.00044	mg/L	0.000355	0.00044	mg/L	0.000355	80.34%
Al 308.215†	1141.8	1.860	mg/L	0.0114	1.860	mg/L	0.0114	0.61%
Al 394.401†	1522.2	1.967	mg/L	0.0066	1.967	mg/L	0.0066	0.33%
Al 396.153†	6366.3	1.966	mg/L	0.0181	1.966	mg/L	0.0181	0.92%
As 188.979†	-0.2	-0.01079	mg/L	0.068559	-0.01079	mg/L	0.068559	635.36%
As 193.696†	2.1	0.00284	mg/L	0.003552	0.00284	mg/L	0.003552	124.92%
As 197.197†	-0.2	-0.01914	mg/L	0.030931	-0.01914	mg/L	0.030931	161.60%
B 208.889†	50.7	0.3883	mg/L	0.01941	0.3883	mg/L	0.01941	5.00%
B 249.677†	378.8	0.4049	mg/L	0.00618	0.4049	mg/L	0.00618	1.53%
B 249.772†	829.6	0.4095	mg/L	0.00030	0.4095	mg/L	0.00030	0.07%
Ba 233.527†	804.4	0.2836	mg/L	0.00051	0.2836	mg/L	0.00051	0.18%
Ba 455.403†	24995.9	0.2964	mg/L	0.00219	0.2964	mg/L	0.00219	0.74%
Ba 493.408†	46298.7	0.2850	mg/L	0.00281	0.2850	mg/L	0.00281	0.98%
Be 234.861†	-1992.3	-0.00500	mg/L	0.000171	-0.00500	mg/L	0.000171	3.42%
Be 313.042†	4.3	0.00006	mg/L	0.000033	0.00006	mg/L	0.000033	51.97%
Be 313.107†	4.3	0.00006	mg/L	0.000033	0.00006	mg/L	0.000033	51.97%
Ca 315.887†	37858.0	12.71	mg/L	0.060	12.71	mg/L	0.060	0.47%
Ca 317.933†	28964.7	12.35	mg/L	0.091	12.35	mg/L	0.091	0.74%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	26.4	0.00068	mg/L	0.000035	0.00068	mg/L	0.000035	5.14%
Cd 228.802†	2.0	0.00093	mg/L	0.000173	0.00093	mg/L	0.000173	18.53%
Ce 413.380†	15.5	0.00993	mg/L	0.001254	0.00993	mg/L	0.001254	12.63%
Ce 413.764†	14.6	0.00872	mg/L	0.003745	0.00872	mg/L	0.003745	42.94%
Ce 418.660†	26.2	0.00827	mg/L	0.011562	0.00827	mg/L	0.011562	139.88%
Co 228.616†	45.2	0.00120	mg/L	0.000049	0.00120	mg/L	0.000049	4.09%
Co 230.786†	1.9	0.00269	mg/L	0.002077	0.00269	mg/L	0.002077	77.15%
Co 238.892†	0.6	0.00067	mg/L	0.001289	0.00067	mg/L	0.001289	191.96%
Cr 205.560†	0.9	0.00583	mg/L	0.000394	0.00583	mg/L	0.000394	6.77%
Cr 267.716†	252.3	0.00902	mg/L	0.000171	0.00902	mg/L	0.000171	1.90%
Cr 283.563†	33.3	0.00976	mg/L	0.000276	0.00976	mg/L	0.000276	2.83%
Cu 224.700†	72.5	0.1748	mg/L	0.00937	0.1748	mg/L	0.00937	5.36%
Cu 324.752†	1311.0	0.1721	mg/L	0.00060	0.1721	mg/L	0.00060	0.35%
Cu 327.393†	11861.7	0.1775	mg/L	0.00632	0.1775	mg/L	0.00632	3.56%
Fe 238.204†	3995.3	1.826	mg/L	0.0174	1.826	mg/L	0.0174	0.95%
Fe 239.562†	3036.9	1.815	mg/L	0.0240	1.815	mg/L	0.0240	1.32%
Fe 259.939†	7897.8	1.859	mg/L	0.0179	1.859	mg/L	0.0179	0.96%
Fe 273.955†	1362.7	2.053	mg/L	0.0121	2.053	mg/L	0.0121	0.59%
K 766.490†	1282.9	2.813	mg/L	0.0276	2.813	mg/L	0.0276	0.98%
Li 610.362†	-15.0	-0.00206	mg/L	0.020562	-0.00206	mg/L	0.020562	998.61%

Li 670.784†	-117.3	-0.00221 mg/L	0.001583	-0.00221 mg/L	0.001583	71.59%
Mg 279.077†	967.9	1.465 mg/L	0.0106	1.465 mg/L	0.0106	0.72%
Mg 280.271†	143651.0	1.443 mg/L	0.0065	1.443 mg/L	0.0065	0.45%
Mg 285.213†	4859.0	1.431 mg/L	0.0188	1.431 mg/L	0.0188	1.32%
Mn 257.610†	1101.3	0.06485 mg/L	0.000555	0.06485 mg/L	0.000555	0.86%
Mn 259.372†	1765.3	0.06405 mg/L	0.000180	0.06405 mg/L	0.000180	0.28%
Mn 260.568†	695.2	0.06227 mg/L	0.000185	0.06227 mg/L	0.000185	0.30%
Mo 202.031†	2.2	0.01390 mg/L	0.010610	0.01390 mg/L	0.010610	76.31%
Mo 203.845†	1.7	0.01680 mg/L	0.017528	0.01680 mg/L	0.017528	104.36%
Mo 204.597†	91.9	0.01277 mg/L	0.000364	0.01277 mg/L	0.000364	2.85%
Na 588.995†	251228.9	50.24 mg/L	0.199	50.24 mg/L	0.199	0.40%
Na 589.592†	263908.5	50.23 mg/L	0.227	50.23 mg/L	0.227	0.45%
Ni 221.648†	-11.8	-0.07274 mg/L	0.005174	-0.07274 mg/L	0.005174	7.11%
Ni 231.604†	107.0	0.00720 mg/L	0.000488	0.00720 mg/L	0.000488	6.77%
Ni 232.003†	4.7	0.01447 mg/L	0.002682	0.01447 mg/L	0.002682	18.54%
Pb 217.000†	2.2	0.04246 mg/L	0.027803	0.04246 mg/L	0.027803	65.49%
Pb 220.353†	44.5	0.01646 mg/L	0.000296	0.01646 mg/L	0.000296	1.80%
Sb 206.836†	7.0	0.00321 mg/L	0.000724	0.00321 mg/L	0.000724	22.55%
Sb 217.582†	0.4	0.01247 mg/L	0.045674	0.01247 mg/L	0.045674	366.41%
Se 196.026†	9.3	0.01048 mg/L	0.005393	0.01048 mg/L	0.005393	51.47%
Se 203.985†	2.2	0.00396 mg/L	0.002833	0.00396 mg/L	0.002833	71.59%
Sn 189.927†	3.6	0.00262 mg/L	0.001103	0.00262 mg/L	0.001103	42.08%
Sn 235.485†	10.1	0.09241 mg/L	0.004040	0.09241 mg/L	0.004040	4.37%
Sr 407.771†	4740.1	0.02116 mg/L	0.000104	0.02116 mg/L	0.000104	0.49%
Sr 421.552†	5222.6	0.02092 mg/L	0.000197	0.02092 mg/L	0.000197	0.94%
Sr 460.733†	180.9	0.01671 mg/L	0.003050	0.01671 mg/L	0.003050	18.25%
Ti 334.940†	653.0	0.03486 mg/L	0.000249	0.03486 mg/L	0.000249	0.71%
Ti 336.121†	560.8	0.03519 mg/L	0.001145	0.03519 mg/L	0.001145	3.25%
Ti 337.279†	252.4	0.03493 mg/L	0.001124	0.03493 mg/L	0.001124	3.22%
Tl 190.801†	-0.7	-0.00075 mg/L	0.000718	-0.00075 mg/L	0.000718	95.64%
Tl 276.787†	135.7	0.02997 mg/L	0.001664	0.02997 mg/L	0.001664	5.55%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	6.7	0.00256 mg/L	0.000765	0.00256 mg/L	0.000765	29.81%
V 309.310†	6.1	0.00114 mg/L	0.000636	0.00114 mg/L	0.000636	55.98%
V 310.230†	-454.1	-0.00261 mg/L	0.001052	-0.00261 mg/L	0.001052	40.28%
Zn 202.548†	134.0	0.1441 mg/L	0.00352	0.1441 mg/L	0.00352	2.44%
Zn 206.200†	70.3	0.1462 mg/L	0.00419	0.1462 mg/L	0.00419	2.87%
Zn 213.857†	345.8	0.1493 mg/L	0.00194	0.1493 mg/L	0.00194	1.30%

Sequence No.: 49
Sample ID: 2002AH19S02 Dup
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 1/3/02 1:58:17 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 2002AH19S02 Dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	298718.9						8710.17	2.92%
Y 360.073	3940589.6						16458.25	0.42%
Ag 328.068†	-49.8	-0.00034	mg/L	0.000332	-0.00034	mg/L	0.000332	97.22%
Ag 338.289†	35.8	0.00039	mg/L	0.000043	0.00039	mg/L	0.000043	10.83%
Al 308.215†	1194.2	1.945	mg/L	0.0537	1.945	mg/L	0.0537	2.76%
Al 394.401†	1594.6	2.061	mg/L	0.0681	2.061	mg/L	0.0681	3.30%
Al 396.153†	6680.2	2.063	mg/L	0.0930	2.063	mg/L	0.0930	4.51%
As 188.979†	0.4	0.01797	mg/L	0.026956	0.01797	mg/L	0.026956	150.01%
As 193.696†	3.6	0.00471	mg/L	0.001066	0.00471	mg/L	0.001066	22.63%
As 197.197†	-0.2	-0.01376	mg/L	0.018828	-0.01376	mg/L	0.018828	136.79%
B 208.889†	56.6	0.4331	mg/L	0.02412	0.4331	mg/L	0.02412	5.57%
B 249.677†	411.7	0.4401	mg/L	0.01201	0.4401	mg/L	0.01201	2.73%
B 249.772†	901.8	0.4451	mg/L	0.01154	0.4451	mg/L	0.01154	2.59%
Ba 233.527†	837.3	0.2951	mg/L	0.01048	0.2951	mg/L	0.01048	3.55%
Ba 455.403†	26047.1	0.3088	mg/L	0.01240	0.3088	mg/L	0.01240	4.02%
Ba 493.408†	48290.5	0.2973	mg/L	0.01356	0.2973	mg/L	0.01356	4.56%
Be 234.861†	-1971.8	-0.00495	mg/L	0.000064	-0.00495	mg/L	0.000064	1.29%
Be 313.042†	6.5	0.00010	mg/L	0.000031	0.00010	mg/L	0.000031	31.89%
Be 313.107†	6.5	0.00010	mg/L	0.000031	0.00010	mg/L	0.000031	31.89%
Ca 315.887†	38220.1	12.83	mg/L	0.471	12.83	mg/L	0.471	3.67%

Ca 317.933†	29386.1	12.53 mg/L	0.509	12.53 mg/L	0.509	4.06%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	27.7	0.00072 mg/L	0.000068	0.00072 mg/L	0.000068	9.53%
Cd 228.802†	1.6	0.00072 mg/L	0.000362	0.00072 mg/L	0.000362	50.33%
Ce 413.380†	-1.8	-0.00114 mg/L	0.007035	-0.00114 mg/L	0.007035	615.18%
Ce 413.764†	10.2	0.00612 mg/L	0.003558	0.00612 mg/L	0.003558	58.18%
Ce 418.660†	4.6	0.00146 mg/L	0.006860	0.00146 mg/L	0.006860	470.02%
Co 228.616†	43.6	0.00116 mg/L	0.000076	0.00116 mg/L	0.000076	6.53%
Co 230.786†	2.5	0.00361 mg/L	0.000797	0.00361 mg/L	0.000797	22.06%
Co 238.892†	0.6	0.00070 mg/L	0.000934	0.00070 mg/L	0.000934	133.34%
Cr 205.560†	1.1	0.00714 mg/L	0.002917	0.00714 mg/L	0.002917	40.84%
Cr 267.716†	262.2	0.00937 mg/L	0.000272	0.00937 mg/L	0.000272	2.90%
Cr 283.563†	33.1	0.00970 mg/L	0.000541	0.00970 mg/L	0.000541	5.58%
Cu 224.700†	67.1	0.1618 mg/L	0.00136	0.1618 mg/L	0.00136	0.84%
Cu 324.752†	1210.1	0.1589 mg/L	0.00502	0.1589 mg/L	0.00502	3.16%
Cu 327.393†	11190.6	0.1675 mg/L	0.00482	0.1675 mg/L	0.00482	2.88%
Fe 238.204†	4079.1	1.865 mg/L	0.0695	1.865 mg/L	0.0695	3.73%
Fe 239.562†	3100.9	1.853 mg/L	0.0695	1.853 mg/L	0.0695	3.75%
Fe 259.939†	7951.6	1.872 mg/L	0.0849	1.872 mg/L	0.0849	4.53%
Fe 273.955†	1369.3	2.063 mg/L	0.0674	2.063 mg/L	0.0674	3.27%
K 766.490†	1325.0	2.905 mg/L	0.1182	2.905 mg/L	0.1182	4.07%
Li 610.362†	93.1	0.01278 mg/L	0.006593	0.01278 mg/L	0.006593	51.57%
Li 670.784†	-149.0	-0.00281 mg/L	0.001723	-0.00281 mg/L	0.001723	61.35%
Mg 279.077†	999.8	1.513 mg/L	0.0405	1.513 mg/L	0.0405	2.68%
Mg 280.271†	151467.8	1.522 mg/L	0.0155	1.522 mg/L	0.0155	1.02%
Mg 285.213†	5051.6	1.488 mg/L	0.0641	1.488 mg/L	0.0641	4.31%
Mn 257.610†	1101.0	0.06483 mg/L	0.002223	0.06483 mg/L	0.002223	3.43%
Mn 259.372†	1783.8	0.06471 mg/L	0.002064	0.06471 mg/L	0.002064	3.19%
Mn 260.568†	690.9	0.06188 mg/L	0.001858	0.06188 mg/L	0.001858	3.00%
Mo 202.031†	3.1	0.01958 mg/L	0.004335	0.01958 mg/L	0.004335	22.14%
Mo 203.845†	-0.4	-0.00398 mg/L	0.022908	-0.00398 mg/L	0.022908	575.35%
Mo 204.597†	96.4	0.01341 mg/L	0.000115	0.01341 mg/L	0.000115	0.86%
Na 588.995†	266054.3	53.20 mg/L	0.451	53.20 mg/L	0.451	0.85%
Na 589.592†	279964.1	53.29 mg/L	0.439	53.29 mg/L	0.439	0.82%
Ni 221.648†	-12.8	-0.07926 mg/L	0.004495	-0.07926 mg/L	0.004495	5.67%
Ni 231.604†	101.4	0.00683 mg/L	0.000224	0.00683 mg/L	0.000224	3.28%
Ni 232.003†	3.1	0.00947 mg/L	0.002380	0.00947 mg/L	0.002380	25.13%
Pb 217.000†	0.4	0.00776 mg/L	0.014047	0.00776 mg/L	0.014047	181.03%
Pb 220.353†	48.4	0.01791 mg/L	0.000623	0.01791 mg/L	0.000623	3.48%
Sb 206.836†	6.9	0.00315 mg/L	0.001001	0.00315 mg/L	0.001001	31.76%
Sb 217.582†	-0.6	-0.01743 mg/L	0.029775	-0.01743 mg/L	0.029775	170.81%
Se 196.026†	8.0	0.00901 mg/L	0.002680	0.00901 mg/L	0.002680	29.76%
Se 203.985†	3.2	0.00558 mg/L	0.004820	0.00558 mg/L	0.004820	86.31%
Sn 189.927†	1.5	0.00109 mg/L	0.000881	0.00109 mg/L	0.000881	80.62%
Sn 235.485†	8.4	0.07683 mg/L	0.038413	0.07683 mg/L	0.038413	50.00%
Sr 407.771†	4810.1	0.02147 mg/L	0.000847	0.02147 mg/L	0.000847	3.95%
Sr 421.552†	5273.2	0.02112 mg/L	0.000902	0.02112 mg/L	0.000902	4.27%
Sr 460.733†	182.0	0.01681 mg/L	0.002697	0.01681 mg/L	0.002697	16.04%
Ti 334.940†	665.7	0.03554 mg/L	0.000856	0.03554 mg/L	0.000856	2.41%
Ti 336.121†	582.7	0.03656 mg/L	0.001496	0.03656 mg/L	0.001496	4.09%
Ti 337.279†	254.9	0.03527 mg/L	0.001147	0.03527 mg/L	0.001147	3.25%
Tl 190.801†	-2.0	-0.00211 mg/L	0.000910	-0.00211 mg/L	0.000910	43.24%
Tl 276.787†	139.2	0.03075 mg/L	0.006717	0.03075 mg/L	0.006717	21.85%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	6.5	0.00247 mg/L	0.000731	0.00247 mg/L	0.000731	29.64%
V 309.310†	9.9	0.00186 mg/L	0.000627	0.00186 mg/L	0.000627	33.71%
V 310.230†	-661.6	-0.00380 mg/L	0.001044	-0.00380 mg/L	0.001044	27.45%
Zn 202.548†	118.3	0.1271 mg/L	0.00826	0.1271 mg/L	0.00826	6.50%
Zn 206.200†	61.1	0.1270 mg/L	0.00685	0.1270 mg/L	0.00685	5.40%
Zn 213.857†	303.0	0.1307 mg/L	0.00392	0.1307 mg/L	0.00392	3.00%

Sequence No.: 50
Sample ID: 2002AH19S03
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 1/3/02 2:02:46 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 2002AH19S03

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	295690.6						5705.10	1.93%
Y 360.073	3929143.3						23881.18	0.61%
Ag 328.068†	-7.9	-0.00005	mg/L	0.000230	-0.00005	mg/L	0.000230	425.12%
Ag 338.289†	49.8	0.00055	mg/L	0.000375	0.00055	mg/L	0.000375	68.56%
Al 308.215†	766.0	1.248	mg/L	0.0196	1.248	mg/L	0.0196	1.57%
Al 394.401†	1016.0	1.313	mg/L	0.0218	1.313	mg/L	0.0218	1.66%
Al 396.153†	4261.9	1.317	mg/L	0.0217	1.317	mg/L	0.0217	1.65%
As 188.979†	0.3	0.01499	mg/L	0.071009	0.01499	mg/L	0.071009	473.82%
As 193.696†	-1.0	-0.00126	mg/L	0.002361	-0.00126	mg/L	0.002361	187.42%
As 197.197†	-0.4	-0.03307	mg/L	0.030587	-0.03307	mg/L	0.030587	92.50%
B 208.889†	52.3	0.4002	mg/L	0.03106	0.4002	mg/L	0.03106	7.76%
B 249.677†	366.3	0.3916	mg/L	0.00750	0.3916	mg/L	0.00750	1.91%
B 249.772†	801.3	0.3955	mg/L	0.00187	0.3955	mg/L	0.00187	0.47%
Ba 233.527†	748.4	0.2638	mg/L	0.00473	0.2638	mg/L	0.00473	1.79%
Ba 455.403†	23187.8	0.2749	mg/L	0.00280	0.2749	mg/L	0.00280	1.02%
Ba 493.408†	43057.1	0.2650	mg/L	0.00354	0.2650	mg/L	0.00354	1.33%
Be 234.861†	-687.3	-0.00172	mg/L	0.000100	-0.00172	mg/L	0.000100	5.82%
Be 313.042†	2.3	0.00003	mg/L	0.000018	0.00003	mg/L	0.000018	53.53%
Be 313.107†	2.3	0.00003	mg/L	0.000018	0.00003	mg/L	0.000018	53.53%
Ca 315.887†	26397.1	8.860	mg/L	0.1296	8.860	mg/L	0.1296	1.46%
Ca 317.933†	20378.2	8.688	mg/L	0.1176	8.688	mg/L	0.1176	1.35%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	23.0	0.00060	mg/L	0.000083	0.00060	mg/L	0.000083	13.93%
Cd 228.802†	1.9	0.00087	mg/L	0.000381	0.00087	mg/L	0.000381	44.04%
Ce 413.380†	6.5	0.00418	mg/L	0.009163	0.00418	mg/L	0.009163	219.29%
Ce 413.764†	9.8	0.00589	mg/L	0.003008	0.00589	mg/L	0.003008	51.08%
Ce 418.660†	39.3	0.01241	mg/L	0.014748	0.01241	mg/L	0.014748	118.88%
Co 228.616†	19.5	0.00052	mg/L	0.000109	0.00052	mg/L	0.000109	21.07%
Co 230.786†	0.8	0.00119	mg/L	0.001066	0.00119	mg/L	0.001066	89.25%
Co 238.892†	-0.5	-0.00054	mg/L	0.000783	-0.00054	mg/L	0.000783	144.37%
Cr 205.560†	0.5	0.00355	mg/L	0.000265	0.00355	mg/L	0.000265	7.47%
Cr 267.716†	202.8	0.00725	mg/L	0.000121	0.00725	mg/L	0.000121	1.67%
Cr 283.563†	26.0	0.00762	mg/L	0.001071	0.00762	mg/L	0.001071	14.05%
Cu 224.700†	190.4	0.4590	mg/L	0.00550	0.4590	mg/L	0.00550	1.20%
Cu 324.752†	3377.6	0.4435	mg/L	0.00602	0.4435	mg/L	0.00602	1.36%
Cu 327.393†	31020.9	0.4642	mg/L	0.00852	0.4642	mg/L	0.00852	1.83%
Fe 238.204†	1532.8	0.7006	mg/L	0.01049	0.7006	mg/L	0.01049	1.50%
Fe 239.562†	1169.3	0.6989	mg/L	0.01325	0.6989	mg/L	0.01325	1.90%
Fe 259.939†	3012.3	0.7092	mg/L	0.01142	0.7092	mg/L	0.01142	1.61%
Fe 273.955†	520.7	0.7845	mg/L	0.01493	0.7845	mg/L	0.01493	1.90%
K 766.490†	1039.3	2.279	mg/L	0.0054	2.279	mg/L	0.0054	0.23%
Li 610.362†	33.0	0.00453	mg/L	0.023537	0.00453	mg/L	0.023537	519.99%
Li 670.784†	-239.0	-0.00450	mg/L	0.001039	-0.00450	mg/L	0.001039	23.07%
Mg 279.077†	789.4	1.195	mg/L	0.0199	1.195	mg/L	0.0199	1.67%
Mg 280.271†	118747.6	1.193	mg/L	0.0058	1.193	mg/L	0.0058	0.49%
Mg 285.213†	3953.9	1.165	mg/L	0.0100	1.165	mg/L	0.0100	0.86%
Mn 257.610†	535.7	0.03155	mg/L	0.000420	0.03155	mg/L	0.000420	1.33%
Mn 259.372†	852.6	0.03118	mg/L	0.000613	0.03118	mg/L	0.000613	1.97%
Mn 260.568†	335.2	0.03003	mg/L	0.000554	0.03003	mg/L	0.000554	1.85%
Mo 202.031†	0.1	0.00070	mg/L	0.005546	0.00070	mg/L	0.005546	792.33%
Mo 203.845†	1.5	0.01497	mg/L	0.004757	0.01497	mg/L	0.004757	31.78%
Mo 204.597†	-3.3	-0.00045	mg/L	0.000119	-0.00045	mg/L	0.000119	26.32%
Na 588.995†	254181.3	50.83	mg/L	0.281	50.83	mg/L	0.281	0.55%
Na 589.592†	267379.0	50.89	mg/L	0.206	50.89	mg/L	0.206	0.40%
Ni 221.648†	-10.1	-0.06269	mg/L	0.001861	-0.06269	mg/L	0.001861	2.97%
Ni 231.604†	37.8	0.00255	mg/L	0.000155	0.00255	mg/L	0.000155	6.08%
Ni 232.003†	-0.6	-0.00195	mg/L	0.003023	-0.00195	mg/L	0.003023	155.40%
Pb 217.000†	2.0	0.03930	mg/L	0.026862	0.03930	mg/L	0.026862	68.35%
Pb 220.353†	25.0	0.00926	mg/L	0.000942	0.00926	mg/L	0.000942	10.17%
Sb 206.836†	6.8	0.00310	mg/L	0.001607	0.00310	mg/L	0.001607	51.92%
Sb 217.582†	-0.3	-0.00948	mg/L	0.006174	-0.00948	mg/L	0.006174	65.15%
Se 196.026†	6.1	0.00683	mg/L	0.003513	0.00683	mg/L	0.003513	51.44%
Se 203.985†	-1.9	-0.00329	mg/L	0.005043	-0.00329	mg/L	0.005043	153.26%
Sn 189.927†	-0.0	-0.00002	mg/L	0.000429	-0.00002	mg/L	0.000429	>999.9%
Sn 235.485†	4.5	0.04085	mg/L	0.019611	0.04085	mg/L	0.019611	48.00%
Sr 407.771†	2390.1	0.01067	mg/L	0.000161	0.01067	mg/L	0.000161	1.51%
Sr 421.552†	2698.4	0.01081	mg/L	0.000175	0.01081	mg/L	0.000175	1.62%
Sr 460.733†	89.1	0.00823	mg/L	0.002285	0.00823	mg/L	0.002285	27.76%

Ti 334.940†	202.7	0.01082 mg/L	0.000416	0.01082 mg/L	0.000416	3.85%
Ti 336.121†	184.1	0.01155 mg/L	0.000486	0.01155 mg/L	0.000486	4.20%
Ti 337.279†	78.6	0.01088 mg/L	0.000812	0.01088 mg/L	0.000812	7.46%
Tl 190.801†	-0.9	-0.00093 mg/L	0.001988	-0.00093 mg/L	0.001988	213.64%
Tl 276.787†	65.2	0.01439 mg/L	0.006442	0.01439 mg/L	0.006442	44.76%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-0.8	-0.00030 mg/L	0.000300	-0.00030 mg/L	0.000300	99.48%
V 309.310†	-1.8	-0.00033 mg/L	0.000725	-0.00033 mg/L	0.000725	220.68%
V 310.230†	-1240.7	-0.00714 mg/L	0.000161	-0.00714 mg/L	0.000161	2.26%
Zn 202.548†	94.0	0.09863 mg/L	0.002920	0.09863 mg/L	0.002920	2.96%
Zn 206.200†	48.0	0.09976 mg/L	0.003181	0.09976 mg/L	0.003181	3.19%
Zn 213.857†	231.7	0.09988 mg/L	0.001318	0.09988 mg/L	0.001318	1.32%

Sequence No.: 51
Sample ID: 2002AH21S02
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 1/3/02 2:07:15 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 2002AH21S02

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	291608.0						3885.42	1.33%
Y 360.073	3996139.1						51795.74	1.30%
Ag 328.068†	-2.1	-0.00001	mg/L	0.000280	-0.00001	mg/L	0.000280	>999.9%
Ag 338.289†	15.2	0.00017	mg/L	0.000677	0.00017	mg/L	0.000677	405.62%
Al 308.215†	832.1	1.356	mg/L	0.0163	1.356	mg/L	0.0163	1.20%
Al 394.401†	1095.8	1.416	mg/L	0.0045	1.416	mg/L	0.0045	0.32%
Al 396.153†	4783.7	1.477	mg/L	0.0365	1.477	mg/L	0.0365	2.47%
As 188.979†	-0.7	-0.03602	mg/L	0.076808	-0.03602	mg/L	0.076808	213.25%
As 193.696†	-1.8	-0.00244	mg/L	0.001090	-0.00244	mg/L	0.001090	44.65%
As 197.197†	-0.5	-0.04114	mg/L	0.044562	-0.04114	mg/L	0.044562	108.33%
B 208.889†	57.7	0.4418	mg/L	0.02092	0.4418	mg/L	0.02092	4.74%
B 249.677†	427.9	0.4574	mg/L	0.00636	0.4574	mg/L	0.00636	1.39%
B 249.772†	935.9	0.4619	mg/L	0.00571	0.4619	mg/L	0.00571	1.24%
Ba 233.527†	817.4	0.2881	mg/L	0.00370	0.2881	mg/L	0.00370	1.28%
Ba 455.403†	26353.5	0.3125	mg/L	0.00937	0.3125	mg/L	0.00937	3.00%
Ba 493.408†	48988.4	0.3016	mg/L	0.00944	0.3016	mg/L	0.00944	3.13%
Be 234.861†	-395.5	-0.00099	mg/L	0.000108	-0.00099	mg/L	0.000108	10.87%
Be 313.042†	0.3	0.00000	mg/L	0.000018	0.00000	mg/L	0.000018	471.05%
Be 313.107†	0.3	0.00000	mg/L	0.000018	0.00000	mg/L	0.000018	471.05%
Ca 315.887†	14808.1	4.970	mg/L	0.1173	4.970	mg/L	0.1173	2.36%
Ca 317.933†	11402.3	4.861	mg/L	0.1365	4.861	mg/L	0.1365	2.81%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	11.4	0.00030	mg/L	0.000030	0.00030	mg/L	0.000030	10.04%
Cd 228.802†	1.2	0.00054	mg/L	0.000501	0.00054	mg/L	0.000501	92.51%
Ce 413.380†	10.8	0.00695	mg/L	0.002652	0.00695	mg/L	0.002652	38.15%
Ce 413.764†	7.8	0.00467	mg/L	0.000448	0.00467	mg/L	0.000448	9.58%
Ce 418.660†	0.9	0.00028	mg/L	0.002956	0.00028	mg/L	0.002956	>999.9%
Co 228.616†	24.5	0.00065	mg/L	0.000142	0.00065	mg/L	0.000142	21.75%
Co 230.786†	2.1	0.00298	mg/L	0.000943	0.00298	mg/L	0.000943	31.67%
Co 238.892†	-0.7	-0.00075	mg/L	0.001179	-0.00075	mg/L	0.001179	156.21%
Cr 205.560†	0.5	0.00337	mg/L	0.006022	0.00337	mg/L	0.006022	178.65%
Cr 267.716†	186.0	0.00665	mg/L	0.000130	0.00665	mg/L	0.000130	1.96%
Cr 283.563†	23.2	0.00681	mg/L	0.001065	0.00681	mg/L	0.001065	15.65%
Cu 224.700†	64.5	0.1555	mg/L	0.00062	0.1555	mg/L	0.00062	0.40%
Cu 324.752†	1134.4	0.1490	mg/L	0.00133	0.1490	mg/L	0.00133	0.89%
Cu 327.393†	9858.4	0.1475	mg/L	0.00237	0.1475	mg/L	0.00237	1.60%
Fe 238.204†	896.7	0.4099	mg/L	0.00537	0.4099	mg/L	0.00537	1.31%
Fe 239.562†	686.1	0.4100	mg/L	0.00581	0.4100	mg/L	0.00581	1.42%
Fe 259.939†	1771.6	0.4171	mg/L	0.00334	0.4171	mg/L	0.00334	0.80%
Fe 273.955†	304.8	0.4592	mg/L	0.00976	0.4592	mg/L	0.00976	2.13%
K 766.490†	1171.5	2.568	mg/L	0.0524	2.568	mg/L	0.0524	2.04%
Li 610.362†	-32.6	-0.00447	mg/L	0.016316	-0.00447	mg/L	0.016316	364.81%
Li 670.784†	-191.4	-0.00361	mg/L	0.001024	-0.00361	mg/L	0.001024	28.40%
Mg 279.077†	832.3	1.260	mg/L	0.0140	1.260	mg/L	0.0140	1.11%
Mg 280.271†	123854.5	1.244	mg/L	0.0079	1.244	mg/L	0.0079	0.63%
Mg 285.213†	4305.6	1.268	mg/L	0.0375	1.268	mg/L	0.0375	2.96%

Mn 257.610†	259.5	0.01528 mg/L	0.000066	0.01528 mg/L	0.000066	0.43%
Mn 259.372†	411.8	0.01493 mg/L	0.000347	0.01493 mg/L	0.000347	2.33%
Mn 260.568†	163.3	0.01463 mg/L	0.000138	0.01463 mg/L	0.000138	0.94%
Mo 202.031†	1.7	0.01068 mg/L	0.013902	0.01068 mg/L	0.013902	130.21%
Mo 203.845†	-0.0	-0.00047 mg/L	0.017813	-0.00047 mg/L	0.017813	>999.9%
Mo 204.597†	-1.8	-0.00025 mg/L	0.000081	-0.00025 mg/L	0.000081	31.97%
Na 588.995†	268428.1	53.68 mg/L	0.306	53.68 mg/L	0.306	0.57%
Na 589.592†	282445.8	53.76 mg/L	0.272	53.76 mg/L	0.272	0.51%
Ni 221.648†	-11.6	-0.07183 mg/L	0.008584	-0.07183 mg/L	0.008584	11.95%
Ni 231.604†	83.5	0.00563 mg/L	0.000159	0.00563 mg/L	0.000159	2.82%
Ni 232.003†	2.0	0.00632 mg/L	0.002256	0.00632 mg/L	0.002256	35.69%
Pb 217.000†	1.2	0.02418 mg/L	0.007492	0.02418 mg/L	0.007492	30.98%
Pb 220.353†	35.2	0.01303 mg/L	0.000614	0.01303 mg/L	0.000614	4.71%
Sb 206.836†	2.1	0.00096 mg/L	0.001848	0.00096 mg/L	0.001848	192.19%
Sb 217.582†	-0.5	-0.01589 mg/L	0.049711	-0.01589 mg/L	0.049711	312.85%
Se 196.026†	3.4	0.00378 mg/L	0.003194	0.00378 mg/L	0.003194	84.48%
Se 203.985†	0.2	0.00036 mg/L	0.001801	0.00036 mg/L	0.001801	504.41%
Sn 189.927†	-1.0	-0.00070 mg/L	0.000761	-0.00070 mg/L	0.000761	108.05%
Sn 235.485†	2.3	0.02097 mg/L	0.026320	0.02097 mg/L	0.026320	125.52%
Sr 407.771†	1196.1	0.00534 mg/L	0.000165	0.00534 mg/L	0.000165	3.09%
Sr 421.552†	1333.0	0.00534 mg/L	0.000166	0.00534 mg/L	0.000166	3.10%
Sr 460.733†	31.0	0.00286 mg/L	0.013576	0.00286 mg/L	0.013576	474.24%
Ti 334.940†	173.4	0.00925 mg/L	0.000084	0.00925 mg/L	0.000084	0.91%
Ti 336.121†	154.2	0.00968 mg/L	0.000415	0.00968 mg/L	0.000415	4.29%
Ti 337.279†	68.8	0.00952 mg/L	0.000243	0.00952 mg/L	0.000243	2.56%
Tl 190.801†	-2.6	-0.00277 mg/L	0.000607	-0.00277 mg/L	0.000607	21.90%
Tl 276.787†	54.4	0.01201 mg/L	0.009794	0.01201 mg/L	0.009794	81.53%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-0.5	-0.00019 mg/L	0.000643	-0.00019 mg/L	0.000643	341.13%
V 309.310†	-4.9	-0.00091 mg/L	0.000283	-0.00091 mg/L	0.000283	31.00%
V 310.230†	-1092.8	-0.00628 mg/L	0.000780	-0.00628 mg/L	0.000780	12.40%
Zn 202.548†	74.9	0.08008 mg/L	0.003239	0.08008 mg/L	0.003239	4.04%
Zn 206.200†	38.9	0.08086 mg/L	0.001581	0.08086 mg/L	0.001581	1.95%
Zn 213.857†	184.8	0.07977 mg/L	0.001335	0.07977 mg/L	0.001335	1.67%

Sequence No.: 52
Sample ID: 2002AH21S03
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 1/3/02 2:11:46 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 2002AH21S03

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	293450.4						4182.27	1.43%
Y 360.073	3951838.5						49238.52	1.25%
Ag 328.068†	48.6	0.00033	mg/L	0.000482	0.00033	mg/L	0.000482	144.24%
Ag 338.289†	60.1	0.00066	mg/L	0.000426	0.00066	mg/L	0.000426	64.51%
Al 308.215†	780.6	1.272	mg/L	0.0235	1.272	mg/L	0.0235	1.85%
Al 394.401†	1028.8	1.330	mg/L	0.0255	1.330	mg/L	0.0255	1.92%
Al 396.153†	4307.4	1.330	mg/L	0.0169	1.330	mg/L	0.0169	1.27%
As 188.979†	-0.3	-0.01412	mg/L	0.026604	-0.01412	mg/L	0.026604	188.38%
As 193.696†	0.7	0.00098	mg/L	0.003169	0.00098	mg/L	0.003169	324.93%
As 197.197†	-0.5	-0.03874	mg/L	0.053335	-0.03874	mg/L	0.053335	137.66%
B 208.889†	55.6	0.4255	mg/L	0.01148	0.4255	mg/L	0.01148	2.70%
B 249.677†	396.0	0.4234	mg/L	0.00980	0.4234	mg/L	0.00980	2.31%
B 249.772†	858.9	0.4240	mg/L	0.00815	0.4240	mg/L	0.00815	1.92%
Ba 233.527†	765.7	0.2699	mg/L	0.00674	0.2699	mg/L	0.00674	2.50%
Ba 455.403†	23528.9	0.2790	mg/L	0.00421	0.2790	mg/L	0.00421	1.51%
Ba 493.408†	43782.7	0.2695	mg/L	0.00384	0.2695	mg/L	0.00384	1.43%
Be 234.861†	-503.0	-0.00126	mg/L	0.000039	-0.00126	mg/L	0.000039	3.06%
Be 313.042†	1.2	0.00002	mg/L	0.000016	0.00002	mg/L	0.000016	90.46%
Be 313.107†	1.2	0.00002	mg/L	0.000016	0.00002	mg/L	0.000016	90.46%
Ca 315.887†	16855.3	5.657	mg/L	0.0435	5.657	mg/L	0.0435	0.77%
Ca 317.933†	13006.5	5.545	mg/L	0.0613	5.545	mg/L	0.0613	1.11%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	11.6	0.00030	mg/L	0.000044	0.00030	mg/L	0.000044	14.45%
Cd 228.802†	0.8	0.00038	mg/L	0.000697	0.00038	mg/L	0.000697	183.38%

Ce 413.380†	9.1	0.00584 mg/L	0.004139	0.00584 mg/L	0.004139	70.83%
Ce 413.764†	-5.3	-0.00317 mg/L	0.002705	-0.00317 mg/L	0.002705	85.22%
Ce 418.660†	-20.5	-0.00647 mg/L	0.017382	-0.00647 mg/L	0.017382	268.69%
Co 228.616†	19.2	0.00051 mg/L	0.000158	0.00051 mg/L	0.000158	31.04%
Co 230.786†	0.2	0.00033 mg/L	0.002017	0.00033 mg/L	0.002017	615.12%
Co 238.892†	-1.1	-0.00123 mg/L	0.001136	-0.00123 mg/L	0.001136	92.41%
Cr 205.560†	0.6	0.00406 mg/L	0.005396	0.00406 mg/L	0.005396	132.92%
Cr 267.716†	182.4	0.00652 mg/L	0.000063	0.00652 mg/L	0.000063	0.96%
Cr 283.563†	23.2	0.00681 mg/L	0.001628	0.00681 mg/L	0.001628	23.91%
Cu 224.700†	193.8	0.4673 mg/L	0.01200	0.4673 mg/L	0.01200	2.57%
Cu 324.752†	3469.9	0.4556 mg/L	0.00023	0.4556 mg/L	0.00023	0.05%
Cu 327.393†	31195.8	0.4668 mg/L	0.00863	0.4668 mg/L	0.00863	1.85%
Fe 238.204†	1177.0	0.5380 mg/L	0.00947	0.5380 mg/L	0.00947	1.76%
Fe 239.562†	899.6	0.5377 mg/L	0.01083	0.5377 mg/L	0.01083	2.02%
Fe 259.939†	2298.3	0.5411 mg/L	0.00812	0.5411 mg/L	0.00812	1.50%
Fe 273.955†	399.7	0.6023 mg/L	0.01642	0.6023 mg/L	0.01642	2.73%
K 766.490†	1094.5	2.400 mg/L	0.0317	2.400 mg/L	0.0317	1.32%
Li 610.362†	-17.8	-0.00244 mg/L	0.013291	-0.00244 mg/L	0.013291	544.01%
Li 670.784†	-131.7	-0.00248 mg/L	0.000445	-0.00248 mg/L	0.000445	17.91%
Mg 279.077†	764.3	1.157 mg/L	0.0263	1.157 mg/L	0.0263	2.28%
Mg 280.271†	114275.0	1.148 mg/L	0.0039	1.148 mg/L	0.0039	0.34%
Mg 285.213†	3816.7	1.124 mg/L	0.0115	1.124 mg/L	0.0115	1.02%
Mn 257.610†	299.1	0.01761 mg/L	0.000469	0.01761 mg/L	0.000469	2.66%
Mn 259.372†	486.8	0.01763 mg/L	0.000185	0.01763 mg/L	0.000185	1.05%
Mn 260.568†	188.0	0.01684 mg/L	0.000246	0.01684 mg/L	0.000246	1.46%
Mo 202.031†	0.3	0.00182 mg/L	0.004501	0.00182 mg/L	0.004501	247.11%
Mo 203.845†	-0.3	-0.00312 mg/L	0.012026	-0.00312 mg/L	0.012026	385.21%
Mo 204.597†	9.5	0.00132 mg/L	0.000031	0.00132 mg/L	0.000031	2.35%
Na 588.995†	252943.3	50.58 mg/L	0.212	50.58 mg/L	0.212	0.42%
Na 589.592†	266156.0	50.66 mg/L	0.173	50.66 mg/L	0.173	0.34%
Ni 221.648†	-10.6	-0.06573 mg/L	0.003518	-0.06573 mg/L	0.003518	5.35%
Ni 231.604†	50.3	0.00339 mg/L	0.000158	0.00339 mg/L	0.000158	4.67%
Ni 232.003†	1.1	0.00334 mg/L	0.003341	0.00334 mg/L	0.003341	99.96%
Pb 217.000†	1.3	0.02599 mg/L	0.002850	0.02599 mg/L	0.002850	10.97%
Pb 220.353†	30.0	0.01108 mg/L	0.000404	0.01108 mg/L	0.000404	3.64%
Sb 206.836†	9.0	0.00411 mg/L	0.000415	0.00411 mg/L	0.000415	10.09%
Sb 217.582†	-0.6	-0.01644 mg/L	0.008229	-0.01644 mg/L	0.008229	50.04%
Se 196.026†	5.6	0.00632 mg/L	0.003532	0.00632 mg/L	0.003532	55.85%
Se 203.985†	0.6	0.00113 mg/L	0.006434	0.00113 mg/L	0.006434	567.99%
Sn 189.927†	-0.4	-0.00026 mg/L	0.000964	-0.00026 mg/L	0.000964	369.83%
Sn 235.485†	6.1	0.05582 mg/L	0.026238	0.05582 mg/L	0.026238	47.01%
Sr 407.771†	1512.0	0.00675 mg/L	0.000161	0.00675 mg/L	0.000161	2.39%
Sr 421.552†	1734.1	0.00695 mg/L	0.000183	0.00695 mg/L	0.000183	2.63%
Sr 460.733†	31.0	0.00286 mg/L	0.010969	0.00286 mg/L	0.010969	383.37%
Ti 334.940†	202.0	0.01078 mg/L	0.000161	0.01078 mg/L	0.000161	1.49%
Ti 336.121†	177.3	0.01113 mg/L	0.001264	0.01113 mg/L	0.001264	11.36%
Ti 337.279†	79.3	0.01097 mg/L	0.000869	0.01097 mg/L	0.000869	7.93%
Tl 190.801†	-0.5	-0.00049 mg/L	0.002242	-0.00049 mg/L	0.002242	460.87%
Tl 276.787†	85.6	0.01891 mg/L	0.001550	0.01891 mg/L	0.001550	8.20%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	1.7	0.00065 mg/L	0.001253	0.00065 mg/L	0.001253	191.47%
V 309.310†	-0.9	-0.00017 mg/L	0.000128	-0.00017 mg/L	0.000128	75.90%
V 310.230†	-1137.4	-0.00654 mg/L	0.000597	-0.00654 mg/L	0.000597	9.12%
Zn 202.548†	78.6	0.08182 mg/L	0.005088	0.08182 mg/L	0.005088	6.22%
Zn 206.200†	39.9	0.08294 mg/L	0.002985	0.08294 mg/L	0.002985	3.60%
Zn 213.857†	188.3	0.08112 mg/L	0.003154	0.08112 mg/L	0.003154	3.89%

Sequence No.: 53
Sample ID: 2002AH21S03 Dup
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 1/3/02 2:16:17 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 2002AH21S03 Dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	298013.2						7024.34	2.36%
Y 360.073	3951938.1						46106.94	1.17%

Ag 328.068†	75.6	0.00052 mg/L	0.000088	0.00052 mg/L	0.000088	16.87%
Ag 338.289†	60.8	0.00067 mg/L	0.000635	0.00067 mg/L	0.000635	95.07%
Al 308.215†	750.6	1.223 mg/L	0.0272	1.223 mg/L	0.0272	2.22%
Al 394.401†	995.1	1.286 mg/L	0.0239	1.286 mg/L	0.0239	1.86%
Al 396.153†	4144.6	1.280 mg/L	0.0282	1.280 mg/L	0.0282	2.21%
As 188.979†	-0.6	-0.03220 mg/L	0.049991	-0.03220 mg/L	0.049991	155.25%
As 193.696†	0.8	0.00111 mg/L	0.002335	0.00111 mg/L	0.002335	209.88%
As 197.197†	-0.5	-0.03666 mg/L	0.060348	-0.03666 mg/L	0.060348	164.60%
B 208.889†	50.6	0.3872 mg/L	0.03483	0.3872 mg/L	0.03483	8.99%
B 249.677†	364.3	0.3894 mg/L	0.01492	0.3894 mg/L	0.01492	3.83%
B 249.772†	790.2	0.3900 mg/L	0.00892	0.3900 mg/L	0.00892	2.29%
Ba 233.527†	736.0	0.2594 mg/L	0.00483	0.2594 mg/L	0.00483	1.86%
Ba 455.403†	22677.3	0.2689 mg/L	0.00385	0.2689 mg/L	0.00385	1.43%
Ba 493.408†	42154.8	0.2595 mg/L	0.00394	0.2595 mg/L	0.00394	1.52%
Be 234.861†	-490.9	-0.00123 mg/L	0.000031	-0.00123 mg/L	0.000031	2.54%
Be 313.042†	0.2	0.00000 mg/L	0.000022	0.00000 mg/L	0.000022	879.11%
Be 313.107†	0.2	0.00000 mg/L	0.000022	0.00000 mg/L	0.000022	879.11%
Ca 315.887†	16589.7	5.568 mg/L	0.0750	5.568 mg/L	0.0750	1.35%
Ca 317.933†	12737.0	5.430 mg/L	0.0792	5.430 mg/L	0.0792	1.46%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	13.9	0.00036 mg/L	0.000067	0.00036 mg/L	0.000067	18.79%
Cd 228.802†	1.2	0.00055 mg/L	0.000159	0.00055 mg/L	0.000159	29.05%
Ce 413.380†	1.3	0.00082 mg/L	0.002537	0.00082 mg/L	0.002537	310.80%
Ce 413.764†	5.4	0.00325 mg/L	0.005001	0.00325 mg/L	0.005001	154.09%
Ce 418.660†	-45.9	-0.01449 mg/L	0.017242	-0.01449 mg/L	0.017242	119.00%
Co 228.616†	29.6	0.00079 mg/L	0.000135	0.00079 mg/L	0.000135	17.10%
Co 230.786†	1.6	0.00224 mg/L	0.001122	0.00224 mg/L	0.001122	50.02%
Co 238.892†	-1.3	-0.00141 mg/L	0.000709	-0.00141 mg/L	0.000709	50.36%
Cr 205.560†	0.7	0.00469 mg/L	0.002904	0.00469 mg/L	0.002904	61.97%
Cr 267.716†	181.5	0.00649 mg/L	0.000119	0.00649 mg/L	0.000119	1.84%
Cr 283.563†	24.4	0.00716 mg/L	0.000919	0.00716 mg/L	0.000919	12.84%
Cu 224.700†	206.5	0.4977 mg/L	0.00833	0.4977 mg/L	0.00833	1.67%
Cu 324.752†	3680.5	0.4833 mg/L	0.00961	0.4833 mg/L	0.00961	1.99%
Cu 327.393†	33291.5	0.4982 mg/L	0.00659	0.4982 mg/L	0.00659	1.32%
Fe 238.204†	1170.9	0.5352 mg/L	0.01067	0.5352 mg/L	0.01067	1.99%
Fe 239.562†	890.2	0.5320 mg/L	0.01105	0.5320 mg/L	0.01105	2.08%
Fe 259.939†	2281.0	0.5370 mg/L	0.00859	0.5370 mg/L	0.00859	1.60%
Fe 273.955†	396.9	0.5980 mg/L	0.00780	0.5980 mg/L	0.00780	1.30%
K 766.490†	1075.4	2.358 mg/L	0.0423	2.358 mg/L	0.0423	1.79%
Li 610.362†	-85.4	-0.01173 mg/L	0.005088	-0.01173 mg/L	0.005088	43.38%
Li 670.784†	-152.1	-0.00287 mg/L	0.001129	-0.00287 mg/L	0.001129	39.38%
Mg 279.077†	746.4	1.130 mg/L	0.0280	1.130 mg/L	0.0280	2.48%
Mg 280.271†	111405.5	1.119 mg/L	0.0042	1.119 mg/L	0.0042	0.38%
Mg 285.213†	3703.7	1.091 mg/L	0.0105	1.091 mg/L	0.0105	0.97%
Mn 257.610†	296.3	0.01745 mg/L	0.000500	0.01745 mg/L	0.000500	2.87%
Mn 259.372†	473.9	0.01715 mg/L	0.000485	0.01715 mg/L	0.000485	2.83%
Mn 260.568†	185.8	0.01665 mg/L	0.000185	0.01665 mg/L	0.000185	1.11%
Mo 202.031†	0.5	0.00323 mg/L	0.014840	0.00323 mg/L	0.014840	460.13%
Mo 203.845†	1.2	0.01202 mg/L	0.007982	0.01202 mg/L	0.007982	66.40%
Mo 204.597†	8.0	0.00111 mg/L	0.000418	0.00111 mg/L	0.000418	37.78%
Na 588.995†	248608.1	49.71 mg/L	0.066	49.71 mg/L	0.066	0.13%
Na 589.592†	261148.2	49.71 mg/L	0.106	49.71 mg/L	0.106	0.21%
Ni 221.648†	-8.6	-0.05304 mg/L	0.002845	-0.05304 mg/L	0.002845	5.36%
Ni 231.604†	87.9	0.00592 mg/L	0.000275	0.00592 mg/L	0.000275	4.65%
Ni 232.003†	1.7	0.00531 mg/L	0.003200	0.00531 mg/L	0.003200	60.27%
Pb 217.000†	1.4	0.02712 mg/L	0.019019	0.02712 mg/L	0.019019	70.12%
Pb 220.353†	32.1	0.01189 mg/L	0.001367	0.01189 mg/L	0.001367	11.50%
Sb 206.836†	6.7	0.00304 mg/L	0.000845	0.00304 mg/L	0.000845	27.81%
Sb 217.582†	0.2	0.00475 mg/L	0.023230	0.00475 mg/L	0.023230	488.55%
Se 196.026†	1.8	0.00202 mg/L	0.002321	0.00202 mg/L	0.002321	114.75%
Se 203.985†	-0.8	-0.00137 mg/L	0.003237	-0.00137 mg/L	0.003237	235.93%
Sn 189.927†	0.8	0.00056 mg/L	0.001057	0.00056 mg/L	0.001057	188.87%
Sn 235.485†	2.9	0.02620 mg/L	0.012227	0.02620 mg/L	0.012227	46.68%
Sr 407.771†	1500.1	0.00670 mg/L	0.000108	0.00670 mg/L	0.000108	1.61%
Sr 421.552†	1691.5	0.00678 mg/L	0.000188	0.00678 mg/L	0.000188	2.77%
Sr 460.733†	46.7	0.00432 mg/L	0.005486	0.00432 mg/L	0.005486	127.10%
Ti 334.940†	194.8	0.01040 mg/L	0.000167	0.01040 mg/L	0.000167	1.60%
Ti 336.121†	187.4	0.01176 mg/L	0.000900	0.01176 mg/L	0.000900	7.66%
Ti 337.279†	77.9	0.01077 mg/L	0.000098	0.01077 mg/L	0.000098	0.91%
Tl 190.801†	-3.3	-0.00346 mg/L	0.001282	-0.00346 mg/L	0.001282	37.03%

Tl 276.787†	42.0	0.00927	mg/L	0.003794	0.00927	mg/L	0.003794	40.91%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
V 290.880†	-0.2	-0.00007	mg/L	0.001170	-0.00007	mg/L	0.001170	>999.9%
V 309.310†	-1.7	-0.00032	mg/L	0.000281	-0.00032	mg/L	0.000281	87.95%
V 310.230†	-1100.3	-0.00633	mg/L	0.000089	-0.00633	mg/L	0.000089	1.41%
Zn 202.548†	90.6	0.09457	mg/L	0.003475	0.09457	mg/L	0.003475	3.67%
Zn 206.200†	45.2	0.09396	mg/L	0.001944	0.09396	mg/L	0.001944	2.07%
Zn 213.857†	223.3	0.09623	mg/L	0.002314	0.09623	mg/L	0.002314	2.40%

Sequence No.: 54
Sample ID: 2002AH18S01 2X
Analyst:
Sample Wt:
Dilution: 2X

Autosampler Location: 45
Date Collected: 1/3/02 2:20:48 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 2002AH18S01 2X

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	296550.7						6740.00	2.27%
Y 360.073	3975390.5						53036.08	1.33%
Ag 328.068†	24.8	0.00017	mg/L	0.000350	0.00034	mg/L	0.000700	205.76%
Ag 338.289†	70.8	0.00078	mg/L	0.000493	0.00156	mg/L	0.000986	63.41%
Al 308.215†	412.1	0.6713	mg/L	0.01163	1.343	mg/L	0.0233	1.73%
Al 394.401†	534.3	0.6906	mg/L	0.01992	1.381	mg/L	0.0398	2.88%
Al 396.153†	2279.2	0.7042	mg/L	0.01591	1.408	mg/L	0.0318	2.26%
As 188.979†	-1.0	-0.05218	mg/L	0.016876	-0.1044	mg/L	0.03375	32.34%
As 193.696†	-0.7	-0.00094	mg/L	0.002379	-0.00188	mg/L	0.004758	252.44%
As 197.197†	-0.7	-0.05347	mg/L	0.005204	-0.1069	mg/L	0.01041	9.73%
B 208.889†	23.8	0.1819	mg/L	0.01971	0.3639	mg/L	0.03941	10.83%
B 249.677†	174.4	0.1865	mg/L	0.00126	0.3730	mg/L	0.00252	0.67%
B 249.772†	385.7	0.1904	mg/L	0.00469	0.3808	mg/L	0.00938	2.46%
Ba 233.527†	355.0	0.1251	mg/L	0.00191	0.2503	mg/L	0.00382	1.53%
Ba 455.403†	11100.5	0.1316	mg/L	0.00035	0.2632	mg/L	0.00071	0.27%
Ba 493.408†	20784.2	0.1279	mg/L	0.00064	0.2559	mg/L	0.00127	0.50%
Be 234.861†	-271.8	-0.00068	mg/L	0.000038	-0.00136	mg/L	0.000076	5.55%
Be 313.042†	-2.5	-0.00004	mg/L	0.000062	-0.00008	mg/L	0.000124	162.58%
Be 313.107†	-2.5	-0.00004	mg/L	0.000062	-0.00008	mg/L	0.000124	162.58%
Ca 315.887†	8399.0	2.819	mg/L	0.0348	5.638	mg/L	0.0695	1.23%
Ca 317.933†	6409.7	2.733	mg/L	0.0319	5.466	mg/L	0.0637	1.17%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	8.4	0.00022	mg/L	0.000090	0.00044	mg/L	0.000180	41.21%
Cd 228.802†	-0.2	-0.00007	mg/L	0.000449	-0.00014	mg/L	0.000898	638.52%
Ce 413.380†	-6.6	-0.00426	mg/L	0.003366	-0.00852	mg/L	0.006731	78.97%
Ce 413.764†	-2.7	-0.00161	mg/L	0.007588	-0.00322	mg/L	0.015176	471.48%
Ce 418.660†	-49.7	-0.01568	mg/L	0.005468	-0.03135	mg/L	0.010937	34.88%
Co 228.616†	17.8	0.00047	mg/L	0.000265	0.00094	mg/L	0.000530	56.12%
Co 230.786†	2.2	0.00313	mg/L	0.001913	0.00626	mg/L	0.003825	61.10%
Co 238.892†	-1.2	-0.00131	mg/L	0.000833	-0.00262	mg/L	0.001666	63.48%
Cr 205.560†	0.4	0.00235	mg/L	0.004787	0.00471	mg/L	0.009573	203.28%
Cr 267.716†	108.7	0.00389	mg/L	0.000102	0.00777	mg/L	0.000204	2.63%
Cr 283.563†	14.7	0.00432	mg/L	0.001243	0.00863	mg/L	0.002487	28.81%
Cu 224.700†	452.4	1.090	mg/L	0.0307	2.181	mg/L	0.0615	2.82%
Cu 324.752†	8214.4	1.079	mg/L	0.0064	2.157	mg/L	0.0127	0.59%
Cu 327.393†	72563.7	1.086	mg/L	0.0142	2.172	mg/L	0.0284	1.31%
Fe 238.204†	636.0	0.2907	mg/L	0.00768	0.5815	mg/L	0.01537	2.64%
Fe 239.562†	479.1	0.2863	mg/L	0.00687	0.5727	mg/L	0.01374	2.40%
Fe 259.939†	1250.7	0.2945	mg/L	0.00790	0.5889	mg/L	0.01580	2.68%
Fe 273.955†	213.4	0.3215	mg/L	0.00726	0.6430	mg/L	0.01451	2.26%
K 766.490†	565.5	1.240	mg/L	0.0691	2.480	mg/L	0.1382	5.57%
Li 610.362†	83.9	0.01153	mg/L	0.000954	0.02305	mg/L	0.001907	8.27%
Li 670.784†	-93.0	-0.00175	mg/L	0.000713	-0.00351	mg/L	0.001426	40.65%
Mg 279.077†	484.7	0.7337	mg/L	0.01780	1.467	mg/L	0.0356	2.43%
Mg 280.271†	72911.2	0.7325	mg/L	0.00604	1.465	mg/L	0.0121	0.82%
Mg 285.213†	2466.0	0.7265	mg/L	0.00390	1.453	mg/L	0.0078	0.54%
Mn 257.610†	211.1	0.01243	mg/L	0.000362	0.02486	mg/L	0.000724	2.91%
Mn 259.372†	333.8	0.01219	mg/L	0.000230	0.02439	mg/L	0.000460	1.89%
Mn 260.568†	132.6	0.01188	mg/L	0.000504	0.02376	mg/L	0.001008	4.24%
Mo 202.031†	-0.3	-0.00195	mg/L	0.003165	-0.00390	mg/L	0.006331	162.24%

Mo 203.845†	-0.9	-0.00888 mg/L	0.015438	-0.01775 mg/L	0.030875	173.94%
Mo 204.597†	-2.2	-0.00031 mg/L	0.000416	-0.00062 mg/L	0.000832	135.11%
Na 588.995†	123505.3	24.70 mg/L	0.138	49.39 mg/L	0.276	0.56%
Na 589.592†	129040.9	24.56 mg/L	0.127	49.12 mg/L	0.255	0.52%
Ni 221.648†	-5.3	-0.03273 mg/L	0.005548	-0.06545 mg/L	0.011097	16.95%
Ni 231.604†	19.5	0.00131 mg/L	0.000118	0.00262 mg/L	0.000235	8.97%
Ni 232.003†	0.8	0.00260 mg/L	0.002282	0.00520 mg/L	0.004564	87.82%
Pb 217.000†	-0.1	-0.00134 mg/L	0.012768	-0.00267 mg/L	0.025537	956.03%
Pb 220.353†	16.2	0.00600 mg/L	0.000136	0.01201 mg/L	0.000273	2.27%
Sb 206.836†	5.0	0.00226 mg/L	0.001108	0.00453 mg/L	0.002216	48.98%
Sb 217.582†	-0.7	-0.02131 mg/L	0.032759	-0.04263 mg/L	0.065519	153.71%
Se 196.026†	5.0	0.00558 mg/L	0.003836	0.01117 mg/L	0.007671	68.70%
Se 203.985†	0.8	0.00138 mg/L	0.002286	0.00275 mg/L	0.004573	166.21%
Sn 189.927†	-0.5	-0.00034 mg/L	0.001221	-0.00067 mg/L	0.002441	363.24%
Sn 235.485†	3.3	0.03051 mg/L	0.007901	0.06103 mg/L	0.015801	25.89%
Sr 407.771†	678.4	0.00303 mg/L	0.000039	0.00606 mg/L	0.000078	1.29%
Sr 421.552†	758.6	0.00304 mg/L	0.000142	0.00608 mg/L	0.000283	4.66%
Sr 460.733†	6.2	0.00057 mg/L	0.011059	0.00115 mg/L	0.022117	>999.9%
Ti 334.940†	131.7	0.00703 mg/L	0.001055	0.01406 mg/L	0.002110	15.01%
Ti 336.121†	114.8	0.00720 mg/L	0.000294	0.01440 mg/L	0.000588	4.08%
Ti 337.279†	50.4	0.00697 mg/L	0.001055	0.01395 mg/L	0.002109	15.12%
Tl 190.801†	-0.0	-0.00003 mg/L	0.001460	-0.00005 mg/L	0.002920	>999.9%
Tl 276.787†	30.7	0.00678 mg/L	0.000861	0.01356 mg/L	0.001722	12.70%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-2.2	-0.00085 mg/L	0.001121	-0.00169 mg/L	0.002242	132.32%
V 309.310†	-2.2	-0.00041 mg/L	0.000312	-0.00083 mg/L	0.000624	75.66%
V 310.230†	-1198.0	-0.00689 mg/L	0.000606	-0.01378 mg/L	0.001212	8.80%
Zn 202.548†	69.4	0.06722 mg/L	0.002479	0.1344 mg/L	0.00496	3.69%
Zn 206.200†	31.1	0.06468 mg/L	0.001917	0.1294 mg/L	0.00383	2.96%
Zn 213.857†	154.9	0.06640 mg/L	0.001724	0.1328 mg/L	0.00345	2.60%

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Sequence No.: 55
Sample ID: wash
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 1/3/02 2:25:18 PM

Sample Prep Volume:
Data Type: Original

Mean Data: wash

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	303472.2						389.18	0.13%
Y 360.073	4019198.7						2995.63	0.07%
Ag 328.068†	-22.7	-0.00016	mg/L	0.000134	-0.00016	mg/L	0.000134	86.18%
Ag 338.289†	30.9	0.00034	mg/L	0.000146	0.00034	mg/L	0.000146	43.00%
Al 308.215†	18.6	0.03027	mg/L	0.004186	0.03027	mg/L	0.004186	13.83%
Al 394.401†	10.4	0.01348	mg/L	0.005597	0.01348	mg/L	0.005597	41.52%
Al 396.153†	41.6	0.01296	mg/L	0.005664	0.01296	mg/L	0.005664	43.71%
As 188.979†	-0.6	-0.02886	mg/L	0.023920	-0.02886	mg/L	0.023920	82.88%
As 193.696†	1.3	0.00179	mg/L	0.002088	0.00179	mg/L	0.002088	116.81%
As 197.197†	-0.6	-0.04981	mg/L	0.049629	-0.04981	mg/L	0.049629	99.63%
B 208.889†	-1.5	-0.01118	mg/L	0.028206	-0.01118	mg/L	0.028206	252.25%
B 249.677†	1.0	0.00108	mg/L	0.001271	0.00108	mg/L	0.001271	117.81%
B 249.772†	4.4	0.00219	mg/L	0.001588	0.00219	mg/L	0.001588	72.45%
Ba 233.527†	-0.3	-0.00012	mg/L	0.000124	-0.00012	mg/L	0.000124	106.47%
Ba 455.403†	-3.3	-0.00004	mg/L	0.000005	-0.00004	mg/L	0.000005	12.00%
Ba 493.408†	38.6	0.00024	mg/L	0.000413	0.00024	mg/L	0.000413	173.57%
Be 234.861†	40.9	0.00010	mg/L	0.000034	0.00010	mg/L	0.000034	33.40%
Be 313.042†	-6.5	-0.00010	mg/L	0.000009	-0.00010	mg/L	0.000009	9.16%
Be 313.107†	-6.5	-0.00010	mg/L	0.000009	-0.00010	mg/L	0.000009	9.16%
Ca 315.887†	87.5	0.02938	mg/L	0.000763	0.02938	mg/L	0.000763	2.60%
Ca 317.933†	7.0	0.00298	mg/L	0.000699	0.00298	mg/L	0.000699	23.48%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	-2.9	-0.00008	mg/L	0.000025	-0.00008	mg/L	0.000025	32.46%
Cd 228.802†	0.1	0.00006	mg/L	0.000501	0.00006	mg/L	0.000501	855.07%
Ce 413.380†	10.7	0.00687	mg/L	0.002605	0.00687	mg/L	0.002605	37.90%
Ce 413.764†	5.6	0.00333	mg/L	0.006044	0.00333	mg/L	0.006044	181.61%
Ce 418.660†	19.3	0.00609	mg/L	0.013496	0.00609	mg/L	0.013496	221.74%
Co 228.616†	-11.9	-0.00032	mg/L	0.000135	-0.00032	mg/L	0.000135	42.62%

Co 230.786†	0.5	0.00076	mg/L	0.000310	0.00076	mg/L	0.000310	40.84%
Co 238.892†	-0.6	-0.00068	mg/L	0.000698	-0.00068	mg/L	0.000698	102.56%
Cr 205.560†	-0.2	-0.00145	mg/L	0.004154	-0.00145	mg/L	0.004154	287.44%
Cr 267.716†	-1.6	-0.00006	mg/L	0.000082	-0.00006	mg/L	0.000082	144.41%
Cr 283.563†	1.4	0.00040	mg/L	0.000728	0.00040	mg/L	0.000728	183.68%
Cu 224.700†	1.2	0.00285	mg/L	0.004622	0.00285	mg/L	0.004622	162.03%
Cu 324.752†	-12.3	-0.00161	mg/L	0.000099	-0.00161	mg/L	0.000099	6.17%
Cu 327.393†	-91.6	-0.00137	mg/L	0.000216	-0.00137	mg/L	0.000216	15.78%
Fe 238.204†	11.2	0.00510	mg/L	0.001051	0.00510	mg/L	0.001051	20.61%
Fe 239.562†	6.8	0.00407	mg/L	0.000966	0.00407	mg/L	0.000966	23.76%
Fe 259.939†	22.5	0.00529	mg/L	0.000187	0.00529	mg/L	0.000187	3.54%
Fe 273.955†	2.9	0.00437	mg/L	0.002403	0.00437	mg/L	0.002403	54.94%
K 766.490†	-296.3	-0.6496	mg/L	0.06055	-0.6496	mg/L	0.06055	9.32%
Li 610.362†	86.2	0.01184	mg/L	0.009275	0.01184	mg/L	0.009275	78.35%
Li 670.784†	-257.6	-0.00486	mg/L	0.000828	-0.00486	mg/L	0.000828	17.05%
Mg 279.077†	6.3	0.00958	mg/L	0.010037	0.00958	mg/L	0.010037	104.76%
Mg 280.271†	1969.6	0.01979	mg/L	0.000064	0.01979	mg/L	0.000064	0.32%
Mg 285.213†	68.1	0.02005	mg/L	0.000498	0.02005	mg/L	0.000498	2.48%
Mn 257.610†	-5.1	-0.00030	mg/L	0.000052	-0.00030	mg/L	0.000052	17.23%
Mn 259.372†	-10.1	-0.00038	mg/L	0.000281	-0.00038	mg/L	0.000281	73.66%
Mn 260.568†	-1.1	-0.00010	mg/L	0.000129	-0.00010	mg/L	0.000129	132.97%
Mo 202.031†	-0.1	-0.00067	mg/L	0.007220	-0.00067	mg/L	0.007220	>999.9%
Mo 203.845†	0.3	0.00341	mg/L	0.011363	0.00341	mg/L	0.011363	333.33%
Mo 204.597†	-2.3	-0.00032	mg/L	0.000380	-0.00032	mg/L	0.000380	120.23%
Na 588.995†	216.6	0.04330	mg/L	0.016461	0.04330	mg/L	0.016461	38.01%
Na 589.592†	-22.6	-0.00430	mg/L	0.024856	-0.00430	mg/L	0.024856	577.55%
Ni 221.648†	0.1	0.00062	mg/L	0.001410	0.00062	mg/L	0.001410	226.73%
Ni 231.604†	-1.8	-0.00012	mg/L	0.000146	-0.00012	mg/L	0.000146	117.48%
Ni 232.003†	0.0	0.00003	mg/L	0.004930	0.00003	mg/L	0.004930	>999.9%
Pb 217.000†	0.3	0.00537	mg/L	0.039046	0.00537	mg/L	0.039046	727.67%
Pb 220.353†	-4.9	-0.00180	mg/L	0.000596	-0.00180	mg/L	0.000596	33.06%
Sb 206.836†	4.0	0.00185	mg/L	0.001071	0.00185	mg/L	0.001071	58.03%
Sb 217.582†	-1.0	-0.03012	mg/L	0.012645	-0.03012	mg/L	0.012645	41.98%
Se 196.026†	-0.6	-0.00063	mg/L	0.002215	-0.00063	mg/L	0.002215	352.89%
Se 203.985†	4.4	0.00772	mg/L	0.003822	0.00772	mg/L	0.003822	49.51%
Sn 189.927†	-4.5	-0.00328	mg/L	0.000822	-0.00328	mg/L	0.000822	25.08%
Sn 235.485†	2.1	0.01897	mg/L	0.009894	0.01897	mg/L	0.009894	52.15%
Sr 407.771†	-35.9	-0.00016	mg/L	0.000091	-0.00016	mg/L	0.000091	56.81%
Sr 421.552†	-12.0	-0.00005	mg/L	0.000024	-0.00005	mg/L	0.000024	50.72%
Sr 460.733†	-49.2	-0.00454	mg/L	0.002567	-0.00454	mg/L	0.002567	56.51%
Ti 334.940†	-3.5	-0.00019	mg/L	0.000077	-0.00019	mg/L	0.000077	41.82%
Ti 336.121†	10.6	0.00067	mg/L	0.000806	0.00067	mg/L	0.000806	120.68%
Ti 337.279†	-0.3	-0.00004	mg/L	0.000052	-0.00004	mg/L	0.000052	142.23%
Tl 190.801†	-0.0	-0.00001	mg/L	0.001368	-0.00001	mg/L	0.001368	>999.9%
Tl 276.787†	7.2	0.00160	mg/L	0.001914	0.00160	mg/L	0.001914	119.98%
Tl 351.924†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
V 290.880†	-2.3	-0.00087	mg/L	0.000716	-0.00087	mg/L	0.000716	82.35%
V 309.310†	-3.4	-0.00063	mg/L	0.000513	-0.00063	mg/L	0.000513	81.08%
V 310.230†	-1344.8	-0.00773	mg/L	0.000189	-0.00773	mg/L	0.000189	2.45%
Zn 202.548†	-5.5	-0.00598	mg/L	0.001093	-0.00598	mg/L	0.001093	18.28%
Zn 206.200†	-2.3	-0.00479	mg/L	0.001022	-0.00479	mg/L	0.001022	21.31%
Zn 213.857†	-10.6	-0.00461	mg/L	0.000628	-0.00461	mg/L	0.000628	13.63%

Sequence No.: 56
Sample ID: BLANK
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/3/02 2:29:50 PM
Sample Prep Volume:
Data Type: Original

Mean Data: BLANK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	291996.7						1748.99	0.60%
Y 360.073	3973794.8						52084.14	1.31%
Ag 328.068†	-30.6	-0.00021	mg/L	0.000059	-0.00021	mg/L	0.000059	27.95%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Ag 338.289†	12.5	0.00014	mg/L	0.000760	0.00014	mg/L	0.000760	553.18%
QC value within limits for Ag 338.289 Recovery = Not calculated								

Al 308.215†	2.3	0.00379 mg/L	0.001290	0.00379 mg/L	0.001290	34.04%
QC value within limits for Al 308.215 Recovery = Not calculated						
Al 394.401†	-6.4	-0.00827 mg/L	0.004640	-0.00827 mg/L	0.004640	56.10%
QC value within limits for Al 394.401 Recovery = Not calculated						
Al 396.153†	-16.3	-0.00487 mg/L	0.003129	-0.00487 mg/L	0.003129	64.21%
QC value within limits for Al 396.153 Recovery = Not calculated						
As 188.979†	-0.0	-0.00010 mg/L	0.114271	-0.00010 mg/L	0.114271	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated						
As 193.696†	-1.7	-0.00227 mg/L	0.002303	-0.00227 mg/L	0.002303	101.58%
QC value within limits for As 193.696 Recovery = Not calculated						
As 197.197†	-0.9	-0.06961 mg/L	0.029292	-0.06961 mg/L	0.029292	42.08%
QC value within limits for As 197.197 Recovery = Not calculated						
B 208.889†	-1.9	-0.01474 mg/L	0.011929	-0.01474 mg/L	0.011929	80.94%
QC value within limits for B 208.889 Recovery = Not calculated						
B 249.677†	0.8	0.00089 mg/L	0.005689	0.00089 mg/L	0.005689	638.23%
QC value within limits for B 249.677 Recovery = Not calculated						
B 249.772†	4.2	0.00209 mg/L	0.002250	0.00209 mg/L	0.002250	107.81%
QC value within limits for B 249.772 Recovery = Not calculated						
Ba 233.527†	-0.5	-0.00018 mg/L	0.000205	-0.00018 mg/L	0.000205	114.59%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Ba 455.403†	-5.3	-0.00006 mg/L	0.000133	-0.00006 mg/L	0.000133	211.11%
QC value within limits for Ba 455.403 Recovery = Not calculated						
Ba 493.408†	-14.7	-0.00009 mg/L	0.000210	-0.00009 mg/L	0.000210	231.47%
QC value within limits for Ba 493.408 Recovery = Not calculated						
Be 234.861†	50.7	0.00013 mg/L	0.000020	0.00013 mg/L	0.000020	16.04%
QC value within limits for Be 234.861 Recovery = Not calculated						
Be 313.042†	-5.1	-0.00008 mg/L	0.000024	-0.00008 mg/L	0.000024	30.93%
QC value within limits for Be 313.042 Recovery = Not calculated						
Be 313.107†	-5.1	-0.00008 mg/L	0.000024	-0.00008 mg/L	0.000024	30.93%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	-3.6	-0.00121 mg/L	0.002988	-0.00121 mg/L	0.002988	246.44%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Ca 317.933†	-49.2	-0.02098 mg/L	0.001084	-0.02098 mg/L	0.001084	5.17%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
QC value within limits for Cd 214.440 Recovery = Not calculated						
Cd 226.502†	-1.0	-0.00003 mg/L	0.000063	-0.00003 mg/L	0.000063	244.42%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Cd 228.802†	1.2	0.00053 mg/L	0.000182	0.00053 mg/L	0.000182	34.27%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Ce 413.380†	9.0	0.00580 mg/L	0.005478	0.00580 mg/L	0.005478	94.36%
QC value within limits for Ce 413.380 Recovery = Not calculated						
Ce 413.764†	12.1	0.00726 mg/L	0.002044	0.00726 mg/L	0.002044	28.16%
QC value within limits for Ce 413.764 Recovery = Not calculated						
Ce 418.660†	-10.6	-0.00336 mg/L	0.008672	-0.00336 mg/L	0.008672	258.44%
QC value within limits for Ce 418.660 Recovery = Not calculated						
Co 228.616†	0.9	0.00002 mg/L	0.000242	0.00002 mg/L	0.000242	999.12%
QC value within limits for Co 228.616 Recovery = Not calculated						
Co 230.786†	1.3	0.00189 mg/L	0.001156	0.00189 mg/L	0.001156	61.05%
QC value within limits for Co 230.786 Recovery = Not calculated						
Co 238.892†	-1.6	-0.00170 mg/L	0.001331	-0.00170 mg/L	0.001331	78.19%
QC value within limits for Co 238.892 Recovery = Not calculated						
Cr 205.560†	0.1	0.00037 mg/L	0.001462	0.00037 mg/L	0.001462	395.42%
QC value within limits for Cr 205.560 Recovery = Not calculated						
Cr 267.716†	-3.2	-0.00011 mg/L	0.000098	-0.00011 mg/L	0.000098	86.68%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cr 283.563†	1.6	0.00048 mg/L	0.000836	0.00048 mg/L	0.000836	174.26%
QC value within limits for Cr 283.563 Recovery = Not calculated						
Cu 224.700†	1.2	0.00294 mg/L	0.002739	0.00294 mg/L	0.002739	93.06%
QC value within limits for Cu 224.700 Recovery = Not calculated						
Cu 324.752†	1.2	0.00015 mg/L	0.000511	0.00015 mg/L	0.000511	336.44%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Cu 327.393†	31.2	0.00047 mg/L	0.000273	0.00047 mg/L	0.000273	58.56%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	-7.5	-0.00344 mg/L	0.000311	-0.00344 mg/L	0.000311	9.04%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Fe 239.562†	-7.4	-0.00443 mg/L	0.000674	-0.00443 mg/L	0.000674	15.23%
QC value within limits for Fe 239.562 Recovery = Not calculated						
Fe 259.939†	-17.2	-0.00404 mg/L	0.000382	-0.00404 mg/L	0.000382	9.44%
QC value within limits for Fe 259.939 Recovery = Not calculated						

Fe 273.955†	-2.0	-0.00299 mg/L	0.001986	-0.00299 mg/L	0.001986	66.47%
QC value within limits for Fe 273.955 Recovery = Not calculated						
K 766.490†	-120.5	-0.2641 mg/L	0.04150	-0.2641 mg/L	0.04150	15.71%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 610.362†	42.3	0.00581 mg/L	0.005569	0.00581 mg/L	0.005569	95.92%
QC value within limits for Li 610.362 Recovery = Not calculated						
Li 670.784†	-93.6	-0.00176 mg/L	0.002382	-0.00176 mg/L	0.002382	135.05%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	-0.9	-0.00136 mg/L	0.005539	-0.00136 mg/L	0.005539	407.33%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Mg 280.271†	-465.0	-0.00467 mg/L	0.000088	-0.00467 mg/L	0.000088	1.88%
QC value within limits for Mg 280.271 Recovery = Not calculated						
Mg 285.213†	-13.7	-0.00402 mg/L	0.000175	-0.00402 mg/L	0.000175	4.34%
QC value within limits for Mg 285.213 Recovery = Not calculated						
Mn 257.610†	-3.7	-0.00022 mg/L	0.000084	-0.00022 mg/L	0.000084	38.61%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mn 259.372†	-4.9	-0.00018 mg/L	0.000025	-0.00018 mg/L	0.000025	13.37%
QC value within limits for Mn 259.372 Recovery = Not calculated						
Mn 260.568†	-4.0	-0.00036 mg/L	0.000076	-0.00036 mg/L	0.000076	21.37%
QC value within limits for Mn 260.568 Recovery = Not calculated						
Mo 202.031†	0.1	0.00065 mg/L	0.004724	0.00065 mg/L	0.004724	724.87%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Mo 203.845†	-0.3	-0.00299 mg/L	0.007972	-0.00299 mg/L	0.007972	266.91%
QC value within limits for Mo 203.845 Recovery = Not calculated						
Mo 204.597†	-4.3	-0.00059 mg/L	0.000374	-0.00059 mg/L	0.000374	63.21%
QC value within limits for Mo 204.597 Recovery = Not calculated						
Na 588.995†	724.6	0.1449 mg/L	0.00804	0.1449 mg/L	0.00804	5.55%
QC value within limits for Na 588.995 Recovery = Not calculated						
Na 589.592†	704.3	0.1341 mg/L	0.01575	0.1341 mg/L	0.01575	11.75%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 221.648†	0.1	0.00090 mg/L	0.002693	0.00090 mg/L	0.002693	299.00%
QC value within limits for Ni 221.648 Recovery = Not calculated						
Ni 231.604†	-2.5	-0.00017 mg/L	0.000287	-0.00017 mg/L	0.000287	170.36%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Ni 232.003†	-0.1	-0.00025 mg/L	0.003838	-0.00025 mg/L	0.003838	>999.9%
QC value within limits for Ni 232.003 Recovery = Not calculated						
Pb 217.000†	-0.5	-0.00962 mg/L	0.003620	-0.00962 mg/L	0.003620	37.64%
QC value within limits for Pb 217.000 Recovery = Not calculated						
Pb 220.353†	-3.2	-0.00120 mg/L	0.000768	-0.00120 mg/L	0.000768	63.90%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	0.8	0.00037 mg/L	0.001768	0.00037 mg/L	0.001768	473.48%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Sb 217.582†	-0.4	-0.01151 mg/L	0.043537	-0.01151 mg/L	0.043537	378.36%
QC value within limits for Sb 217.582 Recovery = Not calculated						
Se 196.026†	-1.2	-0.00135 mg/L	0.004012	-0.00135 mg/L	0.004012	296.70%
QC value within limits for Se 196.026 Recovery = Not calculated						
Se 203.985†	4.5	0.00785 mg/L	0.003555	0.00785 mg/L	0.003555	45.32%
QC value within limits for Se 203.985 Recovery = Not calculated						
Sn 189.927†	-2.7	-0.00195 mg/L	0.001027	-0.00195 mg/L	0.001027	52.57%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sn 235.485†	3.0	0.02746 mg/L	0.031019	0.02746 mg/L	0.031019	112.98%
QC value within limits for Sn 235.485 Recovery = Not calculated						
Sr 407.771†	-18.9	-0.00008 mg/L	0.000036	-0.00008 mg/L	0.000036	42.42%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Sr 421.552†	48.7	0.00019 mg/L	0.000043	0.00019 mg/L	0.000043	22.20%
QC value within limits for Sr 421.552 Recovery = Not calculated						
Sr 460.733†	-53.1	-0.00490 mg/L	0.008174	-0.00490 mg/L	0.008174	166.73%
QC value within limits for Sr 460.733 Recovery = Not calculated						
Ti 334.940†	-2.3	-0.00012 mg/L	0.000067	-0.00012 mg/L	0.000067	54.36%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Ti 336.121†	6.0	0.00038 mg/L	0.000192	0.00038 mg/L	0.000192	51.16%
QC value within limits for Ti 336.121 Recovery = Not calculated						
Ti 337.279†	0.5	0.00006 mg/L	0.000328	0.00006 mg/L	0.000328	523.59%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	-0.5	-0.00057 mg/L	0.000997	-0.00057 mg/L	0.000997	174.07%
QC value within limits for Tl 190.801 Recovery = Not calculated						
Tl 276.787†	-9.4	-0.00207 mg/L	0.001167	-0.00207 mg/L	0.001167	56.50%
QC value within limits for Tl 276.787 Recovery = Not calculated						
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
QC value within limits for Tl 351.924 Recovery = Not calculated						

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V 290.880†                -3.0    -0.00116 mg/L      0.000889    -0.00116 mg/L      0.000889  76.48%
   QC value within limits for V 290.880  Recovery = Not calculated
V 309.310†                -1.7    -0.00031 mg/L      0.000618    -0.00031 mg/L      0.000618 199.65%
   QC value within limits for V 309.310  Recovery = Not calculated
V 310.230†             -1427.1    -0.00821 mg/L      0.000436    -0.00821 mg/L      0.000436   5.32%
   QC value within limits for V 310.230  Recovery = Not calculated
Zn 202.548†               -2.8    -0.00306 mg/L      0.000952    -0.00306 mg/L      0.000952  31.16%
   QC value within limits for Zn 202.548  Recovery = Not calculated
Zn 206.200†               -1.1    -0.00219 mg/L      0.000609    -0.00219 mg/L      0.000609  27.85%
   QC value within limits for Zn 206.200  Recovery = Not calculated
Zn 213.857†               -3.9    -0.00168 mg/L      0.000553    -0.00168 mg/L      0.000553  32.88%
   QC value within limits for Zn 213.857  Recovery = Not calculated
All analytes passed QC.
```

Sequence No.: 57 **Autosampler Location: 2**
Sample ID: LCM1 **Date Collected: 1/3/02 2:34:17 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: LCM1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	298032.0						9702.48	3.26%
Y 360.073	3959831.4						66999.74	1.69%
Ag 328.068†	32097.4	0.2203	mg/L	0.00314	0.2203	mg/L	0.00314	1.42%
Ag 338.289†	19896.7	0.2186	mg/L	0.00218	0.2186	mg/L	0.00218	1.00%
Al 308.215†	586.2	0.9549	mg/L	0.02205	0.9549	mg/L	0.02205	2.31%
QC value within limits for Al 308.215 Recovery = 95.49%								
Al 394.401†	778.1	1.006	mg/L	0.0305	1.006	mg/L	0.0305	3.03%
QC value within limits for Al 394.401 Recovery = 100.57%								
Al 396.153†	3364.3	1.037	mg/L	0.0161	1.037	mg/L	0.0161	1.55%
QC value within limits for Al 396.153 Recovery = 103.73%								
As 188.979†	37.7	1.887	mg/L	0.0283	1.887	mg/L	0.0283	1.50%
QC value within limits for As 188.979 Recovery = 94.34%								
As 193.696†	1530.4	2.028	mg/L	0.0391	2.028	mg/L	0.0391	1.93%
QC value within limits for As 193.696 Recovery = 101.38%								
As 197.197†	24.9	1.955	mg/L	0.0904	1.955	mg/L	0.0904	4.62%
QC value within limits for As 197.197 Recovery = 97.74%								
B 208.889†	124.4	0.9524	mg/L	0.03522	0.9524	mg/L	0.03522	3.70%
QC value within limits for B 208.889 Recovery = 95.24%								
B 249.677†	869.0	0.9290	mg/L	0.02821	0.9290	mg/L	0.02821	3.04%
QC value within limits for B 249.677 Recovery = 92.90%								
B 249.772†	1883.5	0.9297	mg/L	0.02492	0.9297	mg/L	0.02492	2.68%
QC value within limits for B 249.772 Recovery = 92.97%								
Ba 233.527†	2737.2	0.9649	mg/L	0.00061	0.9649	mg/L	0.00061	0.06%
QC value within limits for Ba 233.527 Recovery = 96.49%								
Ba 455.403†	86083.7	1.021	mg/L	0.0022	1.021	mg/L	0.0022	0.21%
QC value within limits for Ba 455.403 Recovery = 102.07%								
Ba 493.408†	161142.7	0.9920	mg/L	0.00216	0.9920	mg/L	0.00216	0.22%
QC value within limits for Ba 493.408 Recovery = 99.20%								
Be 234.861†	413915.1	1.038	mg/L	0.0155	1.038	mg/L	0.0155	1.50%
QC value within limits for Be 234.861 Recovery = 103.81%								
Be 313.042†	63084.2	0.9447	mg/L	0.00474	0.9447	mg/L	0.00474	0.50%
QC value within limits for Be 313.042 Recovery = 94.47%								
Be 313.107†	63084.2	0.9447	mg/L	0.00474	0.9447	mg/L	0.00474	0.50%
QC value within limits for Be 313.107 Recovery = 94.47%								
Ca 315.887†	3057.8	1.026	mg/L	0.0289	1.026	mg/L	0.0289	2.82%
QC value within limits for Ca 315.887 Recovery = 102.63%								
Ca 317.933†	2311.6	0.9856	mg/L	0.02468	0.9856	mg/L	0.02468	2.50%
QC value within limits for Ca 317.933 Recovery = 98.56%								
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
QC value less than the lower limit for Cd 214.440 Recovery = 0.00%								
Cd 226.502†	37616.2	0.9745	mg/L	0.01426	0.9745	mg/L	0.01426	1.46%
QC value within limits for Cd 226.502 Recovery = 97.45%								
Cd 228.802†	2071.0	0.9495	mg/L	0.02602	0.9495	mg/L	0.02602	2.74%
QC value within limits for Cd 228.802 Recovery = 94.95%								
Ce 413.380†	1573.4	1.011	mg/L	0.0294	1.011	mg/L	0.0294	2.91%

QC value within limits for Ce 413.380 Recovery = 101.06%

Ce 413.764†	1683.4	1.008 mg/L	0.0181	1.008 mg/L	0.0181	1.79%

QC value within limits for Ce 413.764 Recovery = 100.81%

Ce 418.660†	3134.2	0.9887 mg/L	0.02066	0.9887 mg/L	0.02066	2.09%

QC value within limits for Ce 418.660 Recovery = 98.87%

Co 228.616†	35996.1	0.9565 mg/L	0.01417	0.9565 mg/L	0.01417	1.48%

QC value within limits for Co 228.616 Recovery = 95.65%

Co 230.786†	657.9	0.9386 mg/L	0.02979	0.9386 mg/L	0.02979	3.17%

QC value within limits for Co 230.786 Recovery = 93.86%

Co 238.892†	867.9	0.9397 mg/L	0.02643	0.9397 mg/L	0.02643	2.81%

QC value within limits for Co 238.892 Recovery = 93.97%

Cr 205.560†	141.1	0.9495 mg/L	0.02512	0.9495 mg/L	0.02512	2.65%

QC value within limits for Cr 205.560 Recovery = 94.95%

Cr 267.716†	27575.5	0.9859 mg/L	0.01423	0.9859 mg/L	0.01423	1.44%

QC value within limits for Cr 267.716 Recovery = 98.59%

Cr 283.563†	3598.3	1.056 mg/L	0.0094	1.056 mg/L	0.0094	0.89%

QC value within limits for Cr 283.563 Recovery = 105.55%

Cu 224.700†	402.6	0.9705 mg/L	0.02244	0.9705 mg/L	0.02244	2.31%

QC value within limits for Cu 224.700 Recovery = 97.05%

Cu 324.752†	7312.7	0.9602 mg/L	0.00473	0.9602 mg/L	0.00473	0.49%

QC value within limits for Cu 324.752 Recovery = 96.02%

Cu 327.393†	63443.4	0.9494 mg/L	0.01333	0.9494 mg/L	0.01333	1.40%

QC value within limits for Cu 327.393 Recovery = 94.94%

Fe 238.204†	2033.6	0.9296 mg/L	0.02821	0.9296 mg/L	0.02821	3.03%

QC value within limits for Fe 238.204 Recovery = 92.96%

Fe 239.562†	1549.0	0.9258 mg/L	0.02518	0.9258 mg/L	0.02518	2.72%

QC value within limits for Fe 239.562 Recovery = 92.58%

Fe 259.939†	4050.5	0.9537 mg/L	0.00563	0.9537 mg/L	0.00563	0.59%

QC value within limits for Fe 259.939 Recovery = 95.37%

Fe 273.955†	693.3	1.045 mg/L	0.0334	1.045 mg/L	0.0334	3.19%

QC value within limits for Fe 273.955 Recovery = 104.46%

K 766.490†	2905.6	6.370 mg/L	0.0926	6.370 mg/L	0.0926	1.45%

QC value greater than the upper limit for K 766.490 Recovery = 127.40%

Li 610.362†	7353.1	1.010 mg/L	0.0051	1.010 mg/L	0.0051	0.50%

QC value within limits for Li 610.362 Recovery = 100.99%

Li 670.784†	52667.1	0.9927 mg/L	0.00438	0.9927 mg/L	0.00438	0.44%

QC value within limits for Li 670.784 Recovery = 99.27%

Mg 279.077†	637.1	0.9643 mg/L	0.03004	0.9643 mg/L	0.03004	3.12%

QC value within limits for Mg 279.077 Recovery = 96.43%

Mg 280.271†	96512.6	0.9697 mg/L	0.00968	0.9697 mg/L	0.00968	1.00%

QC value within limits for Mg 280.271 Recovery = 96.97%

Mg 285.213†	3260.2	0.9605 mg/L	0.00393	0.9605 mg/L	0.00393	0.41%

QC value within limits for Mg 285.213 Recovery = 96.05%

Mn 257.610†	16843.5	0.9918 mg/L	0.00721	0.9918 mg/L	0.00721	0.73%

QC value within limits for Mn 257.610 Recovery = 99.18%

Mn 259.372†	26407.7	0.9856 mg/L	0.00557	0.9856 mg/L	0.00557	0.57%

QC value within limits for Mn 259.372 Recovery = 98.56%

Mn 260.568†	10691.5	0.9576 mg/L	0.01169	0.9576 mg/L	0.01169	1.22%

QC value within limits for Mn 260.568 Recovery = 95.76%

Mo 202.031†	133.4	0.8522 mg/L	0.03882	0.8522 mg/L	0.03882	4.56%

QC value less than the lower limit for Mo 202.031 Recovery = 85.22%

Mo 203.845†	86.4	0.8732 mg/L	0.03758	0.8732 mg/L	0.03758	4.30%

QC value less than the lower limit for Mo 203.845 Recovery = 87.32%

Mo 204.597†	6137.6	0.8533 mg/L	0.01327	0.8533 mg/L	0.01327	1.56%

QC value less than the lower limit for Mo 204.597 Recovery = 85.33%

Na 588.995†	5248.2	1.049 mg/L	0.0178	1.049 mg/L	0.0178	1.70%
Na 589.592†	5375.6	1.023 mg/L	0.0067	1.023 mg/L	0.0067	0.66%
Ni 221.648†	145.5	0.8996 mg/L	0.03820	0.8996 mg/L	0.03820	4.25%

QC value less than the lower limit for Ni 221.648 Recovery = 89.96%

Ni 231.604†	14855.8	1.000 mg/L	0.0179	1.000 mg/L	0.0179	1.79%

QC value within limits for Ni 231.604 Recovery = 100.03%

Ni 232.003†	300.0	0.9295 mg/L	0.03535	0.9295 mg/L	0.03535	3.80%

QC value within limits for Ni 232.003 Recovery = 92.95%

Pb 217.000†	93.8	1.846 mg/L	0.0983	1.846 mg/L	0.0983	5.33%

QC value within limits for Pb 217.000 Recovery = 92.30%

Pb 220.353†	5305.1	1.962 mg/L	0.0238	1.962 mg/L	0.0238	1.21%

QC value within limits for Pb 220.353 Recovery = 98.09%

Sb 206.836†	4021.8	1.834 mg/L	0.0409	1.834 mg/L	0.0409	2.23%

QC value within limits for Sb 206.836 Recovery = 91.72%

Sb 217.582†	59.2	1.757 mg/L	0.0874	1.757 mg/L	0.0874	4.98%

QC value less than the lower limit for Sb 217.582 Recovery = 87.83%

Se 196.026†	907.4	1.021 mg/L	0.0198	1.021 mg/L	0.0198	1.94%
QC value within limits for Se 196.026 Recovery = 102.12%						
Se 203.985†	595.0	1.047 mg/L	0.0198	1.047 mg/L	0.0198	1.89%
QC value within limits for Se 203.985 Recovery = 104.67%						
Sn 189.927†	6170.4	4.541 mg/L	0.0671	4.541 mg/L	0.0671	1.48%
QC value within limits for Sn 189.927 Recovery = 90.81%						
Sn 235.485†	484.0	4.434 mg/L	0.1279	4.434 mg/L	0.1279	2.88%
QC value less than the lower limit for Sn 235.485 Recovery = 88.68%						
Sr 407.771†	234337.1	1.046 mg/L	0.0032	1.046 mg/L	0.0032	0.31%
QC value within limits for Sr 407.771 Recovery = 104.62%						
Sr 421.552†	253432.9	1.015 mg/L	0.0025	1.015 mg/L	0.0025	0.25%
QC value within limits for Sr 421.552 Recovery = 101.51%						
Sr 460.733†	10909.4	1.008 mg/L	0.0112	1.008 mg/L	0.0112	1.11%
QC value within limits for Sr 460.733 Recovery = 100.76%						
Ti 334.940†	16613.9	0.8870 mg/L	0.00347	0.8870 mg/L	0.00347	0.39%
QC value less than the lower limit for Ti 334.940 Recovery = 88.70%						
Ti 336.121†	14126.4	0.8864 mg/L	0.00702	0.8864 mg/L	0.00702	0.79%
QC value less than the lower limit for Ti 336.121 Recovery = 88.64%						
Ti 337.279†	6352.6	0.8791 mg/L	0.00380	0.8791 mg/L	0.00380	0.43%
QC value less than the lower limit for Ti 337.279 Recovery = 87.91%						
Tl 190.801†	4486.4	4.719 mg/L	0.1015	4.719 mg/L	0.1015	2.15%
QC value within limits for Tl 190.801 Recovery = 94.37%						
Tl 276.787†	20070.0	4.432 mg/L	0.0696	4.432 mg/L	0.0696	1.57%
QC value less than the lower limit for Tl 276.787 Recovery = 88.64%						
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
QC value less than the lower limit for Tl 351.924 Recovery = 0.00%						
V 290.880†	2488.6	0.9513 mg/L	0.00732	0.9513 mg/L	0.00732	0.77%
QC value within limits for V 290.880 Recovery = 95.13%						
V 309.310†	5256.2	0.9831 mg/L	0.01379	0.9831 mg/L	0.01379	1.40%
QC value within limits for V 309.310 Recovery = 98.31%						
V 310.230†	167739.3	0.9646 mg/L	0.01317	0.9646 mg/L	0.01317	1.37%
QC value within limits for V 310.230 Recovery = 96.46%						
Zn 202.548†	880.7	0.9484 mg/L	0.03111	0.9484 mg/L	0.03111	3.28%
QC value within limits for Zn 202.548 Recovery = 94.84%						
Zn 206.200†	458.3	0.9530 mg/L	0.03386	0.9530 mg/L	0.03386	3.55%
QC value within limits for Zn 206.200 Recovery = 95.30%						
Zn 213.857†	2214.0	0.9522 mg/L	0.02612	0.9522 mg/L	0.02612	2.74%
QC value within limits for Zn 213.857 Recovery = 95.22%						

QC Failed. Continue with analysis.

Sequence No.: 58 **Autosampler Location: 3**
Sample ID: LCM2 **Date Collected: 1/3/02 2:38:48 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: LCM2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	298919.9						5888.90	1.97%
Y 360.073	3952535.4						57198.97	1.45%
Ag 328.068†	9351.0	0.06417	mg/L	0.001979	0.06417	mg/L	0.001979	3.08%
QC value greater than the upper limit for Ag 328.068 Recovery = 128.35%								
Ag 338.289†	5960.7	0.06550	mg/L	0.002329	0.06550	mg/L	0.002329	3.56%
QC value greater than the upper limit for Ag 338.289 Recovery = 130.99%								
Al 308.215†	8.8	0.01435	mg/L	0.001684	0.01435	mg/L	0.001684	11.73%
Al 394.401†	5.3	0.00691	mg/L	0.002128	0.00691	mg/L	0.002128	30.80%
Al 396.153†	9.9	0.00322	mg/L	0.005158	0.00322	mg/L	0.005158	160.38%
As 188.979†	0.1	0.00741	mg/L	0.029421	0.00741	mg/L	0.029421	397.29%
As 193.696†	-1.0	-0.00139	mg/L	0.001786	-0.00139	mg/L	0.001786	128.46%
As 197.197†	0.0	0.00210	mg/L	0.014047	0.00210	mg/L	0.014047	670.48%
B 208.889†	-0.1	-0.00106	mg/L	0.018240	-0.00106	mg/L	0.018240	>999.9%
B 249.677†	14.4	0.01544	mg/L	0.004354	0.01544	mg/L	0.004354	28.20%
B 249.772†	33.3	0.01644	mg/L	0.001469	0.01644	mg/L	0.001469	8.94%
Ba 233.527†	1.6	0.00055	mg/L	0.000203	0.00055	mg/L	0.000203	36.83%
Ba 455.403†	28.5	0.00034	mg/L	0.000038	0.00034	mg/L	0.000038	11.35%
Ba 493.408†	46.5	0.00029	mg/L	0.000064	0.00029	mg/L	0.000064	22.23%

Be 234.861†	85.5	0.00021 mg/L	0.000005	0.00021 mg/L	0.000005	2.55%
Be 313.042†	5.9	0.00009 mg/L	0.000060	0.00009 mg/L	0.000060	68.34%
Be 313.107†	5.9	0.00009 mg/L	0.000060	0.00009 mg/L	0.000060	68.34%
Ca 315.887†	71.2	0.02390 mg/L	0.005439	0.02390 mg/L	0.005439	22.76%
Ca 317.933†	-1.6	-0.00068 mg/L	0.005565	-0.00068 mg/L	0.005565	813.95%
Cd 214.440†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
Cd 226.502†	3.1	0.00008 mg/L	0.000059	0.00008 mg/L	0.000059	73.46%
Cd 228.802†	1.2	0.00053 mg/L	0.000345	0.00053 mg/L	0.000345	65.06%
Ce 413.380†	16.4	0.01051 mg/L	0.004280	0.01051 mg/L	0.004280	40.73%
Ce 413.764†	9.0	0.00538 mg/L	0.006078	0.00538 mg/L	0.006078	112.87%
Ce 418.660†	-5.4	-0.00171 mg/L	0.002900	-0.00171 mg/L	0.002900	169.10%
Co 228.616†	9.6	0.00026 mg/L	0.000369	0.00026 mg/L	0.000369	144.25%
Co 230.786†	0.7	0.00097 mg/L	0.001405	0.00097 mg/L	0.001405	145.23%
Co 238.892†	-0.8	-0.00091 mg/L	0.000773	-0.00091 mg/L	0.000773	85.12%
Cr 205.560†	-0.4	-0.00278 mg/L	0.005694	-0.00278 mg/L	0.005694	205.09%
Cr 267.716†	4.4	0.00016 mg/L	0.000005	0.00016 mg/L	0.000005	3.23%
Cr 283.563†	1.0	0.00028 mg/L	0.000354	0.00028 mg/L	0.000354	125.79%
Cu 224.700†	1.8	0.00446 mg/L	0.003242	0.00446 mg/L	0.003242	72.73%
Cu 324.752†	3.8	0.00050 mg/L	0.000174	0.00050 mg/L	0.000174	34.59%
Cu 327.393†	44.9	0.00067 mg/L	0.000206	0.00067 mg/L	0.000206	30.58%
Fe 238.204†	-2.3	-0.00105 mg/L	0.000338	-0.00105 mg/L	0.000338	32.13%
Fe 239.562†	-0.8	-0.00045 mg/L	0.000290	-0.00045 mg/L	0.000290	64.59%
Fe 259.939†	-3.4	-0.00080 mg/L	0.000699	-0.00080 mg/L	0.000699	87.15%
Fe 273.955†	0.5	0.00070 mg/L	0.002168	0.00070 mg/L	0.002168	307.83%
K 766.490†	-162.8	-0.3570 mg/L	0.02229	-0.3570 mg/L	0.02229	6.24%
Li 610.362†	78.5	0.01079 mg/L	0.004149	0.01079 mg/L	0.004149	38.47%
Li 670.784†	-105.4	-0.00199 mg/L	0.001163	-0.00199 mg/L	0.001163	58.53%
Mg 279.077†	-4.4	-0.00671 mg/L	0.002360	-0.00671 mg/L	0.002360	35.18%
Mg 280.271†	32.1	0.00032 mg/L	0.000275	0.00032 mg/L	0.000275	85.11%
Mg 285.213†	3.0	0.00088 mg/L	0.000173	0.00088 mg/L	0.000173	19.64%
Mn 257.610†	-1.1	-0.00006 mg/L	0.000024	-0.00006 mg/L	0.000024	38.09%
Mn 259.372†	6.7	0.00025 mg/L	0.000158	0.00025 mg/L	0.000158	62.06%
Mn 260.568†	-0.5	-0.00004 mg/L	0.000305	-0.00004 mg/L	0.000305	722.81%
Mo 202.031†	-0.1	-0.00070 mg/L	0.003108	-0.00070 mg/L	0.003108	443.16%
Mo 203.845†	-0.7	-0.00674 mg/L	0.015196	-0.00674 mg/L	0.015196	225.62%
Mo 204.597†	1.3	0.00018 mg/L	0.000539	0.00018 mg/L	0.000539	297.27%
Na 588.995†	235.1	0.04701 mg/L	0.008364	0.04701 mg/L	0.008364	17.79%
Na 589.592†	76.7	0.01460 mg/L	0.007551	0.01460 mg/L	0.007551	51.71%
Ni 221.648†	0.2	0.00151 mg/L	0.005071	0.00151 mg/L	0.005071	335.79%
Ni 231.604†	1.7	0.00012 mg/L	0.000358	0.00012 mg/L	0.000358	309.43%
Ni 232.003†	1.1	0.00333 mg/L	0.002498	0.00333 mg/L	0.002498	75.11%
Pb 217.000†	0.9	0.01836 mg/L	0.019738	0.01836 mg/L	0.019738	107.50%
Pb 220.353†	0.7	0.00026 mg/L	0.001185	0.00026 mg/L	0.001185	449.59%
Sb 206.836†	4.3	0.00197 mg/L	0.000656	0.00197 mg/L	0.000656	33.26%
Sb 217.582†	-0.0	-0.00128 mg/L	0.004557	-0.00128 mg/L	0.004557	357.30%
Se 196.026†	-1.1	-0.00127 mg/L	0.003825	-0.00127 mg/L	0.003825	300.54%
Se 203.985†	2.5	0.00444 mg/L	0.004744	0.00444 mg/L	0.004744	106.81%
Sn 189.927†	14.5	0.01070 mg/L	0.002366	0.01070 mg/L	0.002366	22.12%
Sn 235.485†	2.2	0.02030 mg/L	0.021877	0.02030 mg/L	0.021877	107.78%
Sr 407.771†	38.2	0.00017 mg/L	0.000091	0.00017 mg/L	0.000091	53.31%
Sr 421.552†	81.9	0.00033 mg/L	0.000054	0.00033 mg/L	0.000054	16.56%
Sr 460.733†	-80.3	-0.00742 mg/L	0.002035	-0.00742 mg/L	0.002035	27.42%
Ti 334.940†	8.0	0.00043 mg/L	0.000069	0.00043 mg/L	0.000069	16.15%
Ti 336.121†	25.5	0.00160 mg/L	0.000959	0.00160 mg/L	0.000959	59.96%
Ti 337.279†	4.1	0.00057 mg/L	0.000619	0.00057 mg/L	0.000619	107.85%
Tl 190.801†	2.9	0.00308 mg/L	0.000506	0.00308 mg/L	0.000506	16.46%
Tl 276.787†	7.9	0.00174 mg/L	0.003854	0.00174 mg/L	0.003854	221.66%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	-1.4	-0.00052 mg/L	0.001455	-0.00052 mg/L	0.001455	277.10%
V 309.310†	-4.1	-0.00077 mg/L	0.000259	-0.00077 mg/L	0.000259	33.89%
V 310.230†	-1498.9	-0.00862 mg/L	0.000363	-0.00862 mg/L	0.000363	4.22%
Zn 202.548†	2.5	0.00271 mg/L	0.003367	0.00271 mg/L	0.003367	124.08%
Zn 206.200†	1.6	0.00329 mg/L	0.001685	0.00329 mg/L	0.001685	51.17%
Zn 213.857†	6.2	0.00269 mg/L	0.000543	0.00269 mg/L	0.000543	20.21%

QC Failed. Continue with analysis.

Sequence No.: 59
Sample ID: Hi AQC
Analyst:

Autosampler Location: 4
Date Collected: 1/3/02 2:43:16 PM

Sample Wt:
Dilution:

Sample Prep Volume:
Data Type: Original

Mean Data: Hi AQC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	289700.8						5237.27	1.81%
Y 360.073	3810424.2						35508.35	0.93%
Ag 328.068†	-71.6	-0.00049	mg/L	0.000230	-0.00049	mg/L	0.000230	46.84%
Ag 338.289†	169.9	0.00187	mg/L	0.000103	0.00187	mg/L	0.000103	5.52%
Al 308.215†	56684.3	92.35	mg/L	0.397	92.35	mg/L	0.397	0.43%
QC value within limits for Al 308.215 Recovery = 92.35%								
Al 394.401†	76499.9	98.88	mg/L	0.385	98.88	mg/L	0.385	0.39%
Al 396.153†	318149.6	98.28	mg/L	0.362	98.28	mg/L	0.362	0.37%
As 188.979†	0.7	0.03641	mg/L	0.025191	0.03641	mg/L	0.025191	69.19%
As 193.696†	7.1	0.00941	mg/L	0.002804	0.00941	mg/L	0.002804	29.78%
As 197.197†	-0.8	-0.06484	mg/L	0.020180	-0.06484	mg/L	0.020180	31.12%
B 208.889†	-0.3	-0.00267	mg/L	0.026798	-0.00267	mg/L	0.026798	>999.9%
B 249.677†	1.1	0.00121	mg/L	0.002706	0.00121	mg/L	0.002706	223.29%
B 249.772†	297.1	0.1466	mg/L	0.00247	0.1466	mg/L	0.00247	1.68%
Ba 233.527†	1.2	0.00042	mg/L	0.000125	0.00042	mg/L	0.000125	29.99%
Ba 455.403†	18.3	0.00022	mg/L	0.000094	0.00022	mg/L	0.000094	43.51%
Ba 493.408†	176.3	0.00109	mg/L	0.000493	0.00109	mg/L	0.000493	45.39%
Be 234.861†	-91726.2	-0.2301	mg/L	0.00430	-0.2301	mg/L	0.00430	1.87%
Be 313.042†	13.7	0.00020	mg/L	0.000013	0.00020	mg/L	0.000013	6.37%
Be 313.107†	13.7	0.00020	mg/L	0.000013	0.00020	mg/L	0.000013	6.37%
Ca 315.887†	290500.8	97.50	mg/L	0.806	97.50	mg/L	0.806	0.83%
QC value within limits for Ca 315.887 Recovery = 97.50%								
Ca 317.933†	224108.2	95.55	mg/L	0.639	95.55	mg/L	0.639	0.67%
Cd 214.440†	0.0	0.00000	mg/L	0.000000	0.00000	mg/L	0.000000	0.00%
Cd 226.502†	70.8	0.00183	mg/L	0.000017	0.00183	mg/L	0.000017	0.93%
Cd 228.802†	0.3	0.00012	mg/L	0.000849	0.00012	mg/L	0.000849	688.98%
Ce 413.380†	42.1	0.02704	mg/L	0.012770	0.02704	mg/L	0.012770	47.22%
Ce 413.764†	3.9	0.00233	mg/L	0.003901	0.00233	mg/L	0.003901	167.40%
Ce 418.660†	8.7	0.00276	mg/L	0.004116	0.00276	mg/L	0.004116	149.20%
Co 228.616†	-61.2	-0.00163	mg/L	0.000361	-0.00163	mg/L	0.000361	22.19%
Co 230.786†	-1.2	-0.00177	mg/L	0.000697	-0.00177	mg/L	0.000697	39.34%
Co 238.892†	56.4	0.06110	mg/L	0.003958	0.06110	mg/L	0.003958	6.48%
Cr 205.560†	-1.8	-0.01191	mg/L	0.007713	-0.01191	mg/L	0.007713	64.76%
Cr 267.716†	-14.5	-0.00052	mg/L	0.000116	-0.00052	mg/L	0.000116	22.45%
Cr 283.563†	23.9	0.00701	mg/L	0.000689	0.00701	mg/L	0.000689	9.83%
Cu 224.700†	2.9	0.00689	mg/L	0.000505	0.00689	mg/L	0.000505	7.33%
Cu 324.752†	-3.9	-0.00051	mg/L	0.000797	-0.00051	mg/L	0.000797	155.19%
Cu 327.393†	4.4	0.00007	mg/L	0.000333	0.00007	mg/L	0.000333	505.80%
Fe 238.204†	190634.6	87.14	mg/L	0.630	87.14	mg/L	0.630	0.72%
Fe 239.562†	146344.3	87.46	mg/L	0.655	87.46	mg/L	0.655	0.75%
Fe 259.939†	379244.0	89.29	mg/L	0.438	89.29	mg/L	0.438	0.49%
Fe 273.955†	65402.3	98.54	mg/L	0.691	98.54	mg/L	0.691	0.70%
QC value within limits for Fe 273.955 Recovery = 98.54%								
K 766.490†	61306.7	134.4	mg/L	0.33	134.4	mg/L	0.33	0.25%
QC value greater than the upper limit for K 766.490 Recovery = 134.41%								
Li 610.362†	-105.9	-0.01454	mg/L	0.009041	-0.01454	mg/L	0.009041	62.16%
Li 670.784†	-179.7	-0.00339	mg/L	0.002033	-0.00339	mg/L	0.002033	60.00%
Mg 279.077†	36928.8	55.90	mg/L	1.233	55.90	mg/L	1.233	2.21%
QC value within limits for Mg 279.077 Recovery = 93.16%								
Mg 280.271†	5296181.3	53.21	mg/L	1.309	53.21	mg/L	1.309	2.46%
Mg 285.213†	176148.9	51.89	mg/L	0.248	51.89	mg/L	0.248	0.48%
Mn 257.610†	42.5	0.00250	mg/L	0.000388	0.00250	mg/L	0.000388	15.51%
Mn 259.372†	2872.2	0.00649	mg/L	0.001471	0.00649	mg/L	0.001471	22.65%
Mn 260.568†	11.3	0.00102	mg/L	0.000254	0.00102	mg/L	0.000254	25.04%
Mo 202.031†	-5.7	-0.03618	mg/L	0.018049	-0.03618	mg/L	0.018049	49.88%
Mo 203.845†	1.6	0.01598	mg/L	0.027015	0.01598	mg/L	0.027015	169.07%
Mo 204.597†	14.2	0.00198	mg/L	0.000533	0.00198	mg/L	0.000533	26.97%
Na 588.995†	473451.7	94.67	mg/L	0.244	94.67	mg/L	0.244	0.26%
Na 589.592†	503554.1	95.84	mg/L	0.306	95.84	mg/L	0.306	0.32%
QC value within limits for Na 589.592 Recovery = 95.84%								
Ni 221.648†	0.0	0.00015	mg/L	0.004427	0.00015	mg/L	0.004427	>999.9%
Ni 231.604†	21.3	0.00143	mg/L	0.000442	0.00143	mg/L	0.000442	30.81%
Ni 232.003†	3.4	0.01068	mg/L	0.001793	0.01068	mg/L	0.001793	16.78%

Pb 217.000†	-0.7	-0.01460 mg/L	0.020072	-0.01460 mg/L	0.020072	137.44%
Pb 220.353†	2.9	0.00109 mg/L	0.001272	0.00109 mg/L	0.001272	117.01%
Sb 206.836†	7.6	0.00346 mg/L	0.000884	0.00346 mg/L	0.000884	25.53%
Sb 217.582†	1.7	0.05039 mg/L	0.040096	0.05039 mg/L	0.040096	79.57%
Se 196.026†	4.9	0.00554 mg/L	0.003916	0.00554 mg/L	0.003916	70.72%
Se 203.985†	10.6	0.01870 mg/L	0.006051	0.01870 mg/L	0.006051	32.36%
Sn 189.927†	0.7	0.00052 mg/L	0.002724	0.00052 mg/L	0.002724	527.87%
Sn 235.485†	350.2	3.208 mg/L	0.4678	3.208 mg/L	0.4678	14.58%
Sr 407.771†	661.1	0.00295 mg/L	0.000116	0.00295 mg/L	0.000116	3.91%
Sr 421.552†	784.2	0.00314 mg/L	0.000262	0.00314 mg/L	0.000262	8.34%
Sr 460.733†	24.4	0.00225 mg/L	0.002341	0.00225 mg/L	0.002341	104.05%
Ti 334.940†	22.4	0.00120 mg/L	0.000053	0.00120 mg/L	0.000053	4.46%
Ti 336.121†	24.5	0.00154 mg/L	0.000758	0.00154 mg/L	0.000758	49.29%
Ti 337.279†	15.1	0.00210 mg/L	0.000438	0.00210 mg/L	0.000438	20.92%
Tl 190.801†	1.1	0.00116 mg/L	0.002501	0.00116 mg/L	0.002501	214.77%
Tl 276.787†	4802.0	1.060 mg/L	0.0154	1.060 mg/L	0.0154	1.45%
Tl 351.924†	0.0	0.00000 mg/L	0.000000	0.00000 mg/L	0.000000	0.00%
V 290.880†	53.2	0.02032 mg/L	0.002014	0.02032 mg/L	0.002014	9.91%
V 309.310†	-240.9	-0.04506 mg/L	0.003590	-0.04506 mg/L	0.003590	7.97%
V 310.230†	-934.6	-0.00537 mg/L	0.000317	-0.00537 mg/L	0.000317	5.89%
Zn 202.548†	9.2	0.00641 mg/L	0.002300	0.00641 mg/L	0.002300	35.90%
Zn 206.200†	-2.1	-0.00429 mg/L	0.001927	-0.00429 mg/L	0.001927	44.93%
Zn 213.857†	53.3	0.01442 mg/L	0.001583	0.01442 mg/L	0.001583	10.98%

QC Failed. Continue with analysis.